# **Test cases for Staffs**

**1.Test case Id**: **TC-16**

**Functionality**:

Create "ABCStaff" Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Click on “Create a new Staff”.
3. Enter name “ABCStaff”, select branch from dropdown and click on save button.

**Expected Result:**

“ABCStaff” should be created.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_04, TC\_05, TC\_06, TC\_07, TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-primary")).click(); /\* Click on Create a Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*name*("name")).sendKeys("ABCStaff"); /\* Generate ABCStaff Staff Name \*/

Thread.*sleep*(2000);

WebElement Branch\_Dropdown30=driver.findElement(By.*name*("related\_branch"));

Select Branch30= **new** Select(Branch\_Dropdown30);

Branch30.selectByIndex(2); /\* Select Branch from dropdown \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click save \*/

System.***out***.println("Staff ABCStaff has been created");

**Test Run result**:

Branch ABCStaff has been created

**Test Case Status**: **Pass**

**2.Test case Id**: **TC-17**

**Functionality**:

Create " BCDStaff" Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Click on “Create a new Staff”.
3. Enter name “BCDStaff”, select branch from dropdown and click on save button.

**Expected Result:**

“BCDStaff” should be created.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_04, TC\_05, TC\_06, TC\_07, TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-primary")).click(); /\* Click on Create a Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*name*("name")).sendKeys("BCDStaff"); /\* Generate BCDStaff Staff Name \*/

Thread.*sleep*(2000);

WebElement Branch\_Dropdown40=driver.findElement(By.*name*("related\_branch"));

Select Branch40= **new** Select(Branch\_Dropdown40);

Branch40.selectByIndex(3); /\* Select Branch from dropdown \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click save \*/

System.***out***.println("Staff BCDStaff has been created");

**Test Run result**:

Staff BCDStaff has been created

**Test Case Status**: **Pass**

**3.Test case Id**: **TC-18**

**Functionality**:

Create “CDEStaff” Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Click on “Create a new Staff”.
3. Enter name “CDEStaff”, select branch from dropdown and click on save button.

**Expected Result:**

“CDEStaff” should be created.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-primary")).click(); /\* Click on Create a Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*name*("name")).sendKeys("CDEStaff"); /\* Generate CDEStaff Staff Name \*/

Thread.*sleep*(2000);

WebElement Branch\_Dropdown50=driver.findElement(By.*name*("related\_branch"));

Select Branch50= **new** Select(Branch\_Dropdown50);

Branch50.selectByIndex(2); /\* Select Branch from dropdown \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click save \*/

System.***out***.println("Staff CDEStaff has been created");

**Test Run result**:

Staff CDEStaff has been created

**Test Case Status**: **Pass**

**4.Test case Id**: **TC-19**

**Functionality**:

Create “DEFStaff” Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Click on “Create a new Staff”.
3. Enter name “DEFStaff”, select branch from dropdown and click on save button.

**Expected Result:**

“DEFStaff” should be created.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-primary")).click(); /\* Click on Create a Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*name*("name")).sendKeys("DEFStaff"); /\* Generate DEFStaff Staff Name \*/

Thread.*sleep*(2000);

WebElement Branch\_Dropdown60=driver.findElement(By.*name*("related\_branch"));

Select Branch60= **new** Select(Branch\_Dropdown60);

Branch60.selectByIndex(4); /\* Select Branch from dropdown \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click save \*/

System.***out***.println("Staff DEFStaff has been created");

**Test Run result**:

Staff DEFStaff has been created

**Test Case Status**: **Pass**

**5.Test case Id**: **TC-20**

**Functionality**:

Create random Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Click on “Create a new Staff”.
3. Enter random name, select random branch from dropdown and click on save button.

**Expected Result:**

Random Staff should be created.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_04, TC\_05, TC\_06, TC\_07, TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-primary")).click(); /\* Click on Create a Staff\*/

Thread.*sleep*(2000);

String alphabet1 = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

**int** N1 = alphabet1.length();

Random r1 = **new** Random();

String StaffName = "Staff" + (alphabet1.charAt(r1.nextInt(N1))); /\* generate Random Staff Name \*/

System.***out***.println("StaffName is " + StaffName);

driver.findElement(By.*name*("name")).sendKeys(StaffName);

Thread.*sleep*(2000);

WebElement Branch\_Dropdown20=driver.findElement(By.*name*("related\_branch"));

Select Branch20= **new** Select(Branch\_Dropdown20);

**int** OptionIndex20 = r.nextInt(Branch20.getOptions().size()-1);

Thread.*sleep*(2000);

Branch20.selectByIndex(OptionIndex20+2); /\* Select random Branch from dropdown \*/

Thread.*sleep*(2000);

WebElement Selected\_Branch20=Branch20.getFirstSelectedOption();

String Branch\_Staff= Selected\_Branch20.getText();

System.***out***.println("Branch Name is " + Branch\_Staff);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click save \*/

Thread.*sleep*(3000);

WebElement BaseTable20 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows20 = BaseTable20.findElements(By.*tagName*("tr"));

**int** TableRows\_Size20 = TableRows20.size();

System.***out***.println(TableRows20.get(TableRows\_Size20-1).getText()); /\* will get newly created Staff \*/

Thread.*sleep*(2000);

**if** (TableRows20.get(TableRows\_Size20-1).getText().contains(StaffName) && TableRows20.get(TableRows\_Size20-1).getText().contains(Branch\_Staff)) /\* Verify combination of Staff Name and Branch name \*/

{

System.***out***.println("Combination of Staff " + StaffName + " and Branch " + Branch\_Staff + " Created!!!");

*assertTrue*(**true**);

}

**else**

{

System.***out***.println("Combination of Staff " + StaffName + " and Branch " + Branch\_Staff + " not Created!!!");

}

**Test Run result**:

StaffName is StaffN

Branch Name is BranchY

50 StaffN BranchY View Edit Delete

Combination of Staff StaffN and Branch BranchY Created!!!

**Test Case Status**: **Pass**

**6.Test case Id**: **TC-21**

**Functionality**:

Search a Staff

**Manual Test Steps**:

1. Click on Entities->Staff.
2. Enter Staff name in search box and click search.
3. Enter Branch Name in search box and click search.

**Expected Result:**

Search result page should be displayed for Staff Name.

Search result page should be displayed for Branch Name.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

driver.findElement(By.*id*("searchQuery")).sendKeys(StaffName); /\* Searching with Staff Name \*/

Thread.*sleep*(5000);

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* click on search button \*/

Thread.*sleep*(2000);

**if** (driver.getPageSource().contains(StaffName)) /\* Verify the search page with Staff Name \*/

{

System.***out***.println("Search result page is displayed for Staff " + StaffName );

}

driver.findElement(By.*id*("searchQuery")).clear();

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click();

driver.findElement(By.*id*("searchQuery")).sendKeys(Branch\_Staff); /\* Searching with Branch Name \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* click on search button \*/

Thread.*sleep*(2000);

**if** (driver.getPageSource().contains(Branch\_Staff))

{

System.***out***.println("Search result page is displayed for Branch " + Branch\_Staff ); /\* Verify the search page with Branch Name \*/

}

driver.findElement(By.*id*("searchQuery")).clear();

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* Back to Staff \*/

**Test Run result**:

Search result page is displayed for Staff StaffN

Search result page is displayed for Branch BranchY

**Test Case Status**: **Fail** (Refer to Defect-01 from “Defect\_Observed” sheet)

**7.Test case Id**: **TC-22**

**Functionality**:

View a Branch and Confirm that branch is correctly viewed

**Manual Test Steps**:

1. Create a random Staff.
2. Click on “View” button for the newly created Staff.
3. Verify Staff Name and Branch Name.

**Expected Result:**

Staff name and Branch name should be correctly viewed for the newly created Staff.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement21=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count21=AllElement21.size();

Thread.*sleep*(3000);

AllElement21.get(Count21-1).findElement(By.*cssSelector*("button.btn.btn-info.btn-sm")).click(); /\* click on view on newly created Staff\*/

Thread.*sleep*(2000);

WebElement Staff\_Table21 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> Staff\_Table\_Row21 = Staff\_Table21.findElements(By.*tagName*("tr"));

**int** Staff\_Table\_Row\_Count21 = Staff\_Table\_Row21.size();

String View\_Staff\_Name= Staff\_Table\_Row21.get(Staff\_Table\_Row\_Count21-2).findElement(By.*cssSelector*("input.input-sm.form-control")).getAttribute("value"); /\* Staff Name from the view table\*/

String Staff\_Branch\_Name=Staff\_Table\_Row21.get(Staff\_Table\_Row\_Count21-1).findElement(By.*cssSelector*("input.input-sm.form-control")).getAttribute("value"); /\* Branch Name from the view table\*/

**if** ( (StaffName.equals(View\_Staff\_Name)) && (Branch\_Staff.equals(Staff\_Branch\_Name))) /\* Verify the Staff Name and Branch Name properly viewed \*/

{

System.***out***.println("Staff " + StaffName + " and Branch " + Branch\_Staff + " are correctly viewed");

}

**else**

{

System.***out***.println("Staff View is incorrect!!");

}

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* Back to Staff Screen \*/

**Test Run result**:

Staff StaffN and Branch BranchY are correctly viewed

**Test Case Status**: **Pass**

**8.Test case Id**: **TC-23**

**Functionality**:

Edit a Staff and cancel

**Manual Test Steps**:

1. Create a random Staff.
2. Click on “Edit” button for the newly created Staff.
3. Click Cancel.

**Expected Result:**

No edit and back to Branch Screen.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement22=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count22=AllElement22.size();

Thread.*sleep*(2000);

AllElement22.get(Count22-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click();/\* click Edit on the created Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-default")).click(); /\*Click Cancel on the Edit Screen\*/

System.***out***.println("No edit and back to Staff Screen");

**Test Run result**:

No edit and back to Staff Screen

**Test Case Status**: **Pass**

**9.Test case Id**: **TC-24**

**Functionality**:

Delete a Staff and cancel

**Manual Test Steps**:

1. Create a random Staff.
2. Click on “Delete” button for the newly created Staff.
3. Click Cancel.

**Expected Result:**

No delete and back to Staff Screen.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement23=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count23=AllElement23.size();

Thread.*sleep*(2000);

AllElement23.get(Count23-1).findElement(By.*cssSelector*("button.btn.btn-danger.btn-sm")).click(); /\* Click Delete on the created Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("form[name=\"deleteForm\"] > div.modal-footer > button.btn.btn-default")).click(); /\*Click Cancel on the Delete Screen\*/

System.***out***.println("No edit and back to Staff Screen");

**Test Run result**:

No edit and back to Staff Screen

**Test Case Status**: **Pass**

**10.Test case Id**: **TC-24**

**Functionality**:

Edit a Staff, Edit the Branch and Confirm

**Manual Test Steps**:

1. Create a random Branch.
2. Click on “Edit” button for the newly created Staff.
3. Edit Branch with random branch.
4. Click Save.

**Expected Result:**

Branch Name should be edited for the Staff.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement25=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count25=AllElement25.size();

Thread.*sleep*(2000);

AllElement25.get(Count25-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click(); /\* Click Edit on the newly created Staff\*/

Thread.*sleep*(2000);

WebElement Branch\_Dropdown25=driver.findElement(By.*name*("related\_branch"));

Select Branch25= **new** Select(Branch\_Dropdown25);

**int** OptionIndex25 = r1.nextInt(Branch25.getOptions().size()-1);

Thread.*sleep*(2000);

Branch25.selectByIndex(OptionIndex25+2); /\* Edit Branch name\*/

Thread.*sleep*(2000);

WebElement Selected\_Branch25=Branch25.getFirstSelectedOption();

String Branch\_Staff25= Selected\_Branch25.getText();

System.***out***.println("Edited Branch is " + Branch\_Staff25);

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click();/\*Click Save\*/

Thread.*sleep*(2000);

WebElement BaseTable25 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows25 = BaseTable25.findElements(By.*tagName*("tr"));

**int** TableRows\_Size25 = TableRows25.size();

System.***out***.println(TableRows25.get(TableRows\_Size25-1).getText()); /\* Will display the last row of Staff\*/

Thread.*sleep*(2000);

**if** (TableRows25.get(TableRows\_Size25-1).getText().contains(Branch\_Staff25)) /\* Verify the Branch Name is edited \*/

{

System.***out***.println("Branch Name for the staff has been changed successfully!!!");

*assertTrue*(**true**);

}

**else**

{

System.***out***.println("Please check your code!!!");

}

Thread.*sleep*(2000);

**int** Index15 = Count15/4;

WebElement BaseTable15 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows15 = BaseTable15.findElements(By.*tagName*("tr"));

System.***out***.println(TableRows15.get(Index15).getText()); /\* Will print the last row from Branch screen \*/

**if**(TableRows15.get(Index15).getText().contains(Integer.*toString*(code11))) /\* Verify the code is edited \*/

{

System.***out***.println("Code has been changed successfully!!!");

*assertTrue*(**true**);

}

**else**

{

System.***out***.println("Please check your code!!!");

}

**Test Run result**:

Edited Branch is BranchE

50 StaffN BranchE View Edit Delete

Branch Name for the staff has been changed successfully!!!

**Test Case Status**: **Pass**

**11.Test case Id**: **TC-25**

**Functionality**:

Edit a Staff, Edit the Staff Name and Confirm

**Manual Test Steps**:

1. Create a random Branch.
2. Click on “Edit” button for the newly created Staff.
3. Edit Staff name with random Staff.
4. Click Save.

**Expected Result:**

Staff Name should be edited for the Staff.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement24=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count24=AllElement24.size();

Thread.*sleep*(2000);

AllElement24.get(Count24-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click(); /\*Click Edit on the newly created Staff\*/

Thread.*sleep*(2000);

driver.findElement(By.*name*("name")).clear();

String StaffName24 = "Staff" + (alphabet1.charAt(r1.nextInt(N1))); /\* Random Staff Name \*/

driver.findElement(By.*name*("name")).sendKeys(StaffName24); /\* Edit Staff Name \*/

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Click Save \*/

System.***out***.println("Edited Staff Name is " + StaffName24);

Thread.*sleep*(2000);

WebElement BaseTable24 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows24 = BaseTable24.findElements(By.*tagName*("tr"));

**int** TableRows\_Size24 = TableRows24.size();

System.***out***.println(TableRows24.get(TableRows\_Size24-1).getText()); /\* will show last row of Staff \*/

Thread.*sleep*(2000);

**if** (TableRows24.get(TableRows\_Size24-1).getText().contains(StaffName24)) /\* Verify the Staff Name is edited \*/

{

System.***out***.println("Staffname has been changed successfully!!!");

*assertTrue*(**true**);

}

**else**

{

System.***out***.println("Please check your code!!!");

}

**Test Run result**:

Edited Staff Name is StaffH

50 StaffH BranchE View Edit Delete

Staffname has been changed successfully!!!

**Test Case Status**: **Pass**

**12.Test case Id**: **TC-26**

**Functionality**:

Delete a Staff and Confirm

**Manual Test Steps**:

1. Create a random Staff.
2. Click on “Delete” button for the newly created Staff.
3. Click on Confirm delete.
4. Click Save.

**Expected Result:**

Staff Name should be deleted.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02), Create branch (TC\_08), create random Staff (TC\_20)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement26=driver.findElements(By.*xpath*("//table//td[contains(.,StaffName)]"));

**int** Count26=AllElement26.size();

AllElement26.get(Count26-1).findElement(By.*cssSelector*("button.btn.btn-danger.btn-sm")).click(); /\* Click on Delete\*/

Thread.*sleep*(3000);

driver.findElement(By.*cssSelector*("form[name=\"deleteForm\"] > div.modal-footer > button.btn.btn-danger")).click(); /\* Click on confirm Delete\*/

System.***out***.println("Staff is deleted");

**Test Run result**:

Staff is deleted

**Test Case Status**: **Pass**

**13.Test case Id**: **TC-27**

**Functionality**:

Pagination in Staff screen

**Manual Test Steps**:

1. User is logged in.
2. Navigate to Staff page.
3. Navigate to Next, Previous, Last and First button.

**Expected Result:**

Pagination should work properly.

**Pre-Condition to run the code:**

Driver to set (TC\_01), user is logged in (TC\_02).

Minimum 42 staffs to be created.

**Code to test it**:

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//span[text()='Entities']")).click(); /\* Click Entities \*/

driver.findElement(By.*xpath*("//span[text()='Staff']")).click(); /\* Click Staff \*/

Thread.*sleep*(3000);

driver.findElement(By.*linkText*(">")).click();/\* Click on Next page link \*/

System.***out***.println("Next page of Staff screen is displayed");

Thread.*sleep*(2000);

driver.findElement(By.*linkText*("<")).click();/\* Click on Previous page link \*/

System.***out***.println("Previous page of Staff screen is displayed");

Thread.*sleep*(2000);

driver.findElement(By.*linkText*(">>")).click();/\* Click on Last page link \*/

System.***out***.println("Last page of Staff screen is displayed");

Thread.*sleep*(2000);

driver.findElement(By.*linkText*("<<")).click();/\* Click on First page link \*/

System.***out***.println("First page of Staff screen is displayed");

**Test Run result**:

Next page of Staff screen is displayed

Previous page of Staff screen is displayed

Last page of Staff screen is displayed

First page of Staff screen is displayed

**Test Case Status**: **Pass**