# **Test cases for Branches**

**1. Test case Id**: **TC-04**

**Functionality**:

Create “ABCBranch” with code "66"

**Manual Test Steps**:

1. Click on Entities->Branch.
2. Click on “Create a new Branch”.
3. Enter name “ABCBranch”, code "66" and click on save button.

**Expected Result:**

“ABCBranch” with code "66" should be created.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

driver.findElement(By.*xpath*("//div[@class='col-md-4']/button")).click(); /\* Create a New Branch \*/

Thread.*sleep*(3000);

driver.findElement(By.*name*("name")).sendKeys("ABCBranch"); /\* ABCBranch \*/

driver.findElement(By.*name*("code")).sendKeys("66"); /\* Code 66 \*/

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

System.***out***.println("Branch ABCBranch with code 66 has been created");

**Test Run result**:

Branch ABCBranch with code 66 has been created

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

**2. Test case Id**: **TC-05**

**Functionality**:

Create “BCDBranch” with code "22"

**Manual Test Steps**:

1. Click on Entities->Branch.
2. Click on “Create a new Branch”.
3. Enter name “BCDBranch”, code "22" and click on save button.

**Expected Result:**

“BCDBranch” with code "22" should be created.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

driver.findElement(By.*xpath*("//div[@class='col-md-4']/button")).click(); /\* Create a New Branch \*/

Thread.*sleep*(3000);

driver.findElement(By.*name*("name")).sendKeys("BCDBranch"); /\* BCDBranch \*/

driver.findElement(By.*name*("code")).sendKeys("22"); /\* Code 22 \*/

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

System.***out***.println("Branch BCDBranch with code 22 has been created");

**Test Run result**:

Branch BCDBranch with code 22 has been created

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

**3.Test case Id**: **TC-06**

**Functionality**:

Create “CDEBranch” with code "622"

**Manual Test Steps**:

1. Click on Entities->Branch.
2. Click on “Create a new Branch”.
3. Enter name “CDEBranch”, code "622" and click on save button.

**Expected Result:**

“CDEBranch” with code "622" should be created.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

driver.findElement(By.*xpath*("//div[@class='col-md-4']/button")).click(); /\* Create a New Branch \*/

Thread.*sleep*(3000);

driver.findElement(By.*name*("name")).sendKeys("CDEBranch"); /\* CDEBranch \*/

driver.findElement(By.*name*("code")).sendKeys("622"); /\* Code 622 \*/

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

System.***out***.println("Branch CDEBranch with code 622 has been created");

**Test Run result**:

Branch CDEBranch with code 622 has been created

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

**4.Test case Id**: **TC-07**

**Functionality**:

Create “DEFBranch” with code "44"

**Manual Test Steps**:

1. Click on Entities->Branch.
2. Click on “Create a new Branch”.
3. Enter name “DEFBranch”, code "44" and click on save button.

**Expected Result:**

“DEFBranch” with code "44" should be created.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

driver.findElement(By.*xpath*("//div[@class='col-md-4']/button")).click(); /\* Create a New Branch \*/

Thread.*sleep*(3000);

driver.findElement(By.*name*("name")).sendKeys("DEFBranch"); /\* DEFBranch \*/

driver.findElement(By.*name*("code")).sendKeys("44"); /\* Code 44 \*/

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

System.***out***.println("Branch DEFBranch with code 44 has been created");

**Test Run result**:

Branch DEFBranch with code 44 has been created

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

**5.Test case Id**: **TC-08**

**Functionality**:

Create Random Branch

**Manual Test Steps**:

1. Click on Entities->Branch.
2. Click on “Create a new Branch”.
3. Enter random name, random code and click on save button.

**Expected Result:**

Random Brach name with random code should be created.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

driver.findElement(By.*xpath*("//div[@class='col-md-4']/button")).click(); /\* Create a New Branch \*/

Thread.*sleep*(3000);

String alphabet = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

**int** N = alphabet.length();

Random r = **new** Random();

String BranchName = "Branch" + (alphabet.charAt(r.nextInt(N))); /\* Random Branch Name\*/

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

**int** code = **new** Random().nextInt(990);

**int** code1= **new** Random().nextInt(990);

code = (code %code1)+10; /\* Random code\*/

driver.findElement(By.*name*("code")).sendKeys(Integer.*toString*(code));

Thread.*sleep*(3000);

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

System.***out***.println("Branch name is " + BranchName);

System.***out***.println("Code is " + code);

Thread.*sleep*(3000);

WebElement BaseTable10 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows10 = BaseTable10.findElements(By.*tagName*("tr"));

**int** TableRows\_Size10 = TableRows10.size();

System.***out***.println(TableRows10.get(TableRows\_Size10-1).getText()); /\*click on View on the newly created Branch\*/

Thread.*sleep*(2000);

**if** (TableRows10.get(TableRows\_Size10-1).getText().contains(BranchName) && TableRows10.get(TableRows\_Size10-1).getText().contains(Integer.*toString*(code))) /\* Verify combination of Branch Name and Code \*/

{

System.***out***.println("Combination of Branch " + BranchName + " and Code " + code + " Created!!!");

*assertTrue*(**true**);

}

**else**

{

System.***out***.println("Combination of Branch " + BranchName + "and Code" + code + " not Created!!!");

}

**Test Run result**:

Branch name is BranchP

Code is 585

32 BranchP 585 View Edit Delete

Combination of Branch BranchP and Code 585 Created!!!

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

**6.Test case Id**: **TC-09**

**Functionality**:

Search a Branch

**Manual Test Steps**:

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

**Expected Result:**

Search result page should be displayed with Branch Name.

Search result page should be displayed with code.

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

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

**Code to test it**:

Thread.*sleep*(3000);

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

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

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

Thread.*sleep*(5000);

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* Click n Search \*/

Thread.*sleep*(2000);

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

{

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

}

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

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

driver.findElement(By.*id*("searchQuery")).sendKeys(Integer.*toString*(code)); /\* Searching with code \*/

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("button.btn.btn-info")).click(); /\* Click n Search \*/

Thread.*sleep*(2000);

**if** (driver.getPageSource().contains(Integer.*toString*(code))) /\* Verify the search page with code\*/

{

System.***out***.println("Search result page is displaed for Branch code " + code );

}

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

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

**Test Run result**:

Search result page is displayed for Branch BranchP

Search result page is displaed for Branch code 585

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

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

**Functionality**:

View a Branch and Confirm that branch is correctly viewed

**Manual Test Steps**:

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

**Expected Result:**

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

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

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

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement11=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count11=AllElement11.size();

Thread.*sleep*(3000);

AllElement11.get(Count11-1).findElement(By.*cssSelector*("button.btn.btn-info.btn-sm")).click(); /\* click on view on newly created Branch\*/

Thread.*sleep*(2000);

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

List<WebElement> View\_Table\_Row = View\_Table.findElements(By.*tagName*("tr"));

**int** View\_Table\_Row\_Count = View\_Table\_Row.size();

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

String View\_Code\_Name=View\_Table\_Row.get(View\_Table\_Row\_Count-1).findElement(By.*cssSelector*("input.input-sm.form-control")).getAttribute("value"); /\* Code from the view table\*/

**if** ( (BranchName.equals(View\_Branch\_Name)) && (Integer.*toString*(code).equals(View\_Code\_Name))) /\* Verify the Branch Name and Code properly viewed \*/

{

System.***out***.println("Branch " + BranchName + " and Code " + code + " are correctly viewed");

}

**else**

{

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

}

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

**Test Run result**:

Branch BranchP and Code 585 are correctly viewed

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

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

**Functionality**:

Edit a Branch and cancel

**Manual Test Steps**:

1. Create a random Branch.
2. Click on “Edit” button for the newly created branch.
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), random branch creation (TC\_08)

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement12=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count12=AllElement12.size();

Thread.*sleep*(2000);

AllElement12.get(Count12-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click(); /\* Click edit on the newly created Branch\*/

Thread.*sleep*(2000);

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

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

**Test Run result**:

No edit and back to Branch Screen

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

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

**Functionality**:

Delete a Branch and cancel

**Manual Test Steps**:

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

**Expected Result:**

No delete and back to Branch Screen.

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

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

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement13=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count13=AllElement13.size();

Thread.*sleep*(2000);

AllElement13.get(Count13-1).findElement(By.*cssSelector*("button.btn.btn-danger.btn-sm")).click(); /\* Click Delete on the newly created Branch\*/

Thread.*sleep*(2000);

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

System.***out***.println("No delete and back to Branch Screen");

**Test Run result**:

No delete and back to Branch Screen

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

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

**Functionality**:

Edit a Branch, Edit the Code and Confirm

**Manual Test Steps**:

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

**Expected Result:**

Code should be edited for the Branch.

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

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

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement15=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count15=AllElement15.size();

Thread.*sleep*(2000);

AllElement15.get(Count15-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click(); /\* Click edit on the newly created Branch\*/

Thread.*sleep*(2000);

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

**int** code11 = **new** Random().nextInt(990);

**int** code22= **new** Random().nextInt(990);

code11 = (code11 %code22)+10; /\*random code \*/

driver.findElement(By.*name*("code")).sendKeys(Integer.*toString*(code11)); /\*Edit the code\*/

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

System.***out***.println("Edited code is " + code11);

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 code is 70

32 BranchP 70 View Edit Delete

Code has been changed successfully!!!

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

**11.Test case Id**: **TC-14**

**Functionality**:

Edit a Branch, Edit the Branch Name and Confirm

**Manual Test Steps**:

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

**Expected Result:**

Branch Name should be edited for the Branch.

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

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

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement14=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count14=AllElement14.size();

Thread.*sleep*(2000);

AllElement14.get(Count14-1).findElement(By.*cssSelector*("button.btn.btn-primary.btn-sm")).click(); /\* Click Edit on the newly created Branch\*/

Thread.*sleep*(2000);

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

String BranchName14 = "Branch" + (alphabet.charAt(r.nextInt(N)));

driver.findElement(By.*name*("name")).sendKeys(BranchName14); /\* Random Branch Name \*/

driver.findElement(By.*cssSelector*("div.modal-footer > button.btn.btn-primary")).click(); /\* Edit the Branch Name\*/

System.***out***.println("Edited Branch Name is " + BranchName14);

Thread.*sleep*(2000);

**int** Index14 = Count14/4;

WebElement BaseTable14 = driver.findElement(By.*className*("table-responsive"));

List<WebElement> TableRows14 = BaseTable14.findElements(By.*tagName*("tr"));

System.***out***.println(TableRows14.get(Index14).getText()); /\* Will print the last row from Branch screen \*/

**if**(TableRows14.get(Index14).getText().contains(BranchName14)) /\* Verify the Branch Name is edited \*/

{

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

*assertTrue*(**true**);

}

**else**

{

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

}

**Test Run result**:

Edited Branch Name is BranchA

32 BranchA 70 View Edit Delete

Branchname has been changed successfully!!!

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

**12.Test case Id**: **TC-15**

**Functionality**:

Delete a Branch and Confirm

**Manual Test Steps**:

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

**Expected Result:**

Branch Name should be deleted.

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

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

**Code to test it**:

Thread.*sleep*(2000);

List<WebElement> AllElement16=driver.findElements(By.*xpath*("//table//td[contains(.,BranchName)]"));

**int** Count16=AllElement16.size();

AllElement16.get(Count16-1).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("Branch is deleted");

**Test Run result**:

Branch is deleted

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