Test Protocol for Functional Testing:

| 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 |