Test Cases for Gurukula Application

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Test Cases Automated

The following test cases have been automated in the framework.

No.	Module	Steps	Expected System Response
1	Branch	Click on Entities and Click on Branch	● Show Branch Menu
2	Branch	Verify elements on Branch Page	● Show 'Create New Branch' button ● Show Search query text box ● Show Search query button ● Show all branches created with columns 'ID', 'Name' and 'Code'
3	Branch	Enter value in Name field on Branch Page	Validate the following ● Field is mandatory ● Field has values a-z, A-Z only ● Field is minimum 5 and maximum 20 char
4	Branch	Enter value in Code field on Branch Page	Validate the following ● Field is mandatory ● Field has values 0-9, A-Z only ● Field is minimum 2 and maximum 10 char
5	Branch	Enter values in Name and Code field on Branch Page and click on Save	● The new branch must be created ● Pop-up is closed and Branch page is displayed ● Branch must be displayed in the Table
6	Branch	Enter duplicate records on Branch Page	● Duplicate branch records creation should not be allowed
7	Staff	Click on Entities and Click on Staff	● Show Staff Menu
8	Staff	Verify elements on Staff Page	● Show 'Create a new Staff' button ● Show Search Query text box

			● Show Search Query button ● Show all staff created with columns 'ID', 'Name' and 'Branch'
9	Staff	Enter values in Name and Branch field on Staff Page and click on Save	● The new staff must be created ● Pop-up is closed and staff is displayed ● Staff must be displayed in the Table

Defects Found

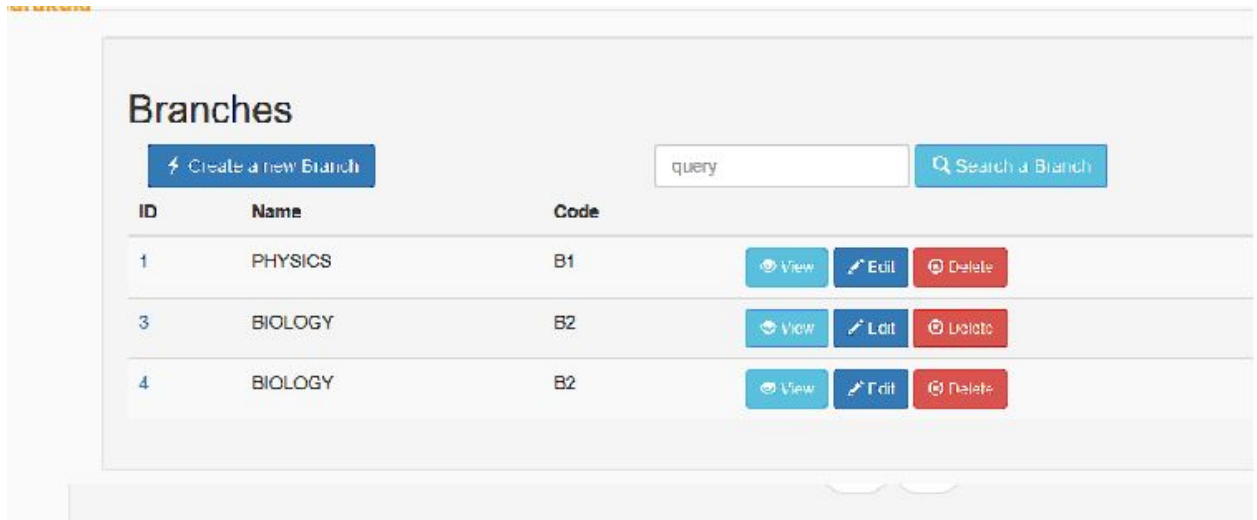The following defects have been detected as part of the testing.

No.	Module	Steps	Defect
1	Branch/ Staff		Expected: ● ID field on pop-up is not visible as user cannot edit it. Actual: ● ID field is visible for Branch and Staff Page
2	Branch	Create a Branch with same Name and Code multiple times.	Expected: ● System does not allow user to create a Branch with same Name and Code multiple times. Actual: ● System does allow user to create a Branch with same Name and Code multiple times.
3	Branch	View the table on the Branch page	Expected: ● Pagination must be present. Actual: ● Pagination not present.
4	Branch	Create a Branch and delete it.	Expected: ● The system deletes the ID and recreates the ID when new branch is created. Actual: ● The system does not delete the ID and creates the next ID when new branch is created.

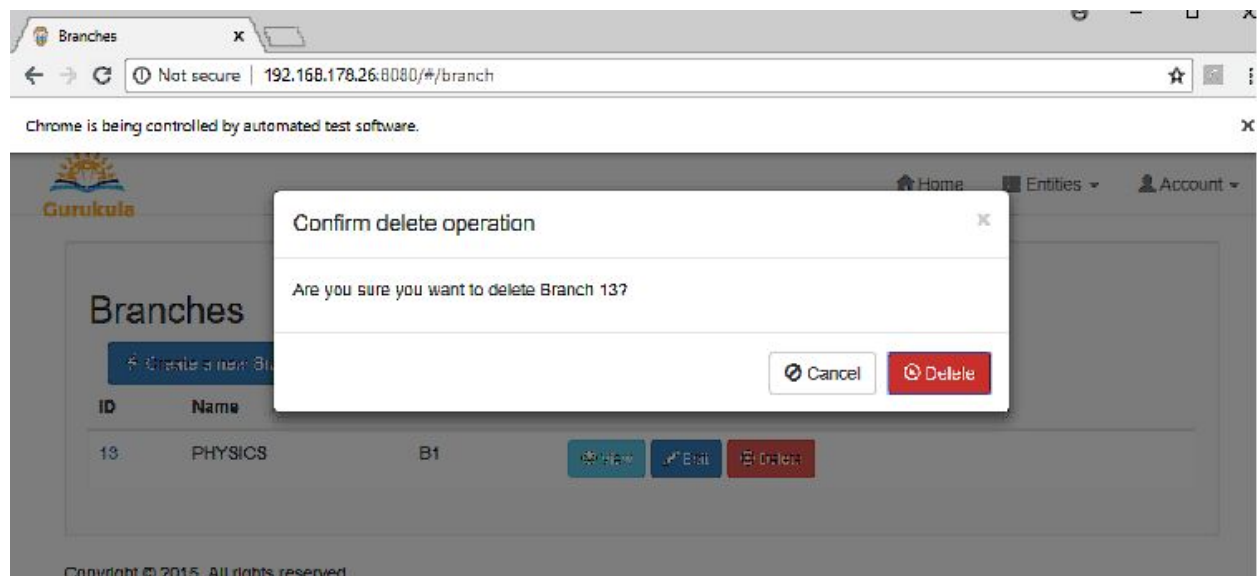|			
		Branches **Create a new Branch** query **Search a Branch** ID Name Code 1 Maths B1 View Edit Delete 3 Science B2 View Edit Delete 5 Drawing B3 View Edit Delete	
5	Branch	Create a Branch and delete it.	Expected: ● The system deletes the ID and recreates the ID when new branch is created. Actual: ● The system does not delete the ID and creates the next ID when new branch is created.

4. Defect : Duplicate Staffs and Branches can be created

5. Pagination is present on Staff. Pagination should be present on Branch Page as well

Staffs

Create a new Staff   query   **Search a Staff**

ID	Name	Branch			
1	SAURABH	BIOLOGY	View	Edit	Delete
2	SAURABH	PHYSICS	View	Edit	Delete
3	SAURABH	BIOLOGY	View	Edit	Delete

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6. Defect : Unable to delete the 13th Record of Branch

Test Cases to be Automated

Following are the test cases yet to be added to the framework.

No.	Module	Steps	Expected System Response
1	Login	Open the landing page	Verify the following links: Login Register a new account

2	Login	Click on Login	Verify the following ● Login text box ● Password text box ● Automatic Login check-box ● Authenticate button ● 'Did you forget your password?' hyperlink ● ' Register a new account' hyperlink
3	Login	Enter Correct Login(admin) Correct password(admin)	User is navigated to the Home page. The following message is displayed on the page. "You are logged in as user "admin".
4	Login	Enter Incorrect Login(admin1) Correct password(admin)	User is not logged into the system. The following message is displayed on the page. "Authentication failed! Please check your credentials and try again."
5	Login	Enter Correct Login(admin) Incorrect password(admin1)	User is not logged into the system. The following message is displayed on the page. "Authentication failed! Please check your credentials and try again."
6	Login	Enter Correct Login(admin) Correct password(admin) Check the 'Automatic Login' check box Logout and try to login again	The Login id and password fields are filled with the previous login/password values.
7	Branch	Click on 'Create a new branch' Enter Name-Geometry and Code-B3. Click Save.	A new branch with name 'Geometry' and code 'B3' is created. The Branch record is visible in the Branch table. Branch record is visible(Name) in the Branch field in the Create Staff pop-up.
8	Branch	Enter the Code B3 in Search field and click 'Search'	The branch Geometry record is visible in the Search result set.
9	Branch	Click on 'Edit' in the Geometry field in search result set. Edit the name to 'Geometrya'	Pop-up is displayed with Name and Code field as editable. The Name fields is now saved as 'Geometrya' The Branch column in the Staff table also updates the name to 'Geometrya'

10	Branch	Enter 'B5' in the Search text box in and click Search. Click on Delete for the record B5	The record 'Biology' and branch B5 is visible in the result set. The following message must be displayed "Cannot delete this branch as there is a staff associated with it."
11	Staff	In the Staff page, search and delete Staff 'biostaff'. Enter 'B5' in the Search text box in and click Search. Click on Delete for the record B5	The staff 'biostaff' must be deleted. The Biology staff must get deleted.
12	Staff	Click on 'Create a new Staff' Enter Name-GeometryStaff and Branch-Geometrya. Click Save.	A new staff with name 'GeometryStaff' is created. The Staff record is visible in the Staff table.
13	Staff	Click on Edit Edit the Staff name or Branch Click Save	The Staff name or branch must get updated and saved. The record must show the new Staff Name or branch
14	Staff	Click on Delete for staff name Geometrystaff	The staff record must get deleted.