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 submits change password form | Change Password | Change Password |
| 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 create new scholarship | A form is displayed with end date, amount, name of 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 | A form is displayed with end date, amount, name of 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 information, grade, school are asked | Scholarship questions and basic application details such as personal 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