Eureka Labs

Test Cases

Test Case TC_Login_01

Test Case ID: TC_Login_01	Test Designed by: Geordie Jones
Test Priority (Low/Medium/High): High	Test Designed Date: Apr-2019
Module Name: Eureka Labs login screen	Test Executed by: Geordie Jones
Test Title: Verify login with valid username and password	Test Execution Date: Apr-2019
Description: Test the Eureka Labs login page	Test Type: Functional
Related Use Cases: UC003- Content Creator logs into the system UC004- System Administrator logs into system	

Pre-conditions:
User has active account and valid username and password.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to login page	URL	Signup page loaded properly.	User is navigated to signup page	Pass
2	Click username field and provide valid username	"geojones26"	No validation error msg appears	No validation error msg appears	Pass
3	Click the password field and type invalid password	Password234	No validation error msg appears	No validation error msg appears	Pass
4	Click on Login button		User should be able to login	Dashboard with successful login	Pass

Post-conditions:

    User is validated with database and successfully login to account.

Test Case TC_Register_01

Test Case ID:	Test Designed by:
TC_Register_01	Geordie Jones

Test Priority (Low/Medium/High):	Test Designed Date:
High	Apr-2019

Module Name:	Test Executed by:
Eureka Labs Register screen	Geordie Jones

Test Title:	Test Execution Date:
Verify Register with valid input	Apr-2019

Description:	Test Type:
Test the Eureka Labs register page	Functional

Related Use Cases:	
UC001- Content Creator /Educator requests account	
UC019: System notifies admin or account request	

Pre-conditions:
User has valid email

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to register page	URL	Register page loaded properly.	User is navigated to register page	Pass
2	Click first name field and provides a first name	Geordie	No validation error msg appears	No validation error msg appears	Pass
3	Click last name field and provides a last name	Jones	No validation error msg appears	No validation error msg appears	Pass

4	Click School name field and provides a School name	Texas Christian Universtiy	No validation error msg appears	No validation error msg appears	Pass
5	Click username field and provides a username that isn't already taken	Geojones26	No validation error msg appears	No validation error msg appears	Pass
6	Click email field and provides a valid email that does not exist in database.	Geordiemj@gmail.com	No validation error msg appears	No validation error msg appears	Pass
7	Click on the recaptcha		No errors from recaptcha	No errors	Pass
8	Click on register		Redirect to homepage	User is navigated to the homepage	Pass

Post-conditions:

User is sent a email to confirm email and set password. Admin is sent a email notifying them there is a new request.

Test Case TC_Register_02

Test Case ID:	Test Designed by:
TC_Register_02	Geordie Jones

Test Priority (Low/Medium/High):	Test Designed Date:
High	Apr-2019

Module Name:	Test Executed by:
Eureka Labs Set password screen	Geordie Jones

Test Title:	Test Execution Date:
Verify email and set password with valid input	Apr-2019

Description:	Test Type:
Test the Eureka Labs set password page	Functional

Related Use Cases:	
UC001- Content Creator /Educator requests account	

Pre-conditions:
User has valid email

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to email and click link		Set password page loaded properly.	User is navigated to set password page	Pass
2	Click password field and provides a password 7 characters or longer	Password234	No validation error msg appears	No validation error msg appears	Pass
3	Click confirm password field and provides password given in the password field	Password234	No validation error msg appears	No validation error msg appears	Pass
4	Click save	Texas Christian Universtiy	No validation error msg appears	No validation error msg appears and user is redirected to login page	Pass

Post-conditions:
User is sent to login page and information is added to the database.

Test Case TC_Admin_01

Test Case ID:	Test Designed by:
TC_Admin_01	Geordie Jones

Test Priority (Low/Medium/High):	Test Designed Date:
High	Apr-2019

Module Name:	Test Executed by:
Eureka Labs Users screen	Geordie Jones

Test Title:	Test Execution Date:
Verify admin approves account	Apr-2019

Description:	Test Type:
Test the Eureka Labs Users page, and user activation	Functional

Related Use Cases:	
UC002- System Administrator approves account	

Pre-conditions:
There exist a user with pending status.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to Users page		Users page populates with list of user accounts	Admin is navigated to Users page, page is populated with users.	Pass
2	Click user with pending status		Sent to profile page for user	Admin is sent to profile page for user	Pass
3	Click activate button		Activate button is highlighted	Activate button becomes highlighted	Pass
4	Click save		Users page populates with list of user accounts	Admin is navigated to Users page, page is populated with users.	Pass

Post-conditions:
    Admin is sent to Users page and desired user account activated, user new information is added to the database.

Test Case TC_Admin_02

Test Case ID:	Test Designed by:
TC_Admin_02	Geordie Jones

Test Priority (Low/Medium/High):	Test Designed Date:
Medium	Apr-2019

Module Name:	Test Executed by:
Eureka Labs Users screen	Geordie Jones

Test Title:	Test Execution Date:
Verify admin filters user search	Apr-2019

Description:	Test Type:
Test the Eureka Labs Users page, and user search	Functional

Related Use Cases:	
UC016- System Administrator filters list of user accounts	

Pre-conditions:
Admin is logged in.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to Users page		Users page populates with list of user accounts	Admin is navigated to Users page, page is populated with users.	Pass
2	Click search field, give valid input, and click filter	Geordie	Users page populates with list of user accounts who's name match	The users with names that match Geordie populate the page	Pass
3	Select pending in the status dropdown list, and click filter		Users page populates with list of user accounts who's name match and have a status of pending	The users with names that match search field value and have a status of pending populate the page	Pass

			Expected Result	Actual Result	Status
4	Select active in the status dropdown list, and click filter		Users page populates with list of user accounts who's name match and have a status of active	The users with names that match search field value and have a status of active populate the page	Pass
5	Select inactive in the status dropdown list, and click filter		Users page populates with list of user accounts who's name match and have a status of inactive	The users with names that match search field value and have a status of inactive populate the page	Pass
6	Select Admin in the role dropdown list, and click filter		Users page populates with list of user accounts who's name match, have the status that is selected and have a role of admin	The users with names that match search field value, have the status that is selected and have a role of admin populate the page	Pass
7	Select Content Creator in the role dropdown list, and click filter		Users page populates with list of user accounts who's name match, have the status that is selected and have a role of content creator	The users with names that match search field value, have the status that is selected and have a role of content creator populate the page	Pass
8	Select Educator in the role dropdown list, and click filter		Users page populates with list of user accounts who's name match, have the status that is selected and have a role of educator	Users page populates with list of user accounts who's name match, have the status that is selected and have a role of education	Pass

Post-conditions:

Admin is sent to Users page with correct users populated every time filter is added

Test Case TC_Lab_Concerns_01

Test Case ID: TC_Lab_Concerns_01	**Test Designed by:** Saby Sahoo
Test Priority (Low/Medium/High): Medium	**Test Designed Date:** Apr-2019
Module Name: Individual labs page screen	**Test Executed by:** Saby Sahoo
Test Title: Verify submissions of lab concerns	**Test Execution Date:** Apr-2019
Description: Test the lab concerns section	**Test Type**: Functional
Related Use Cases: UC006 - User sends a question about the lab.	

Pre-conditions:
Labs should have a concerns and comments forum.

Dependencies:
Same as preconditions.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to lab page	URL	Lab page loaded properly.	User is navigated to lab page	Pass
2	User scrolls to the concerns section		User sees lab concerns page	User sees lab concerns page	Pass
3	User fill the concerns form and submits	"Test Message "	No validation error msg appears	No validation error msg appears	Pass
4	Content creator receives the test data in an email		Email delivered to the content creator with all the fields	Content creator receives the email with all the forms	Pass

Post-conditions:

In case of successful submission user is redirected to the lab page and the content creator receives email.

Test Case TC_Top_Labs_01

Test Case ID: TC_Top_Labs_01	**Test Designed by:** Saby Sahoo
Test Priority (Low/Medium/High): High	**Test Designed Date:** Apr-2019
Module Name: Top labs page screen	**Test Executed by:** Saby Sahoo
Test Title: Display top labs by views	**Test Execution Date:** Apr-2019
Description: Test the top labs page	**Test Type:** Functional
Related Use Cases: UC007 - User looks at the top labs.	

Pre-conditions: Labs should have a labs with views in the database.

Dependencies: Same as preconditions.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to top lab page	URL	Top labs page loaded properly.	User is navigated to top labs page	Pass
2	User is displayed the top labs in the ascending order of views	Labs in the data	User is displayed the labs in the ascending order of views	Labs get displayed in their ascending order of views.	Pass

Post-conditions:
  In case of successful submission user is redirected to the lab page and the content creator receives email.

Test Case TC_Create_Lab_01

Test Case ID: TC_Create_Lab_01	**Test Designed by:** Sabyasachi Sahoo
Test Priority (Low/Medium/High): High	**Test Designed Date:** Apr-2019
Module Name: Eureka Labs create lab page	**Test Executed by:** Sabyasachi Sahoo
Test Title: Verify create a lab	**Test Execution Date:** Apr-2019
Description: Test the Eureka Labs create labs page	**Test Type**: Functional
Related Use Cases: UC008- Content Creator logs into the system and UC017- Content Creator Creates Lab Assessment	
Pre-conditions: User has active content creator account and valid username and password.	
Dependencies:	

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to create lab page	URL	Create lab page loaded properly.	User is navigated to create lab page	Pass
2	Content creator fills in the w2 form	Strings, pdfs, images and links	No validation error msg appears	No validation error msg appears	Pass
3	The lab upload is successful and lab gets added to the database		Lab gets added to the database	The added lab is seen in the database along with correct fields and uploads	Pass

4	Lab get added to the lab page and is viewable by the users		User can view the lab added	The lab added can successfully be seen by the users	Pass

Post-conditions:

Lab is successfully added to the database and is viewable by the users.

Test Case TC_Edit_Lab_01

Test Case ID: TC_Edit_Lab_01	Test Designed by: Saby Sahoo
Test Priority (Low/Medium/High): High	**Test Designed Date:** Apr-2019
Module Name: Eureka Labs edit lab screen	**Test Executed by:** Saby Sahoo
Test Title: Verify edit lab	**Test Execution Date:** Apr-2019
Description: Test the Eureka Labs edit labs page	**Test Type**: Functional
Related Use Cases: UC009- Content Creator edits labs	

Pre-conditions:
User has active content creator account and valid username and password.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to edit lab page	URL	Edit lab page loaded properly.	User is navigated to edit lab page	Pass
2	Content creator makes changes to the w2 lab forms and submits the changes	strings , pdfs, images, and links	No validation error msg appears	No validation error msg appears	Pass
3	Lab edit is successful and the entry is updated in the database		Lab is updated with the correct changes	Lab was updated with the correct changes	Pass
4	Lab is accessible from the lab page		Lab has the added changes	Lab has the added changes	Pass

Post-conditions:

Lab is successfully edited in the database and is viewable by the users.

Test Case TC_Delete_Lab_01

Test Case ID:	Test Designed by:
TC_Delete_Lab_01	Hunter Merritt

Test Priority (Low/Medium/High):	Test Designed Date:
High	Apr-2019

Module Name:	Test Executed by:
Eureka Labs edit lab screen	Hunter Merritt

Test Title:	Test Execution Date:
Verify delete a lab	Apr-2019

Description:	Test Type:
Test the Eureka Labs edit labs page	Functional

Related Use Cases:

UC0010 - Content Creator logs into the system

Pre-conditions:
User has active content creator account and valid username and password.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to login page	URL	Signup page loaded properly.	User is navigated to signup page	Pass
2	Click username field and provide valid username	"geojones26"	No validation error msg appears	No validation error msg appears	Pass
3	Click the password field and type in valid password	Password234	No validation error msg appears	No validation error msg appears	Pass
4	Click on Login button		User should be able to login	Dashboard with successful login	Pass
5	Click on My Labs		User created labs should appear	User created labs appear	Pass

6	Click on Delete Lab and Confirm		Lab Deleted	Lab Deleted	Pass

Post-conditions:

Lab is successfully deleted from database.

Test Case TC_User_Upvotes_Lab_01

Test Case ID:	Test Designed by:
TC_User_Upvotes_Lab_01	Hunter Merritt

Test Priority (Low/Medium/High):	Test Designed Date:
High	Apr-2019

Module Name:	Test Executed by:
Eureka Labs individual lab screen	Hunter Merritt

Test Title:	Test Execution Date:
Verify upvote a lab	Apr-2019

Description:	Test Type:
Test the Eureka Labs view lab page and upvote	Functional

Related Use Cases:

UC0013 - Content Creator logs into the system

Pre-conditions:
Labs exist.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to individual lab page	URL	Individual page loaded	Individual page loaded	Pass
2	Click upvote button		Alert pops and lab upvoted	Alert pops and lab upvoted	Pass

Post-conditions:
Lab is successfully upvoted in database.

Test Case TC_View_Analytics_For_All_Labs_01

Test Case ID: TC_View_All_Analytics_Lab_01	Test Designed by: Hunter Merritt
Test Priority (Low/Medium/High): High	Test Designed Date: Apr-2019
Module Name: Eureka Labs lab analytics screen	Test Executed by: Hunter Merritt
Test Title: Verify view lab analytics	Test Execution Date: Apr-2019
Description: Test the Eureka Labs view labs page	Test Type: Functional
Related Use Cases: UC0014 - Admin views all lab analytics.	
Pre-conditions: User has active content creator account and valid username and password.	
Dependencies:	

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to login page	URL	Signup page loaded properly.	User is navigated to signup page	Pass
2	Click username field and provide valid username	"huntermer"	No validation error msg appears	No validation error msg appears	Pass
3	Click the password field and type in valid password	hunter	No validation error msg appears	No validation error msg appears	Pass
4	Click on Login button		User should be able to login	Dashboard with successful login	Pass
5	Click on Analytics		Analytics should show up	Analytics should show up	Pass

Post-conditions:

Lab analytics are shown.

Test Case TC_Restore_Application_01

Test Case ID: TC_Restore_Application_01	**Test Designed by:** Hunter Merritt
Test Priority (Low/Medium/High): High	**Test Designed Date:** Apr-2019
Module Name: Eureka Labs server terminal	**Test Executed by:** Hunter Merritt
Test Title: Verify application restore	**Test Execution Date:** Apr-2019
Description: Test the Eureka Labs application restore	**Test Type**: Functional
Related Use Cases: UC0015 - Restore Application	

Pre-conditions:
User has access to the terminal of the server

Dependencies: Git and pip

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass / Fail)
1	Navigate to server terminal		Shell access to the server	Shell access to the server	Pass
2	Run git clone the repository		No errors	No errors	Pass
3	Run python3 app.py		No errors	No errors	Pass

Post-conditions:
    Application is successfully started.