Test Protocol for Functional Testing:

Testing will be advanced and will perform the expected user actions based on the definitions. Actions will be performed before and after logged in. Log in users will be admin and user.

Pass criteria - expected behavior and no unusual error messages based on the definitions.

Fail criteria - unexpected behavior, crashes, hangs and error messages not within definitions.

| *Functional test - Before Logged in* | | | | |
| --- | --- | --- | --- | --- |
| Test Story | | Expected Result | | Pass/Fail |
| Got to Home Page | | Home page displayed | | Pass |
| Enter login details – admin as user and as password. | | No errors on display | | Pass |
| Uncheck the Auto | Uncheck successful | | Pass | |
| Click on Authenticate | Display logged in message | | Pass | |
| Go back to login page | Login page displayed | | Pass | |
| Log out and go to login page again |  | | Pass | |
| Click on Did you forget your password? | Password page displayed. | | Pass | |
| Enter administrator email and click on the reset password icon | Password email sent | | Pass | |
| Go to the Registration tab | Registration page displayed | | Pass | |
| Register as tester user    Register with [tester@123.com](mailto:tester@123.com) as email  Use password as hellokitty123  Confirm password as hellokity123  Click on the Register Icon | User Registered | | Fail | |

| *Functional test - After Logged in - Adding Branches* | | | |
| --- | --- | --- | --- |
| Test Story | | Expected Result | Pass/Fail |
| Got to Home Page | Home page displayed | | Pass |
| Enter login details – admin as user and as password. | No errors on display | | Pass |
| Uncheck the Auto | Uncheck successful | | Pass |
| Click on Authenticate | Display logged in message | | Pass |
| Go back to login page | Login page displayed | | Pass |
| Go to the Entities tab | Entities page is displayed | | Pass |
| Create the Following Entities with it’s ID: | Branch has been added | | Pass |
| Apple - A1234 | Branch has been added | | Pass |
| Banana - B1234 | Branch has been added | | Pass |
| Clementine - C1234 | Branch has been added | | Pass |
| Dates - D1234 | Branch has been added | | Pass |
| Elderberries - E1234 | Branch has been added | | Pass |
| Figss -F1234 | Branch has been added | | Pass |
| Grapes - G1234 | Branch has been added | | Pass |
| Hazelnut - H1234 | Branch has been added | | Pass |
| Ita Palm - I1234 | Branch has been added | | Pass |
| Jackfruit - J1234 | Branch has been added | | Pass |
| Kei Apple - K234 | Branch has been added | | Pass |
| Lemon - L1234 | Branch has been added | | Pass |
| Orange - O1234 | Branch has been added | | Pass |
| Pineapple - P1234 | Branch has been added | | Pass |
| Quince - Q1234 | Branch has been added | | Pass |
| Raspberry - R1234 | Branch has been added | | Pass |
| Strawberry - S1234 | Branch has been added | | Pass |
| Tomato - T1234 | Branch has been added | | Pass |
| Ugli Fruit - U1234 | Branch has been added | | Pass |
| Vanilla Beans - V1234 | Branch has been added | | Pass |
| Watermelon - W1234 | Branch has been added | | Pass |
| Xigua - X1234 | Branch has been added | | Pass |
| Yellow Passion - Y1234 | Branch has been added | | Pass |
| Zucchini - Z1234 | Branch has been added | | Pass |
| Choose Branch 5 and Click Delete | Branch 5 is Deleted | | Pass |
| Choose Branch 5 and Click View | Branch 6 is contents are displayed | | Pass |
| Edit and Change the name of the Dates branch to Dates2 and Dates two. | Name changed | | Pass |
| Change the code to C12345 | Name changed | | Pass |
| Search for the term Banana in Upper case. | Banana branch displayed | | Pass |
| Search for the term Banana in Lower case. | Banana branch displayed | | Pass |
| Search for the term Orange | Orange branch displayed | | Pass |
| Search for the term O1234 | Branches with the term displayed | | Pass |
| Search for the term L1234 | Branches with the term displayed | | Pass |
| Search for the term 24 | Branches with the term displayed | | Pass |
| Search for the term 1234 | Branches with the term displayed | | Pass |
| Search for the term B1234 | Branches with the term displayed | | Pass |
| Search for the term A1234 | Branches with the term displayed | | Pass |
| Create The Branch Apple with A1234 ID | Branch has been added | | Pass |
| Create the branch Banana with the ID B12345 | Branch has been added | | Pass |
| Search for the term B12345 | Branches with the term displayed | | Pass |
| Search for the term Banana | Branches with the term displayed | | Pass |
| Search for the term B123456 | No Branches Displayed | | Pass |
| Switch to Staff Page | Staff Page Displayed | | Pass |
| Switch to Entities Page | Entities Page displayed with the Added Branches | | Pass |
| Click on the ID 8 | Staff Member 8 is displayed | | Pass |
| Click on View | Staff Member 8 information is displayed | | Pass |
| Click on Delet | Staff Member 8 is Deleted | | Pass |
| Click on the Search Button | List is Displayed | | Pass |
| Click on the > icon to got to the next page | Next Branch page is Displayed | | Fail |
| Click on the < icon to got to the previous page | Previous Branch page is Displayed | | Fail |
| Click on the Entities Tab | Branches and Staff Appear | | Pass |
| Select Staff | Back to the Staff Page | | Pass |
| Go to all Account Tabs and then Log out | Back to the Home screen | | Pass |

| *Functional test - After Logged in - Adding Staff* | | |
| --- | --- | --- |
| Test Story | Expected Result | Pass/Fail |
| Got to Home Page | Home page displayed | Pass |
| Enter login details – admin as user and as password. | No errors on display | Pass |
| Uncheck the Auto | Uncheck successful | Pass |
| Click on Authenticate | Display logged in message | Pass |
| Go to the Entities tab and select Staff | Staff Page displayed | Pass |
| Add the Following Staff memebers with the following Branches selected: |  | Pass |
| Amy - Apple | Staff Member Created | Pass |
| Billy - Banana | Staff Member Created | Pass |
| Chris - Clementine | Staff Member Created | Pass |
| Dave - Dates | Staff Member Created | Pass |
| Evelin - Elderberries | Staff Member Created | Pass |
| Felicity- Figss | Staff Member Created | Pass |
| Gabriel - Lemon | Staff Member Created | Pass |
| label=Lemon | Staff Member Created | Pass |
| Hannah - Hazelnut | Staff Member Created | Pass |
| Ivan- Ita Palm | Staff Member Created | Pass |
| Johanna - Jackfruit | Staff Member Created | Pass |
| Kurt - Kei Apple | Staff Member Created | Pass |
| Lucy - Lemo | Staff Member Created | Pass |
| Martin - Apple | Staff Member Created | Pass |
| Nilly - Orange | Staff Member Created | Pass |
| Oscar - Orange | Staff Member Created | Pass |
| Petra - Pineapple | Staff Member Created | Pass |
| Quayle - Quince | Staff Member Created | Pass |
| Rihanna - Raspberry | Staff Member Created | Pass |
| Sam - Strawberry | Staff Member Created | Pass |
| Tanya - Tomato | Staff Member Created | Pass |
| Umberto - Ugli Fruit | Staff Member Created | Pass |
| Violet – Vanilla Beans | Staff Member Created | Pass |
| William - Watermelon | Staff Member Created | Pass |
| Xandra - Xigua | Staff Member Created | Pass |
| Yuhan -Yellow Passion | Staff Member Created | Pass |
| Zelda - Zucchini | Staff Member Created | Pass |
| Verify page selection arrows | Arrows are not yet active | Pass |
| Add more Staff members: |  | Pass |
| Amy - Apple | Staff Member Created | Pass |
| Billy - Banana | Staff Member Created | Pass |
| Chris - Clementine | Staff Member Created | Pass |
| Dave - Dates | Staff Member Created | Pass |
| Evelin - Elderberries | Staff Member Created | Pass |
| Felicity- Figss | Staff Member Created | Pass |
| Gabriel - Lemon | Staff Member Created | Pass |
| label=Lemon | Staff Member Created | Pass |
| Hannah - Hazelnut | Staff Member Created | Pass |
| Ivan- Ita Palm | Staff Member Created | Pass |
| Johanna - Jackfruit | Staff Member Created | Pass |
| Kurt - Kei Apple | Staff Member Created | Pass |
| Lucy - Lemo | Staff Member Created | Pass |
| Martin - Apple | Staff Member Created | Pass |
| Nilly - Orange | Staff Member Created | Pass |
| Oscar - Orange | Staff Member Created | Pass |
| Petra - Pineapple | Staff Member Created | Pass |
| Quayle - Quince | Staff Member Created | Pass |
| Rihanna - Raspberry | Staff Member Created | Pass |
| Sam - Strawberry | Staff Member Created | Pass |
| Tanya - Tomato | Staff Member Created | Pass |
| Umberto - Ugli Fruit | Staff Member Created | Pass |
| Violet – Vanilla Beans | Staff Member Created | Pass |
| William - Watermelon | Staff Member Created | Pass |
| Xandra - Xigua | Staff Member Created | Pass |
| Yuhan -Yellow Passion | Staff Member Created | Pass |
| Click the << Button | First staff members page displayed | Pass |
| Click the >> Button | Last staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Click the > Button | Next staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Select staff member 13 | Staff member 13 is displayed | Pass |
| Click Back | Staff Page is Displayed | Pass |
| Delete Member Number 5 | Confirmation Window displayed | Pass |
| Click Delete | Member 5 is Deleted | Pass |
| Select staff member 8 | Staff member 8 is displayed | Pass |
| Click Back | Staff Page is Displayed | Pass |
| Select Edit Icon for Member 7 | Edit view for Member 7 is displayed | Pass |
| Delete Name Field | Warning Appears – The field is requred | Pass |
| Type new name for Member - Gabriela | Item as Typed | Pass |
| Select new Branch - Lemon | Item as Selected | Pass |
| Click Save | Item has changed accordingly | Pass |
| Log out | Home Page dislpayed | Pass |
|  |  |  |

| *Functional test - After Logged in - Account* | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Test Story | | | Expected Result | | Pass/Fail | |
| Got to Home Page | | | Home page displayed | | Pass | |
| Enter login details – admin as user and as password. | | | No errors on display | | Pass | |
| Uncheck the Auto | | | Uncheck successful | | Pass | |
| Click on Authenticate | | | Display logged in message | | Pass | |
| Go to the Account tab and select Settings | | | Settings Page displayed | | Pass | |
| Change First name to - tester | | | | Displayed As typed | Pass | |
| Change Last name to - choice | | | | Displayed As typed | Pass | |
| Change email to - test@localhost | | | | Displayed As typed | Pass | |
| Click on the Save Button | | | | Changes Saved | Pass | |
| Go to the Account tab and select Password | | | Password change page is displayed | | Pass | |
| Type the password - abcdefghijkl | | | Complexity message appears | | Pass | |
| Confirm the password - abcdefghijklm | |  | | | | Pass |
| Click on the Save Button | | Error - The password and its confirmation do not match! | | | | Pass |
| Type the password - helpmeoutplease | As typed | | | | | Pass |
| Confirm the password - helpmeoutplease | As Typed | | | | | Pass |
| Click on the Save Button | Changes saved | | | | | Fail |
| Click on the Entities tab and select the Sessions tab | Session page is Displayed | | | | | Pass |
| Log Active sessions | Active sessions should be seen | | | | | Pass |

| *Functional test - Password Complexity* | | |
| --- | --- | --- |
| Test Story | Expected Result | Pass/Fail |
| Enter login details – admin as user and as password. | No errors on display | Pass |
| Uncheck the Auto | Uncheck successful | Pass |
| Click on Authenticate | Display logged in message | Pass |
| Got to Home Page | Home page displayed | Pass |
| Go to the Account tab and select Password | Password page is displayed | Pass |
| Type “abc” as password and confirmatoin | Error - Your password is required to be at least 5 characters. | Pass |
| Type “abcde” as password and confirmatoin | Password complexity level - 1 | Pass |
| Type “abcd1234” as password and confirmatoin | Password complexity level – 2 | \*Pass |
| Type “abcd!234” as password and confirmatoin | Password complexity level - 4 | Pass |
| Type “Abcd!234” as password and confirmatoin | Password complexity level - 5 | Pass |
| Log out |  | Pass \* no complexity 3 achieved |

User – Functionality

| *Functional test - After Logged in as user - Adding Branches* | | | |
| --- | --- | --- | --- |
| Test Story | | Expected Result | Pass/Fail |
| Got to Home Page | Home page displayed | | Pass |
| Enter login details – usre as user and as password. | No errors on display | | Pass |
| Uncheck the Auto | Uncheck successful | | Pass |
| Click on Authenticate | Display logged in message | | Pass |
| Go back to login page | Login page displayed | | Pass |
| Go to the Entities tab | Entities page is displayed | | Pass |
| Create the Following Entities with it’s ID: | Branch has been added | | Pass |
| Melon – M5678 | Branch has been added | | Pass |
| Choose Branch 5 and Click Delete | Branch 5 is Deleted | | Pass |
| Choose Branch 5 and Click View | Branch 6 is contents are displayed | | Pass |
| Edit and Change the name of the Dates branch to Dates2 and Dates two. | Name changed | | Pass |
| Change the code to C12345 | Name changed | | Pass |
| Search for the term Banana in Upper case. | Banana branch displayed | | Pass |
| Search for the term Banana in Lower case. | Banana branch displayed | | Pass |
| Search for the term Orange | Orange branch displayed | | Pass |
| Search for the term O1234 | Branches with the term displayed | | Pass |
| Search for the term L1234 | Branches with the term displayed | | Pass |
| Search for the term 24 | Branches with the term displayed | | Pass |
| Search for the term 1234 | Branches with the term displayed | | Pass |
| Search for the term B1234 | Branches with the term displayed | | Pass |
| Search for the term A1234 | Branches with the term displayed | | Pass |
| Switch to Staff Page | Staff Page Displayed | | Pass |
| Switch to Entities Page | Entities Page displayed with the Added Branches | | Pass |
| Click on the ID 8 | Staff Member 8 is displayed | | Pass |
| Click on View | Staff Member 8 information is displayed | | Pass |
| Click on Delete | Staff Member 8 is Deleted | | Pass |
| Click on the Search Button | List is Displayed | | Pass |
| Click on the > icon to got to the next page | Next Branch page is Displayed | | Fail |
| Click on the < icon to got to the previous page | Previous Branch page is Displayed | | Fail |
| Click on the Entities Tab | Branches and Staff Appear | | Pass |
| Select Staff | Back to the Staff Page | | Pass |
| Go to all Account Tabs and then Log out | Back to the Home screen | | Pass |

| *Functional test - After Logged in as User - Adding Staff* | | |
| --- | --- | --- |
| Test Story | Expected Result | Pass/Fail |
| Got to Home Page | Home page displayed | Pass |
| Enter login details – ‘user’ as user and as password. | No errors on display | Pass |
| Uncheck the Auto | Uncheck successful | Pass |
| Click on Authenticate | Display logged in message | Pass |
| Go to the Entities tab and select Staff | Staff Page displayed | Pass |
| Add the Following Staff members with the following Branches selected: |  | Pass |
| Sally - Orange | Member added | Pass |
| Click the << Button | First staff members page displayed | Pass |
| Click the >> Button | Last staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Click the > Button | Next staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Click the < Button | Previous staff members page displayed | Pass |
| Select staff member 13 | Staff member 13 is displayed | Pass |
| Click Back | Staff Page is Displayed | Pass |
| Delete Member Number 5 | Confirmation Window displayed | Pass |
| Click Delete | Member 5 is Deleted | Pass |
| Select staff member 8 | Staff member 8 is displayed | Pass |
| Click Back | Staff Page is Displayed | Pass |
| Select Edit Icon for Member 7 | Edit view for Member 7 is displayed | Pass |
| Delete Name Field | Warning Appears – The field is requred | Pass |
| Type new name for Member - Gabriela | Item as Typed | Pass |
| Select new Branch - Lemon | Item as Selected | Pass |
| Click Save | Item has changed accordingly | Pass |
| Log out | Home Page dislpayed | Pass |
|  |  |  |

| *Functional test - After Logged in - Account* | | | | |
| --- | --- | --- | --- | --- |
| Test Story | | Expected Result | | Pass/Fail |
| Got to Home Page | | Home page displayed | | Pass |
| Enter login details – ‘user’ as user and as password. | | No errors on display | | Pass |
| Uncheck the Auto | | Uncheck successful | | Pass |
| Click on Authenticate | | Display logged in message | | Pass |
| Go to the Account tab and select Settings | | Settings Page displayed | | Pass |
| Change First name to - testers | | | Displayed As typed | Pass |
| Change Last name to - choice | | | Displayed As typed | Pass |
| Change email to - test@localhost | | | Displayed As typed | Pass |
| Click on the Save Button | | | Changes Saved | Fail |
| Go to the Account tab and select Password | | Password change page is displayed | | Pass |
| Type the password - abcdefghijkl | | Complexity message appears | | Pass |
| Confirm the password - abcdefghijklm | |  | | Pass |
| Click on the Save Button | | Error - The password and its confirmation do not match! | | Pass |
| Type the password - helpmeoutplease | As typed | | | Pass |
| Confirm the password - helpmeoutplease | As typed | | | Pass |
| Click on the Save Button | Changes saved | | | Fail |
| Click on the Entities tab and select the Sessions tab | Session page is Displayed | | | Pass |
| Log Active sessions | Active sessions should be seen | | | Pass |