

Since the project is mostly UI based. Most of the system tests can be done manually. There are some tests that have been implemented with Cypress

Manual Tests based on equivalence partitioning

Test ID	Description	Expected Result	Actual Result
1	Register account as an organization with first name, last name, email, password and account type which is organization / student / judge	Account registered successfully	Account registered successfully
2	Register account as an organization with either missing first name, last name, email, password or account type	Account will not be registered successfully and user will stay on the sign up page	Account will not be registered successfully and user will stay on the sign up page
3	User who has to be 'organization' goes to settings and changes icon and submits change profile form	User icon is changed	User icon is changed
4	User goes to settings and changes password and	Change Password	Change Password

	submits change password form		
5	User who is an organization clicks on all scholarships and given that there is at least one scholarship in system created beforehand	The scholarship details are displayed with a link to organization page	The scholarship details are displayed with a link to organization page
6	User clicks on a link to an organization page	The organization's profile is displayed	The organization's profile is displayed
7	User who is an organization clicks profile	User icon if exists is displayed and there is a button to create a scholarship along with a list of all scholarships	User icon if exists is displayed and there is a button to create a scholarship along with a list of all scholarships
8	User who is an student clicks profile	Student profile will be displayed with name, email and account type	Student profile will be displayed with name, email and account type
9	User who is an judge clicks profile	Judge profile will be displayed with name, email and account type	Judge profile will be displayed with name, email and account type
10	User who is an organization clicks to	A form is displayed with end date, amount, name of	A form is displayed with end date, amount, name of

	create new scholarship	scholarship, number of awards and description of scholarships. Also displayed are 2 textboxes where user can enter questions and weighting for 3 categories of academic, leadership, volunteer	scholarship, number of awards and description of scholarships. Also displayed are 2 textboxes where user can enter questions and weighting for 3 categories of academic, leadership, volunteer
11	User who is an organization clicks to submit new scholarship but misses some details or end date is current date or older	Form will not submit until user corrects issues and resubmits	Form will not submit until user corrects issues and resubmits
12	User who is an organization clicks to submit new scholarship with all details	Form will be submitted and new scholarship will be created and this scholarship will be shown in profile	Form will be submitted and new scholarship will be created and this scholarship will be shown in profile
13	User who is an organization decides to close scholarship	Scholarship will be closed and no new applications will be accepted	Scholarship will be closed and no new applications will be accepted
14	User who is an organization decides to announce winners	Winner(s) will be announced	Winner(s) will be announced

15	User who is an organization decides to announce winners but no students applied or students were less than number of awards	There will be no winners	There will be no winners
16	User clicks on Log Out	All the user details are deleted from local storage and user is signed out	All the user details are deleted from local storage and user is signed out
17	User clicks on Notifications	Any notifications will be shown (eg if user was a winner for scholarship etc)	Any notifications will be shown (eg if user was a winner for scholarship etc)
18	User who is a student clicks on all scholarships and then selects a scholarship	The scholarship details are displayed with a link to organization page with an apply button	The scholarship details are displayed with a link to organization page with an apply button
19	User who is a judge clicks on all scholarships and then selects a scholarship	The scholarship details are displayed with a link to organization page with a judge button	The scholarship details are displayed with a link to organization page with a judge button
20	User who is a student selects to apply to scholarship	Scholarship questions and basic application details such as personal	Scholarship questions and basic application details such as personal

		information, grade, school are asked	information, grade, school are asked
21	User who is a student selects to apply to scholarship and misses some details	Form will not be submitted and user will be prompted to fill missing details	Form will not be submitted and user will be prompted to fill missing details
22	User who is a student selects to apply to scholarship	Form will be submitted successfully	Form will be submitted successfully
23	User who is a student clicks on all scholarships and then selects a scholarship that he has already submitted	Scholarship details will be shown with an edit application button	Scholarship details will be shown with an edit application button
24	User who is an organization clicks on their scholarship and clicks add judge button	A mini form will be shown in user can enter judges and submit	A mini form will be shown in user can enter judges and submit
25	User who is a judge clicks to judge scholarship that they have permission to	Judge will be shown a list of application to a scholarship with randomly generated student ids that they judge so as to add or edit scores	Judge will be shown a list of application to a scholarship with randomly generated student ids that they judge so as to add or edit scores

26	Judge clicks on an application to judge	Student's responses with textboxes to rate different criteria of the application are shown	Student's responses with textboxes to rate different criteria of the application are shown
27	Judge adds incomplete or no ratings to an application and tries to submit	Judge will not be able to submit	Judge will not be able to submit
28	Judge adds all ratings to an application and tries to submit	Judge will be able to submit scores successfully	Judge will be able to submit scores successfully

A complete manual system test is given below:

Organization registers and logs into account and then creates a scholarship and 2 students then register and login and apply to the scholarship. Judge registers and gives their id to the organization after which the organization adds the judge to the particular scholarship. The judge then gives ratings to both applications to the scholarship. After this, the organization closes the scholarship and winners are displayed. Winning student is notified about winning the scholarship.

1. Register org account
2. Login org account
3. Go to profile
4. Create scholarship (make number_of_awards = 2)
5. Create another scholarship
6. Log out
7. Register student account
8. Login student account
9. List all scholarships
10. Click on one scholarship
11. Apply to scholarship
12. Log out
13. Register another student account

14. Login another student account
15. Apply to same scholarship
16. Log out

17. Register another student account
18. Login another student account
19. Apply to same scholarship
20. Log out

21. Register judge
22. Login org
23. Go to profile
24. Get judge Id
25. Log out

26. Login org account
27. Go to scholarship
28. Add judge id
29. Log out

30. Login judge account
31. Go to scholarship
32. Judge applications
33. Log out

34. Log in org account
35. Go to scholarship
36. Click close scholarship
37. Click get winners
38. Login student account that won
39. Go to notifications and check

40. Login another student account that won
41. Go to notifications and check

42. Login student account that did not win
43. Show nothing in notifications

44. Register another student account
45. Login student account
46. List all scholarships (show that previous scholarship is no longer available)
47. Log out

48. Login any account

49. Explore settings page