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| cs408B Computer science project |
| Software Test Plan for DOHN |
| Team I |
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| **Ver. 1.1** |

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| --- | --- |
| Sangyong Gil | 20050730 |
| Sojung Kim | 20071132 |
| Gangmin Park | 20071154 |
| Kyeonghwan Jin | 20071222 |
| Sunghyuk Im | 20071201 |

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| --- |
| This document is for the computer science project class B, Team 1. |

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1. INTRODUCTION

# 1.1 Purpose

This document presents the test plans for an automated account book system for KAIST students. This document contains full information about the test procedure that we have done.

The purpose of this document is following:

1. To describe the test procedures that has done

2. To certify that the system is work well

3. To understand main test mechanism

# 1.2 Scope

This document focuses primarily on the test plans for an automated account book system. It covers from unit test and validation test cases. Validation test cases are based on the usecase scenarios.

# 1.3. Overview

The remainder of this document will cover: unit test cases, validation test cases.

2. UNIT TEST CASES

|  |
| --- |
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Table : List of unit test cases

# 2.1 Mobile Package

## 2.1.1 show\_list\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| mobile.py | | MobileView | | Show\_list\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Gangmin Park | 2.0 | | Gangmin Park | | 10-5-17 |
| **Test Case Description** | | | | | |
| 1. Request for shortcuts list and get the list of shortcuts. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. in\_src(HTML text): m\_shortcut.html replaced by <td>”name of shortcut”<br>”amount”</td> | | | | | |
| **Actual Result** | | | | | |
| 1. Same as the expected result | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.1.2 show\_add\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| mobile.py | | MobileView | | show\_add\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Gangmin Park | 2.0 | | Gangmin Park | | 10-5-17 |
| **Test Case Description** | | | | | |
| 1. Request for show shortcut transaction add window. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Description: name of the shortcut | | | | | |
| **Expected results** | | | | | |
| 1. src(HTML text): replaced by m\_shortcut2.html Category, description, amount, remaining count of transaction | | | | | |
| **Actual Result** | | | | | |
| 1. Same as the expected result | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.1.3 on\_click\_confirm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| mobile.py | | MobileController | | on\_click\_confirm | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Gangmin Park | 2.0 | | Gangmin Park | | 10-5-17 |
| **Test Case Description** | | | | | |
| 1. Request for add the shortcut transaction to the database. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, description: name of shortcut | | | | | |
| **Expected results** | | | | | |
| 1. HTML Text | | | | | |
| **Actual Result** | | | | | |
| 1. Same as the expected result | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

# 2.2 Reports Package

## 2.2.1 get\_transaction\_period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| reports.py | | ReportController | | get\_transaction\_period | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Request for monthly date of transactions and get the list of monthly period | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. 2010-4, 2010-5 | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| The expected result is dependent on data of database | | | | | |

## 2.2.2 process\_periodical

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| reports.py | | ReportController | | process\_periodical | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Request for data of periodical graph in 2010/05 2. Request for data of periodical graph between 2010/04 and 2010/05 3. Request for data of periodical graph between 2010/05 and 2010/04 4. Request for data of periodical graph between 2010/04 and 2010/05, but by inappropriate format | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, period1: 2010-5, period2: 2010-5 2. Request object, period1: 2010-4, period2: 2010-5 3. Request object, period1: 2010-5, period2: 2010-4 4. Request object, period1: 20104, period2: 20105 | | | | | |
| **Expected results** | | | | | |
| 1. In\_src(Javascript text): year1: 2010, month1: 5, income: 500000, expense: 360390 2. In\_src(Javascript text): year1: 2010, month1: 4, income: 500000, expense: 300000 year1: 2010, month1: 5, income: 500000, expense: 360390 3. In\_src(Javascript text): year1: 2010, month1: 4, income: 500000, expense: 300000 year1: 2010, month1: 5, income: 500000, expense: 360390 4. “Inappropriate date format” | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown 3. The expected result is shown 4. Out of range exception is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| Period1 and period2 are input by only given format, but for safety, the format should be checked. | | | | | |

## 2.2.3 process\_categorical

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| reports.py | | ReportController | | process\_categorical | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sunghyuk Im | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for data of categorical graph in 2010/05 2. Request for data of categorical graph between 2010/04 and 2010/05 3. Request for data of categorical graph between 2010/05 and 2010/04 4. Request for data of categorical graph between 2010/04 and 2010/05, but by inappropriate format | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, period1: 2010-5, period2: 2010-5 2. Request object, period1: 2010-4, period2: 2010-5 3. Request object, period1: 2010-5, period2: 2010-4 4. Request object, period1: 20104, period2: 20105 | | | | | |
| **Expected results** | | | | | |
| 1. graphHTML(text), incomeHTML(text), expenseHTML(text) 2. graphHTML(text), incomeHTML(text), expenseHTML(text) 3. graphHTML(text), incomeHTML(text), expenseHTML(text) 4. “Inappropriate date format” | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown 3. The expected result is shown 4. Out of range exception is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| Period1 and period2 are input by only given format, but for safety, the format should be checked. | | | | | |

# 2.3 Sessions Package

## 2.3.1 \_\_get\_session\_id\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| sessions.py | |  | | \_\_get\_session\_id\_\_ | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sangyong Gil | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for currently signed-in user’s ID while the user is signed in 2. Request for currently signed-in user’s ID while the user is not signed in | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object: containing session id 2. Request object: not containing session id | | | | | |
| **Expected results** | | | | | |
| 1. ‘test’ 2. False | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| Making request object is impossible, so test is done by calling the function through web page | | | | | |

## 2.3.2 \_\_set\_session\_id\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| sessions.py | |  | | \_\_set\_session\_id\_\_ | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sangyong Gil | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for creating a session with currently signed-in user’s ID, and set timeout with default 3600 seconds. 2. Request for creating a session with currently signed-in user’s ID, and set timeout with 60 seconds. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’ 2. Request object, user\_id=’test’, timeout=’60’ | | | | | |
| **Expected results** | | | | | |
| 1. True 2. True | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| Timeout is also set well, but it is tested through webpage to confirm deletion of the session. | | | | | |

## 2.3.3 \_\_erase\_session\_id\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| sessions.py | |  | | \_\_erase\_session\_id\_\_ | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sangyong Gil | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for deleting current session | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. True | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| Session is deleted; it is tested through webpage to confirm deletion of session. | | | | | |

## 2.3.4 sign\_in

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| sessions.py | |  | | sign\_in | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sangyong Gil | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for \_\_set\_session\_id\_\_() with correct ID and password 2. Request for \_\_set\_session\_id\_\_() with incorrect password 3. Request for \_\_set\_session\_id\_\_() with inexistent ID | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’, pw=’1111’ 2. Request object, user\_id=’test’, pw=’1234’ 3. Request object, user\_id=’틀림’, pw=’2222’ | | | | | |
| **Expected results** | | | | | |
| 1. True 2. False 3. Flase | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown 3. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

# 2.4 Shortcut Package

## 2.4.1 \_\_reassemble\_items\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | none | | \_\_reassemble\_items\_\_ | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for reassembled source file with correct data 2. Request for reassembled source file with incorrect category 3. Request for reassembled source file with incorrect amount 4. Request for reassembled source file with incorrect remain count 5. Request for reassembled source file with incorrect total count 6. Request for reassembled source file with incorrect num | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. data = [1, ‘test’, 1000.0, 10, 10, 1] 2. data = [-1, ‘test’, 1000.0, 10, 10, 1] 3. data = [1, ‘test’, ‘test’, 10, 10, 1] 4. data = [1, ‘test’, 1000.0, ‘test’, 10, 1] 5. data = [1, ‘test’, 1000.0, 10, ‘test’, 1] 6. data = [1, ‘test’, 1000.0, 10, ‘test’, -1] | | | | | |
| **Expected results** | | | | | |
| 1. Returns Reassembled Source Code with Input Data 2. Returns False 3. Returns False 4. Returns False 5. Returns False 6. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected 4. same as expected 5. same as expected 6. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.2 show\_list\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutView | | show\_list\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for shortcut list source file with correct ID and password 2. Request for shortcut list source file with incorrect password 3. Request for shortcut list source file with inexistent ID | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’, pw=’1111’ 2. Request object, user\_id=’test’, pw=’1234’ 3. Request object, user\_id=’틀림’, pw=’2222’ | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML test: list of all shortcut from the user 2. Returns False 3. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.3 show\_add\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutView | | show\_add\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for shortcut add source file with correct ID and password 2. Request for shortcut add source file with incorrect password 3. Request for shortcut add source file with inexistent ID | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’, pw=’1111’ 2. Request object, user\_id=’test’, pw=’1234’ 3. Request object, user\_id=’틀림’, pw=’2222’ | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML test: dropbox of categories 2. Returns False 3. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.4 show\_edit\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutView | | show\_edit\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for shortcut edit source file with correct ID, password and num 2. Request for shortcut edit source file with incorrect password 3. Request for shortcut edit source file with inexistent ID 4. Request for shortcut edit source file with incorrect num | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’, pw=’1111’, num=1 2. Request object, user\_id=’test’, pw=’1234’, num=1 3. Request object, user\_id=’틀림’, pw=’2222’, num=1 4. Request object, user\_id=’test’, pw=’1111’, num=-1 | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML text: dropbox of categories and data of the shortcut 2. Returns False 3. Returns False 4. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected 4. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.5 query\_add\_shortcut

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutController | | query\_add\_shortcut | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for query of shortcut addition with correct description, amount, category, remain count and total count. 2. Request for query of shortcut addition with incorrect amount 3. Request for query of shortcut addition with incorrect category 4. Request for query of shortcut addition with incorrect remain count 5. Request for query of shortcut addition with incorrect total count | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. description=”test”, amount=1, category=1, plan\_remain=1, plan\_total=1 2. description=”test”, amount=’test’, category=1, plan\_remain=1, plan\_total=1 3. description=”test”, amount=1, category=’test’, plan\_remain=1, plan\_total=1 4. description=”test”, amount=1, category=1, plan\_remain=’test’, plan\_total=1 5. description=”test”, amount=1, category=1, plan\_remain=1, plan\_total=’test’ | | | | | |
| **Expected results** | | | | | |
| 1. Returns True with inserted shortcut data on database 2. Returns False 3. Returns False 4. Returns False 5. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected 4. same as expected 5. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.6 query\_edit\_shortcut

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutController | | query\_edit\_shortcut | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for query of shortcut addition with correct num, description, amount, category, remain count and total count. 2. Request for query of shortcut addition with incorrect num 3. Request for query of shortcut addition with incorrect amount 4. Request for query of shortcut addition with incorrect category 5. Request for query of shortcut addition with incorrect remain count 6. Request for query of shortcut addition with incorrect total count | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. num=1, description=”test”, amount=1, category=1, plan\_remain=1, plan\_total=1 2. num=’test’, description=”test”, amount=1, category=1, plan\_remain=1, plan\_total=1 3. num=1, description=”test”, amount=’test’, category=1, plan\_remain=1, plan\_total=1 4. num=1, description=”test”, amount=1, category=’test’, plan\_remain=1, plan\_total=1 5. num=1, description=”test”, amount=1, category=1, plan\_remain=’test’, plan\_total=1 6. num=1, description=”test”, amount=1, category=1, plan\_remain=1, plan\_total=’test’ | | | | | |
| **Expected results** | | | | | |
| 1. Returns True with revised shortcut data on database 2. Returns False 3. Returns False 4. Returns False 5. Returns False 6. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected 3. same as expected 4. same as expected 5. same as expected 6. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.4.7 query\_delete\_shortcut

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| shortcuts.py | | ShortcutController | | query\_delete\_shortcut | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sangyong Gil | | 10-5-15 |
| **Test Case Description** | | | | | |
| 1. Request for query of shortcut addition with correct num 2. Request for query of shortcut addition with incorrect num | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. num=1 2. num=-1 | | | | | |
| **Expected results** | | | | | |
| 1. Returns True and database doesn’t contain the deleted shortcut data 2. Returns False | | | | | |
| **Actual Result** | | | | | |
| 1. same as expected 2. same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

# 2.5 Transactions Package

## 2.5.1 \_\_reassemble\_items\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | none | | \_\_reassemble\_items\_\_ | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. data: Fetched transaction list from DB, start=0, end=0, keyword=”” 2. data: Fetched transaction list from DB, start=”2010-05-01”, end=”2010-05-10”, keyword=”” 3. data: Fetched transaction list from DB, start=”2010-05-10”, end=”2010-05-01”, keyword=”” 4. data: Fetched transaction list from DB, start=”Computer”, end=”Science”, keyword=”” 5. data: Fetched transaction list from DB, start=”2020-05-01”, end=”2020-05-10”, keyword=”” 6. data: Fetched transaction list from DB, start=0, end=0, keyword=”Meal” | | | | | |
| **Expected results** | | | | | |
| 1. Table HTML code with all transactions. 2. Table HTML code with transaction list written between 2010-05-01 and 2010-05-10. 3. Table HTML code with no transaction list, just empty table. 4. Table HTML code with unexpected chosen transactions. 5. Table HTML code with no transaction list, just empty table. 6. Table HTML code with transaction list which has “Meal” in category or description. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. 3. Same as expected. 4. Same as expected. 5. Same as expected. 6. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. One of input argument, data is form of tuple. 2. The reason why 4 is unexpected, this function does string comparison. 3. The reason why input specifications don’t have a case that both ‘start’ and ‘end’ have a value and also ‘keyword’ also has a value is it doesn’t have a meaning in our system. In transaction list page, ‘start’ and ‘end’ are passed by a button and ‘keyword’ is passed by another button. So they are not passed simultaneously. | | | | | |

## 2.5.2 show\_index\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_index\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input an argument and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML code of transaction index page. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| Request object is handled and passed by mod\_python when an action from web to invoke python file. I will not explain request object any more. | | | | | |

## 2.5.3 show\_list\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_list\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. data: Fetched transaction list from DB, start=0, end=0, keyword=”” 2. data: Fetched transaction list from DB, start=”2010-05-01”, end=”2010-05-10”, keyword=”” 3. data: Fetched transaction list from DB, start=”2010-05-10”, end=”2010-05-01”, keyword=”” 4. data: Fetched transaction list from DB, start=”Computer”, end=”Science”, keyword=”” 5. data: Fetched transaction list from DB, start=”2020-05-01”, end=”2020-05-10”, keyword=”” 6. data: Fetched transaction list from DB, start=0, end=0, keyword=”Meal” | | | | | |
| **Expected results** | | | | | |
| 1. Table HTML code with all transactions. 2. Table HTML code with transaction list written between 2010-05-01 and 2010-05-10. 3. Table HTML code with no transaction list, just empty table. 4. Table HTML code with unexpected chosen transactions. 5. Table HTML code with no transaction list, just empty table. 6. Table HTML code with transaction list which has “Meal” in category or description. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. 3. Same as expected. 4. Same as expected. 5. Same as expected. 6. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.5.4 show\_add\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_add\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Request object. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML code of transaction add page. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.5.5 show\_edit\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_edit\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, num: a number which represents it is made by this user. 2. Request object, num: a number which represents it isn’t made by this user. | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML code of transaction edit page. 2. Returns HTML code of “No permission to edit”. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.5.6 show\_import\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_import\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML code of file import page. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.5.7 show\_suggest\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionView | | show\_suggest\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, temp\_name: “anystring” | | | | | |
| **Expected results** | | | | | |
| 1. Returns HTML code of suggest page. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. ‘temp\_name’ means the name of temporary file. | | | | | |

## 2.5.8 query\_add\_transaction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | query\_add\_transaction | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, date:”2010-05-21”, description:”Haksik”, amount:”3000”, category=”1” 2. Request object, date:”2010-05-21”, description:” Haksik”, amount:”3000”, category=”Meal” 3. Request object, date:”1234”, description:” Haksik”, amount:”3000”, category=”1” 4. Request object, date:””, description:” Haksik”, amount:”3000”, category=”1” 5. Request object, date:”2010-05-21”, description:” Haksik”, amount:”asdf”, category=”1” 6. Request object, date:”2010-05-21”, description:” Haksik”, amount:”3000”, category=”asdf” 7. Request object, date:”2010-05-21”, description:”Haksik”, amount:”3000”, category: a number which represents not user’s category | | | | | |
| **Expected results** | | | | | |
| 1. Added record in DB and Returns True 2. Added record in DB and Returns True 3. MySQL error 4. MySQL error 5. MySQL error 6. MySQL error 7. HTML code with “No permission to edit” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. 3. Added record with date of “0000-00-00” and Returns True. 4. Added record with date of “0000-00-00” and Returns True. 5. Added record with amount of “0” and Returns True. 6. Added record with category of “0” and Returns True. 7. Added record with category of a number which input. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. Case 3, 4, 5 cannot be happened because date is checked before passing into this method by JavaScript. 2. Case 6 also cannot be happened because category is passed by number in HTML. 3. Case 7 also cannot be happened because only user’s categories are shown in the edit window. | | | | | |

## 2.5.9 query\_edit\_transaction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | query\_edit\_transaction | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, num: a number which represents user’s transaction, date:”2010-05-21”, description=”Movie”, amount:”-8000”, category:”10” 2. Request object, num: a number which represents not user’s transaction, date:”2010-05-21”, , description=”Movie”, amount:”-8000”, category:”10” 3. Request object, num: a number which represents user’s transaction, date:””, description=”Movie”, amount:”-8000”, category:”10” 4. Request object, num: a number which represents user’s transaction, date:”2010-05-21”, description=””, amount:”-8000”, category:”10” 5. Request object, num: a number which represents user’s transaction, date:”2010-05-21”, description=”Movie”, amount:””, category:”10” 6. Request object, num: a number which represents user’s transaction, date:”2010-05-21”, description=”Movie”, amount:”-8000”, category: a number which represents not user’s category. | | | | | |
| **Expected results** | | | | | |
| 1. Updated record in DB and Returns True. 2. Returns True. 3. MySQL error 4. Updated record in DB and Returns True. 5. Updated record with amount of “0” and Returns True. 6. HTML code with “No permission to edit” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. 3. Updated record with date of “0000-00-00” and Returns True. 4. Same as expected. 5. Same as expected. 6. Updated record in DB and Returns True. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. Case 2 cannot be happened because whether authorized user or not is checked in show\_edit\_window() which is called before query\_edit\_transaction(). Although Case 2 is happened(it can be happened only when user control post message in low level), there is nothing to be happened because query has the condition of both user\_id and num. 2. Case 4 is happened like above, but I feel that we should add null constraint for that column and check it is null or not before. 3. Case 6 should be handled. I will modify that part to work properly. | | | | | |

## 2.5.10 query\_delete\_transaction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | query\_delete\_transaction | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input valid arguments and check if it returns correct value | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, num: a number which represents user’s transaction 2. Request object, num: a number which represents user’s transaction | | | | | |
| **Expected results** | | | | | |
| 1. Updated record in DB(deleted = 1) and Returns True. 2. Return HTML code with “no permission to delete”. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. The case that num is null or None cannot be happened because HTML page which sends post message always has a value of num. | | | | | |

## 2.5.11 process\_import

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | process\_import | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, file\_path: temporary file path(valid excel file) 2. Request object, file\_path: temporary file path(invalid excel file) | | | | | |
| **Expected results** | | | | | |
| 1. Return HTML source of suggest page. 2. Return HTML source of error message. | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. file\_path is come from dohn.py/do\_import\_file, it means path of temporary file. It is always passed to this method. | | | | | |

## 2.5.12 process\_file

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | process\_file | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. file\_path: temporary file path(real woori-bank transactin list file) 2. file\_path: temporary file path(not proper bank transaction file) | | | | | |
| **Expected results** | | | | | |
| 1. Return date, desc, amnt 2. Return [], [], [] | | | | | |
| **Actual Result** | | | | | |
| 1. Return HTML source of error page 2. Same as expected. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. Now our system only supports woori-bank transaction file, however, we will upgrade our system to support other bank’s | | | | | |

## 2.5.13 process\_suggestion

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| transactions.py | | TransactionController | | process\_suggestion | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sunghyuk Im | | 10-5-21 |
| **Test Case Description** | | | | | |
| 1. Input arguments and check what it returns. | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object,  file\_date: list which represents list of date from input file,  file\_desc\_arg: list which represents list of description from input file,  file\_amnt: list which represents list of amount from input file. 2. Request object,  file\_date: []  file\_desc\_arg: []  file\_amnt: [] 3. (file\_date is only empty) Request object,  file\_date: [] file\_desc\_arg: list which represents list of description from input file,  file\_amnt: list which represents list of amount from input file. 4. (file\_desc\_arg is only empty) Request object,  file\_date: list which represents list of date from input file,  file\_desc\_arg: [] file\_amnt: list which represents list of amount from input file. 5. (file\_amnt is only empty) Request object,  file\_date: list which represents list of date from input file,  file\_desc\_arg: list which represents list of description from input file,  file\_amnt: [] 6. (With environment of transaction list is empty which means new user) Request object,  file\_date: list which represents list of date from input file,  file\_desc\_arg: list which represents list of description from input file,  file\_amnt: list which represents list of amount from input file. | | | | | |
| **Expected results** | | | | | |
| 1. Return result. 2. Return empty result. 3. Return empty result. 4. Return empty result. 5. Return empty result. 6. Error or exception | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected. 2. Same as expected. 3. Same as expected. 4. Same as expected. 5. Same as expected. 6. Return result with all suggestions are ‘Add’ which means there is no matched or possible matched transaction. | | | | | |
| **Actions Taken or Comment** | | | | | |
| 1. In this function, return value, ‘result’ means processed suggestion value. 2. Case 6 was tested because there was an error before. I handled this error by modifying code so now it doesn’t cause error or exception. | | | | | |

# 2.6 Users Package

## 2.6.1 show\_category\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageView | | show\_category\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sunghyuk Im | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for the category list page | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. HTML text: <td>communication</td><td>savings</td><td>beauty></td>… | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| The result depends on data of database | | | | | |

## 2.6.2 show\_pattern\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageView | | show\_pattern\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sunghyuk Im | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for the pattern list page | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object | | | | | |
| **Expected results** | | | | | |
| 1. HTML text: <div id=”category\_name”>Meal</div>…<td>Dinner</td>…<td>Lunch</td> | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
| The result depends on database | | | | | |

## 2.6.3 query\_delete\_userinfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageController | | query\_delete\_userinfo | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sunghyuk Im | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for deleting user information with correct user password 2. Request for deleting user information with incorrect user password | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, pw=’1111’ 2. Request object, pw=’1234’ | | | | | |
| **Expected results** | | | | | |
| 1. The result of sign\_out() 2. Javascript text: alert(‘password incorrect’); | | | | | |
| **Actual Result** | | | | | |
| 1. The expected result is shown 2. The expected result is shown | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.4 query\_add\_category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageController | | query\_add\_category | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sojung Kim | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for adding category ‘TEST’ 2. Request for adding category ‘Meal’ which is already existing | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, category=’TEST’ 2. Request object, category=’Meal’ | | | | | |
| **Expected results** | | | | | |
| 1. Return (The category is stored) 2. “The category is already existing” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected result 2. The category is stored repeatedly. (Duplicated) | | | | | |
| **Actions Taken or Comment** | | | | | |
| The existence of category should be checked | | | | | |

## 2.6.5 query\_delete\_category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageController | | query\_delete\_category | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Sunghyuk Im | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for deleting category of the user’s own, and the given category is deleted 2. Request for deleting category of another user’s, and the error message is shown | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, num=’2’ 2. Request object, num=’20’ | | | | | |
| **Expected results** | | | | | |
| 1. True 2. “You don’t have permission to edit this transaction” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected result 2. Same as expected result | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.6 query\_add\_pattern

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageController | | query\_add\_pattern | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Kyeonghwan Jin | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for adding pattern corresponding to a user’s category 2. Request for adding pattern corresponding to another user’s category 3. Request for adding pattern corresponding to inexistent category | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, category=’1’, description\_name=’BuggerKing’ 2. Request object, category=’20’, description\_name=’BuggerKing’ 3. Request object, category=’100’, description\_name=’Bar’ | | | | | |
| **Expected results** | | | | | |
| 1. Return (The pattern is stored) 2. “You don’t have permission to add this pattern into given category” 3. “The category is not existing” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Return (The pattern is stored) 3. Return (The pattern is stored) | | | | | |
| **Actions Taken or Comment** | | | | | |
| To prevent user’s cheating/cracking, it should be checked  3rd test result is not malicious because it doesn’t harm the system. Also, category number is always given by web page. However, for an odd user, it should be checked. | | | | | |

## 2.6.7 query\_delete\_pattern

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | MypageController | | query\_delete\_pattern | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Kyeonghwan Jin | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for deleting pattern which belongs to the user 2. Request for deleting pattern which belongs to another user | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, pattern=’10’ 2. Request object, pattern=’27’ | | | | | |
| **Expected results** | | | | | |
| 1. True (The pattern is deleted) 2. “You don’t have permission to delete this pattern” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. True (The pattern is deleted) | | | | | |
| **Actions Taken or Comment** | | | | | |
| It should be checked to prevent user’s cracking | | | | | |

## 2.6.8 show\_id\_check\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | SignupView | | show\_id\_check\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sojung Kim | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for ID-check page with inexistent ID 2. Request for ID-check page with existing ID | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, id=’qwer’ 2. Request object, id=’test’ | | | | | |
| **Expected results** | | | | | |
| 1. HTML text: id\_check.html 2. HTML text: id\_check\_fail.html | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.9 query\_add\_userinfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | SignupController | | query\_add\_userinfo | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sunghyuk Im | 2.0 | | Sangyong Gil | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for adding user account with inexistent ID 2. Request for adding user account with existing ID 3. Request for adding user account with different passwords 4. Request for adding user account with invalid e-mail format | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Req object, user\_id=’qwer’, email=’test@test.com’, pw1=’1234’,pw2=’1234’ 2. Req object, user\_id=’test’, email=’test@test.com’, pw1=’1234’,pw2=’1234’ 3. Req object, user\_id=’qwer’, email=’test@test.com’, pw1=’1234’,pw2=’1333’ 4. Req object, user\_id=’qwer’, email=’testcom’, pw1=’1234’,pw2=’1234’ | | | | | |
| **Expected results** | | | | | |
| 1. True 2. False 3. “Password incorrect” 4. “E-mail format is invalid” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected 3. True 4. True | | | | | |
| **Actions Taken or Comment** | | | | | |
| 3rd and 4th results were prevented by javascript. | | | | | |

## 2.6.10 query\_edit\_userinfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | SignupController | | query\_edit\_userinfo | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Kyeonghwan Jin | 2.0 | | Gangmin Park | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for editing user account with correct information 2. Request for editing user account with invalid e-mail format | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, email=’test@test.co.kr’, pw=’1234’ 2. Request object, email=’testcokr’, pw=’1234’ | | | | | |
| **Expected results** | | | | | |
| 1. True 2. “E-mail format is invalid” | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. True | | | | | |
| **Actions Taken or Comment** | | | | | |
| Invalid e-mail format is prohibited by javascript | | | | | |

## 2.6.11 check\_id

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | SignupController | | check\_id | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Gangmin Park | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for check whether ID is available while the ID already exist 2. Request for check whether ID is available while the ID doesn’t exist | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user\_id=’test’ 2. Request object, user\_id=’asdf’ | | | | | |
| **Expected results** | | | | | |
| 1. False 2. True | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.12 show\_manage\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | AdminView | | show\_manage\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sojung Kim | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for user management page while the user is an administrator 2. Request for user management page while the user is not an administrator | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object: user is administrator 2. Request object: user is not an administrator | | | | | |
| **Expected results** | | | | | |
| 1. HTML text: <td>qwer</td><td>test@test.co.kr</td><td>2010-05-20 18:21:43 GMT</td> 2. HTML text: main.html | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.13 show\_user\_delete\_window

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | AdminView | | show\_user\_delete\_window | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sojung Kim | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for confirmation of deleting user while current user is an administrator 2. Request for confirmation of deleting user while current user is not an administrator | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user=’qwer’ 2. Request object, user=’qwer’ | | | | | |
| **Expected results** | | | | | |
| 1. Javascript text: alert(“Really want to delete the user account?”); 2. HTML text: main.html | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

## 2.6.14 query\_delete\_user

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Package** | | **Class** | | **Method** | |
| users.py | | AdminController | | query\_delete\_user | |
| **Author** | **Version** | | **Tester** | | **Date** |
| Sangyong Gil | 2.0 | | Sojung Kim | | 10-5-20 |
| **Test Case Description** | | | | | |
| 1. Request for deleting user while current user is an administrator 2. Request for deleting user while current user is not an administrator | | | | | |
| **Input/Output Specifications** | | | | | |
| 1. Request object, user=’qwer’ 2. Request object, user=’qwer’ | | | | | |
| **Expected results** | | | | | |
| 1. HTML text: return of show\_manage\_window() 2. HTML text: main.html | | | | | |
| **Actual Result** | | | | | |
| 1. Same as expected 2. Same as expected | | | | | |
| **Actions Taken or Comment** | | | | | |
|  | | | | | |

3. VALIDATION TEST

|  |
| --- |
| **3.1 Common Test Cases** 3.1.1 Sign-in3.1.2 Failure of Sign-in – Wrong Password3.1.3 Failure of Sign-in – User Does not Existed3.1.4 Sign-out3.1.5 Sign-up3.1.5 Failure of Sign-up – Lack of Information3.1.6 Failure of Sign-up – Password Confirmation3.1.7 Failure of Sign-up – Existed ID3.1.8 ID-Check3.1.9 User Account Information Modification3.1.10 Failure of User Account Information – Password Confirmation3.1.11 Failure of User Account Information – Lack of Password3.1.12 Admin Page3.1.13 Access Prohibit of Admin Page3.1.13 Delete an User Account **3.2 Account Book Test Cases** 3.2.1 Show Transaction List3.2.2 Add Transaction3.2.3 Failure of Adding Transaction3.2.4 Edit Transaction3.2.5 Failure of Editing Transaction3.2.6 Delete Transaction3.2.7 Import a File of Transaction List3.2.8 Failure of Importing a File of Transaction list3.2.9 Show Suggestion Category List of Imported Transaction List3.2.10 Show Suggestion Category List of Imported Transaction List3.2.11 Show Category List3.2.12 Add Category3.2.13 Failure of adding Category3.2.14 Delete Category3.2.15 Show Recognizing Pattern3.2.16 Add Recognizing Pattern3.2.17 Failure of adding Recognizing Pattern3.2.18 Delete Recognizing Pattern **3.3 Account Report Test Cases**  3.3.1 Show Periodical Report  3.3.2 Show Categorical Report  **3.4 Quick Book-keeping Test Cases** 3.2.1 Show Transaction List3.2.2 Add Transaction3.2.3 Failure of Adding Transaction3.2.4 Edit Transaction3.2.5 Failure of Editing Transaction3.2.6 Delete Transaction3.2.7 Import a File of Transaction List3.2.8 Failure of Importing a File of Transaction list3.2.9 Show Suggestion Category List of Imported Transaction List3.2.10 Show Suggestion Category List of Imported Transaction List3.2.11 Show Category List3.2.12 Add Category3.2.13 Failure of adding Category3.2.14 Delete Category3.2.15 Show Recognizing Pattern3.2.16 Add Recognizing Pattern3.2.17 Failure of adding Recognizing Pattern3.2.18 Delete Recognizing Pattern |

Table 2: List of validation test cases

# 3.1 Common Test Cases

## 3.1.1 Sign-in

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-001 | | | |
| **FR ID in SRS** | FR 1\_1 | | | |
| **Purpose** | Test the functionality of the sign-in process with correct ID and password. | | | |
| **Pre-Conditions** | A user account was already existed in DBMS.  Current location is sign-in page. | | | |
| **Inputs** | A User ID  Corresponding password | | | |
| **Expected-Outputs** | Corresponding session is created and keeps user information | | | |
| **Post-Conditions** | Transaction page of the user | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.2 Failure of Sign-in – Wrong Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-002 | | | |
| **FR ID in SRS** | FR 1\_2 | | | |
| **Purpose** | Test the failure of the sign-in process due to wrong password. | | | |
| **Pre-Conditions** | A user account was already existed in DBMS.  Current location is sign-in page. | | | |
| **Inputs** | A User ID  Wrong password  Nothing | | | |
| **Expected-Outputs** | Sign-in failure message is popped up. | | | |
| **Post-Conditions** | Session is not created  Sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/12 | | X | 1.0 | Gangmin Park |
| 09/05/14 | | O | 1.0 | Gangmin Park |

## 3.1.3 Failure of Sign-in – User Does not Existed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-003 | | | |
| **FR ID in SRS** | FR 1\_2 | | | |
| **Purpose** | Test the failure of the sign-in process due to non-existing ID | | | |
| **Pre-Conditions** | A user account was already existed in DBMS.  Current location is sign-in page. | | | |
| **Inputs** | A non-existing user ID  Wrong password | | | |
| **Expected-Outputs** | Sign-in failure message is popped up. | | | |
| **Post-Conditions** | Session is not created  Sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.4 Sign-out

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-004 | | | |
| **FR ID in SRS** | FR 1-6 | | | |
| **Purpose** | Test the functionality of the sign-out process. | | | |
| **Pre-Conditions** | A user has signed in the system | | | |
| **Inputs** | Request for sign-out | | | |
| **Expected-Outputs** | Corresponding session is deleted | | | |
| **Post-Conditions** | Sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.5 Sign-up

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-005 | | | |
| **FR ID in SRS** | FR 1-1 | | | |
| **Purpose** | Test the functionality of the sign-up process | | | |
| **Pre-Conditions** | Current location is sign-up page. | | | |
| **Inputs** | Validate information; ID, E-mail, Password | | | |
| **Expected-Outputs** | Sign-up success message is popped up. | | | |
| **Post-Conditions** | The user account is created  Sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.5 Failure of Sign-up – Lack of Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-006 | | | |
| **FR ID in SRS** | FR 1-1 | | | |
| **Purpose** | Test the failure of the sign-out process due to lack of information. | | | |
| **Pre-Conditions** | Current location is sign-up page. | | | |
| **Inputs** | Lack of information among ID, E-mail, password | | | |
| **Expected-Outputs** | Sign-up failure message is popped up. | | | |
| **Post-Conditions** | The user account is not created  Sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.6 Failure of Sign-up – Password Confirmation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-007 | | | |
| **FR ID in SRS** | FR 1-1 | | | |
| **Purpose** | Test the failure of the sign-up process due to failure of password confirm | | | |
| **Pre-Conditions** | Current location is sign-up page. | | | |
| **Inputs** | Validate information; ID, E-mail, password  Incorrect password confirmation | | | |
| **Expected-Outputs** | Password-confirm failure message is popped up. | | | |
| **Post-Conditions** | The user account is not created  Sign-up page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.1.7 Failure of Sign-up – Existed ID

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-008 | | | |
| **FR ID in SRS** | FR 1-1 | | | |
| **Purpose** | Test the failure of the sign-out process due to existence of ID | | | |
| **Pre-Conditions** | Current location is sign-up page. | | | |
| **Inputs** | Validate information; E-mail, password  ID that is already used by another user | | | |
| **Expected-Outputs** | “Unable to use the ID” message is popped up. | | | |
| **Post-Conditions** | The user account is not created  Sign-up page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.8 ID-Check

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-009 | | | |
| **FR ID in SRS** | FR 1-1 | | | |
| **Purpose** | Test the functionality of the ID-check process | | | |
| **Pre-Conditions** | Current location is either sign-up page or ID-check page. | | | |
| **Inputs** | ID | | | |
| **Expected-Outputs** | The result whether the ID is already existing or not | | | |
| **Post-Conditions** | ID-check page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/16 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.9 User Account Information Modification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-010 | | | |
| **FR ID in SRS** | FR 1-3-1 | | | |
| **Purpose** | Test the functionality of the user account information modification | | | |
| **Pre-Conditions** | A user has signed in the system  Current location is user information page | | | |
| **Inputs** | Validate information; E-mail, password | | | |
| **Expected-Outputs** | The user account information is changed | | | |
| **Post-Conditions** | Category edit page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/16 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.10 Failure of User Account Information – Password Confirmation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-011 | | | |
| **FR ID in SRS** | FR 1-3-1 | | | |
| **Purpose** | Test the failure of the user account information modification due to failure of password confirmation | | | |
| **Pre-Conditions** | A user has signed in the system  Current location is user information page | | | |
| **Inputs** | Validate information; E-mail, password  Incorrect password confirmation | | | |
| **Expected-Outputs** | Password confirmation failure message is popped up. | | | |
| **Post-Conditions** | The user account information is not changed  User information page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/16 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.11 Failure of User Account Information – Lack of Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-012 | | | |
| **FR ID in SRS** | FR 1-3-1 | | | |
| **Purpose** | Test the failure of the user account information modification due to too short password | | | |
| **Pre-Conditions** | A user has signed in the system  Current location is user information page | | | |
| **Inputs** | Validate information; E-mail  Too short password | | | |
| **Expected-Outputs** | “Too short password” message is popped up. | | | |
| **Post-Conditions** | The user account information is not changed  User information page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.12 Admin Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-013 | | | |
| **FR ID in SRS** | FR 1-4 | | | |
| **Purpose** | Test the functionality of the showing admin page | | | |
| **Pre-Conditions** | An administrator has already signed in | | | |
| **Inputs** | Request for admin page | | | |
| **Expected-Outputs** | The list of user accounts | | | |
| **Post-Conditions** | Admin page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/16 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

## 3.1.13 Access Prohibit of Admin Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-014 | | | |
| **FR ID in SRS** | FR 1-4 | | | |
| **Purpose** | Test the prohibit of showing admin page to non-administrator | | | |
| **Pre-Conditions** | A non-administrator user has already signed in | | | |
| **Inputs** | Request for admin page | | | |
| **Expected-Outputs** | “Not an administrator” message is popped up. | | | |
| **Post-Conditions** | Transaction page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/16 | | O | 1.0 | Sunghyuk Im |
|  | |  |  |  |

## 3.1.13 Delete an User Account

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-015 | | | |
| **FR ID in SRS** | FR 1-4 | | | |
| **Purpose** | Test the functionality of deleting an user account | | | |
| **Pre-Conditions** | An administrator has already signed in  Current location is admin page | | | |
| **Inputs** | Request for deleting an user account | | | |
| **Expected-Outputs** | The user account is deleted | | | |
| **Post-Conditions** | Admin page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/14 | | O | 1.0 | Sunghyuk Im |
|  | |  |  |  |

# 3.2 Account Book Test Cases

## 3.2.1 Show Transaction List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-016 | | | |
| **FR ID in SRS** | FR 2-1 | | | |
| **Purpose** | Test the functionality of printing transaction lists of the user | | | |
| **Pre-Conditions** | A user has signed in the system | | | |
| **Inputs** | Request for transaction lists | | | |
| **Expected-Outputs** | Transaction lists are displayed. | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sunghyuk Im |

## 3.2.2 Add Transaction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-017 | | | |
| **FR ID in SRS** | FR 2-2 | | | |
| **Purpose** | Test the functionality of adding the transaction | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the add button. | | | |
| **Inputs** | Date  Description of transaction  Amount  Category | | | |
| **Expected-Outputs** | Updated transaction lists are displayed. | | | |
| **Post-Conditions** | Transaction is saved to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sunghyuk Im |

## 3.2.3 Failure of Adding Transaction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-019 | | | |
| **FR ID in SRS** | FR 2-2 | | | |
| **Purpose** | Test the failure of adding the transaction | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the add button. | | | |
| **Inputs** | Date, description of transaction, amount, category  One or more of these inputs are missing. | | | |
| **Expected-Outputs** | “Adding Error” message is popped up | | | |
| **Post-Conditions** | Add transaction page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/06 | | X | 1.0 | Sunghyuk Im |
| 10/05/17 | | O | 1.0 | Sunghyuk Im |

## 3.2.4 Edit Transaction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-020 | | | |
| **FR ID in SRS** | FR 2-3-1 | | | |
| **Purpose** | Test the functionality of editing the transaction | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the edit button on the transaction. | | | |
| **Inputs** | Date, description of transaction, amount, category | | | |
| **Expected-Outputs** | Updated transaction lists are displayed. | | | |
| **Post-Conditions** | Transaction is updated to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sunghyuk Im |

## 3.2.5 Failure of Editing Transaction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-021 | | | |
| **FR ID in SRS** | FR 2-3-1 | | | |
| **Purpose** | Test the failure of editing the transaction | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the edit button on the transaction. | | | |
| **Inputs** | Date, description of transaction, amount, category  One or more of these inputs are missing. | | | |
| **Expected-Outputs** | “Editing Error” message is popped up | | | |
| **Post-Conditions** | Edit transaction page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |

## 3.2.6 Delete Transaction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-021 | | | |
| **FR ID in SRS** | FR 2-3-2 | | | |
| **Purpose** | Test the functionality of deleting the transaction | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the delete button on the transaction. | | | |
| **Inputs** | None | | | |
| **Expected-Outputs** | Updated transaction lists are displayed. | | | |
| **Post-Conditions** | Transaction is deleted to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |

## 3.2.7 Import a File of Transaction List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-022 | | | |
| **FR ID in SRS** | FR 2-4-1 | | | |
| **Purpose** | Test the functionality of importing the transaction list | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the import button on the transaction. | | | |
| **Inputs** | File which has .xls format from Woori or E-post bank | | | |
| **Expected-Outputs** | Suggested category list of imported transaction lists are shown. | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |

## 3.2.8 Failure of Importing a File of Transaction list

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-023 | | | |
| **FR ID in SRS** | FR 2-4-2 | | | |
| **Purpose** | Test the failure of importing the transaction list | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Transaction’ page and clicks the import button on the transaction. | | | |
| **Inputs** | File which has another format except .xls or not from Woori or E-post bank | | | |
| **Expected-Outputs** | “Error Importing” message is popped up | | | |
| **Post-Conditions** | File import page. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |

## 3.2.9 Show Suggestion Category List of Imported Transaction List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-024 | | | |
| **FR ID in SRS** | FR 2-4-2 | | | |
| **Purpose** | Test the functionality of suggesting category lists of imported transaction lists. | | | |
| **Pre-Conditions** | A user has signed in the system  A user imports appropriate transaction list file. | | | |
| **Inputs** | Imported transaction list file | | | |
| **Expected-Outputs** | Suggestion category lists of imported transaction lists. | | | |
| **Post-Conditions** | If user confirms the suggestion, then update the transactions list of imported transaction file. Redirect to transaction list page.  If user does not confirm the suggestion, then just redirect to transaction list page. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sangyong Gil |

## 3.2.10 Show Suggestion Category List of Imported Transaction List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-025 | | | |
| **FR ID in SRS** | FR 2-4-2 | | | |
| **Purpose** | Test the functionality of suggesting category lists of imported transaction lists. | | | |
| **Pre-Conditions** | A user has signed in the system  A user imports appropriate transaction list file. | | | |
| **Inputs** | Imported transaction list file | | | |
| **Expected-Outputs** | Suggestion category lists of imported transaction lists. | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |

## 3.2.11 Show Category List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-026 | | | |
| **FR ID in SRS** | FR 2-6 | | | |
| **Purpose** | Test the functionality of printing category list | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘My Page’ and clicks the ‘Category Edit’ button. | | | |
| **Inputs** | None | | | |
| **Expected-Outputs** | Category list | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Kyeonghwan Jin |

## 3.2.12 Add Category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-027 | | | |
| **FR ID in SRS** | FR 2-6-1 | | | |
| **Purpose** | Test the functionality of adding the category | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Category Edit’ page and clicks the add button. | | | |
| **Inputs** | Name of category | | | |
| **Expected-Outputs** | Updated category list is displayed. | | | |
| **Post-Conditions** | Category is saved to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/12 | | O | 1.0 | Kyeonghwan Jin |

## 3.2.13 Failure of adding Category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-028 | | | |
| **FR ID in SRS** | FR 2-6-1 | | | |
| **Purpose** | Test the failuire of adding the category | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Category Edit’ page and clicks the add button. | | | |
| **Inputs** | None | | | |
| **Expected-Outputs** | “Error Adding” message is popped up | | | |
| **Post-Conditions** | Category add page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/12 | | O | 1.0 | Kyeonghwan Jin |

## 3.2.14 Delete Category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-029 | | | |
| **FR ID in SRS** | FR 2-6-3 | | | |
| **Purpose** | Test the functionality of deleting the category | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Category Edit’ page and clicks the delete button. | | | |
| **Inputs** | Category which user wants to delete | | | |
| **Expected-Outputs** | Updated category list is displayed. | | | |
| **Post-Conditions** | Category is deleted to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/12 | | O | 1.0 | Kyeonghwan Jin |

## 3.2.15 Show Recognizing Pattern

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-030 | | | |
| **FR ID in SRS** | FR 2-8 | | | |
| **Purpose** | Test the functionality of printing the recognizing pattern | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘My Page’ and clicks the ‘Recognizing Pattern’ button. | | | |
| **Inputs** | None | | | |
| **Expected-Outputs** | Recognizing pattern lists are displayed | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/12 | | O | 1.0 | Kyeonghwan Jin |

## 3.2.16 Add Recognizing Pattern

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-031 | | | |
| **FR ID in SRS** | FR 2-7 | | | |
| **Purpose** | Test the functionality of adding the recognizing pattern | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Recognizing Pattern’ and clicks the ‘add’ button. | | | |
| **Inputs** | Name of recognizing pattern, description which user wants to classified, category which user wants to match the description. | | | |
| **Expected-Outputs** | Updated recognizing pattern lists are displayed | | | |
| **Post-Conditions** | Recognizing pattern is saved to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Date | Run by |
| 10/05/12 | | O | 10/05/06 | Kyeonghwan Jin |

## 3.2.17 Failure of adding Recognizing Pattern

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-032 | | | |
| **FR ID in SRS** | FR 2-7 | | | |
| **Purpose** | Test the functionality of adding the recognizing pattern | | | |
| **Pre-Conditions** | A user has signed in the system  A user is on the ‘Recognizing Pattern’ and clicks the ‘add’ button. | | | |
| **Inputs** | Name of recognizing pattern, description which user wants to classified, category which user wants to match the description.  One or more of these inputs are missing. | | | |
| **Expected-Outputs** | “Error Adding” message is popped up | | | |
| **Post-Conditions** | Recognizing pattern add page | | | |
| **Execution History** | | | | |
| Date | | Result | Date | Run by |
| 10/05/12 | | O | 10/05/06 | Kyeonghwan Jin |

## 3.2.18 Delete Recognizing Pattern

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-033 | | | |
| **FR ID in SRS** | FR 2-8 | | | |
| **Purpose** | Test the functionality of deleting the recognizing pattern | | | |
| **Pre-Conditions** | Sign-in status  A user is on the ‘Recognizing Pattern’ and clicks the ‘delete’ button. | | | |
| **Inputs** | Recognizing pattern which user wants to delete | | | |
| **Expected-Outputs** | Updated recognizing pattern lists are displayed | | | |
| **Post-Conditions** | Recognizing pattern is deleted to database. | | | |
| **Execution History** | | | | |
| Date | | Result | Date | Run by |
| 10/05/13 | | O | 10/05/06 | Kyeonghwan Jin |

# 3.3 Account Report Test Cases

## 3.3.1 Show Periodical Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-034 | | | |
| **FR ID in SRS** | FR 3-1 | | | |
| **Purpose** | Test the success of showing periodical report | | | |
| **Pre-Conditions** | A user is already signed in  Current location is periodical report page | | | |
| **Inputs** | Periods in month | | | |
| **Expected-Outputs** | Graph showing income and expenditure of given months | | | |
| **Post-Conditions** | Periodical report page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Kyeonghwan Jin |
|  | |  |  |  |

## 3.3.2 Show Categorical Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-035 | | | |
| **FR ID in SRS** | FR 3-2 | | | |
| **Purpose** | Test the success of showing categorical report | | | |
| **Pre-Conditions** | A user is already signed in  Current location is categorical report page | | | |
| **Inputs** | A month and year for the report (YYYY/MM) | | | |
| **Expected-Outputs** | Chart showing income and expenditure grouped by categories  Table showing income and expenditure grouped by categories | | | |
| **Post-Conditions** | Categorical report page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Kyeonghwan Jin |
|  | |  |  |  |

# 3.4 Quick Book-keeping Test Cases

## 3.4.1 Mobile Sign-In

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-036 | | | |
| **FR ID in SRS** | FR 1-2 | | | |
| **Purpose** | Test the success of the sign-in process with correct ID and password. | | | |
| **Pre-Conditions** | A user account was already existed in DBMS.  Current location is sign-in page. | | | |
| **Inputs** | A User ID  Corresponding password | | | |
| **Expected-Outputs** | Redirection to mobile main page with sign-out button on the top of it.  Sign-out button on top of every page. | | | |
| **Post-Conditions** | Session is created. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sangyong Gil |
|  | |  |  |  |

3.4.2 Failure of Sign-In – Wrong Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-037 | | | |
| **FR ID in SRS** | FR 1-2 | | | |
| **Purpose** | Test the failure of sign-in process | | | |
| **Pre-Conditions** | A user account is already registered, and the system has its information in database.  Current location is mobile sign-in page. | | | |
| **Inputs** | Wrong user ID or password. | | | |
| **Expected-Outputs** | Error message.  Session is not created  Mobile sign-in page | | | |
| **Post-Conditions** | None | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sangyong Gil |
|  | |  |  |  |

## 3.4.3 Failure of Sign-in – User Does not existed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-038 | | | |
| **FR ID in SRS** | FR 1-2 | | | |
| **Purpose** | Test the failure of the sign-in process due to non-existing ID | | | |
| **Pre-Conditions** | A user account was already existed in DBMS.  Current location is sign-in page. | | | |
| **Inputs** | A non-existing user ID | | | |
| **Expected-Outputs** | Sign-in failure message is popped up. | | | |
| **Post-Conditions** | Session is not created  Mobile sign-in page | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/13 | | O | 1.0 | Sangyong Gil |
|  | |  |  |  |

## 3.4.5 Mobile Sign-out

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-039 | | | |
| **FR ID in SRS** | FR 1-6 | | | |
| **Purpose** | Test the success of sign-out in mobile page | | | |
| **Pre-Conditions** | A user is already singed-in, and the session is created.  Current location is any mobile page. | | | |
| **Inputs** | Click sign-out button | | | |
| **Expected-Outputs** | Mobile sign-in page. | | | |
| **Post-Conditions** | Existing session is erased. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sangyong Gil |
|  | |  |  |  |

## 3.4.6 Shortcut Input

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-040 | | | |
| **FR ID in SRS** | FR 4-4 | | | |
| **Purpose** | Test the success of shortcut input. | | | |
| **Pre-Conditions** | A user has some shortcuts.  Current location is mobile shortcut page. | | | |
| **Inputs** | Click a shortcut | | | |
| **Expected-Outputs** | Redirection to confirm page which shows information of the shortcut.  Update of plan field in mobile shortcut page after input. | | | |
| **Post-Conditions** | Transaction is added with the shortcut information. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.4.7 Shortcut Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-041 | | | |
| **FR ID in SRS** | FR 4-4 | | | |
| **Purpose** | Test the functionality of printing shortcut page. | | | |
| **Pre-Conditions** | A user has some shortcuts.  Current location is shortcut page. | | | |
| **Inputs** | Clicks the page components | | | |
| **Expected-Outputs** | Shortcut page which contains proper information of shortcuts  Redirection to proper page or proper pop-up window. | | | |
| **Post-Conditions** |  | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.4.8 Add Shortcut

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-042 | | | |
| **FR ID in SRS** | FR 4-3-1 | | | |
| **Purpose** | Test the functionality of shortcut adding. | | | |
| **Pre-Conditions** | A window to add a shortcut is popped up. | | | |
| **Inputs** | Proper information on each field, and click on complete button. | | | |
| **Expected-Outputs** | Close pop-up window.  Redirection to shortcut page or update on shortcut page which contains a new shortcut | | | |
| **Post-Conditions** | New shortcut information is stored in the database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Gangmin Park |
|  | |  |  |  |

## 3.4.9 Edit Shortcut

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-043 | | | |
| **FR ID in SRS** | FR 4-3-3 | | | |
| **Purpose** | Test the functionality of editing shortcut | | | |
| **Pre-Conditions** | A window to edit a shortcut is popped up. | | | |
| **Inputs** | Proper information on each field, and click on complete button. | | | |
| **Expected-Outputs** | Close pop-up window.  Redirection to shortcut page or update on shortcut page which contains the revised shortcut | | | |
| **Post-Conditions** | Revised shortcut information is stored in the database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 09/05/10 | | X | 1.0 | Gangmin Park |
| 09/05/17 | | O | 1.0 | Gangmin Park |

## 3.4.10 Delete Shortcut

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | TC-044 | | | |
| **FR ID in SRS** | FR 4-3-2 | | | |
| **Purpose** | Test the shortcut deleting process | | | |
| **Pre-Conditions** | A user has some shortcuts. | | | |
| **Inputs** | Click on delete button | | | |
| **Expected-Outputs** | Update on shortcut page which contains the shortcuts except for the deleted shortcut. | | | |
| **Post-Conditions** | The shortcut information is deleted from the database. | | | |
| **Execution History** | | | | |
| Date | | Result | Version | Run by |
| 10/05/15 | | O | 1.0 | Sojung Kim |
|  | |  |  |  |

APPENDIX A: FIGURES AND TABLES INDEX

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