Unit Tests:

Login:

Check Valid, Invalid, and Blank Login responses. Ensure Valid responses are the only inputs that go to the main page.

|  |  |
| --- | --- |
| Type of Input | Response |
| Valid | Allows Access |
| Invalid | Does Nothing |
| Blank | Does Nothing |

Create Account:

Check Different combinations of input for the creation of an account. For Example: inputting numbers into certain sections or not having an @ for the email input. As well as not putting anything into the input field as well.

X=blank <=Input Value

|  |  |
| --- | --- |
| Combination | Response |
| Email, Password, Access Code, Student ID  X,<,<,< | No Access |
| Email, Password, Access Code, Student ID  <,X,<,< | No Access |
| Email, Password, Access Code, Student ID  <,<,X,< | No Access |
| Email, Password, Access Code, Student ID  <,<,<,X | No Access |
| Email, Password, Access Code, Student ID  X,X,<,< | No Access |
| Email, Password, Access Code, Student ID  X,<,X,< | No Access |
| Email, Password, Access Code, Student ID  X,<,<,X | No Access |
| Email, Password, Access Code, Student ID  <,X,<,X | No Access |
| Email, Password, Access Code, Student ID  <,<,X,X | No Access |
| Email, Password, Access Code, Student ID  <,X,X,< | No Access |
| Email, Password, Access Code, Student ID  X,X,X,< | No Access |
| Email, Password, Access Code, Student ID  X,X,<,X | No Access |
| Email, Password, Access Code, Student ID  X,<,X,X | No Access |
| Email, Password, Access Code, Student ID  <,X,X,X | No Access |
| Email, Password, Access Code, Student ID  X,X,X,X | No Access |

The system does require the format ‘x@x’ email address.

Ensure that Database information is properly being input and output back to the SQL server.

Login:

|  |  |
| --- | --- |
| Input from the server | Input is correctly processed |
| Output to the server | Output is shown properly |

Create Account:

|  |  |
| --- | --- |
| Input from the server | Input to the server is correctly processed |
| Output to the server | Output is shown properly |

Students Points are updated:

|  |  |
| --- | --- |
| Input from the server | Input to the server is correctly processed |
| Output to the server | Output is shown properly |

Ensuring when payment is selected, that Strype properly displays

Strype payment displays properly

Ensure that when a location is clicked within the system, google maps appears with that location properly.

Google Maps properly displays

Comment Input

|  |  |
| --- | --- |
| Valid Input | Input to the server is correctly processed |
| Blank Input | Output is shown properly |

Admin Update Sponsors

|  |  |
| --- | --- |
| Valid Input | Allows the information to be updated |
| Incomplete Input | Only updates that field |
| Blank Input | Updates nothing |

Integration Testing:

Create Student Account → Should create user and take to that users main page

Comment:

works

Create Parents Account → Should create user and take to that users main page

Comment:

works

Create Coach/Trainer Account → Should create user and take to that Users main page

Comment:

works

Login as Student → Should take to Student page w/ that users information

Comment:

Works but not all info is populated correctly

Login as Parent → Should take to Parent page w/ that users information

Comment:

Works but not all info is populated correctly

Login as Coach/Trainer → Should take to Coach/Trainer main page w/ that users information

Comment:

Works but not all info is populated correctly

Login as Admin →Should take to the Sponsor Page

Comment:

works

Admin Edit Sponsors → should take to edits page where the admin can edit the top 3 sponsors

Comment:

works

Admin Saves Sponsors → Should return to main page with the edits in place

Comment:

works

Admin goes back to home → Should take admin back to login page

Comment:

works

Coach/Trainer post comment → Should bring up google maps with the Center selected

Comment:

works

Coach/Trainer go to Find Trainer → Should bring top trainer lists

Comment:

Works

Coach/Trainer goes to the local Fitness Centers → Should bring up google maps with the Center

Comment:

works

Coach/Trainer feed load properly → Feed appears with most recent comments by people related to their team

Comment:

Currently not working

Parent go to Find Trainer → Should bring up top trainer lists

Comment:

works

Parent goes to the local Fitness Centers → Should bring up google maps with the Center selected

Comment:

works

Parent go to Leaderboard → Leaderboard page should come up of their team

Comment:

Works but not all info is populated correctly

Parent go to Social Page → Social Page should come up

Comment:

Does not work properly, doesn’t actually go to page

Parent on Social Page post Comment → Comment should be posted

Comment:

Does not work properly, doesn’t actually go to page

Student go to Leaderboard → Leaderboard page should come up of their team

Comment:

Works but not all info is populated correctly

Student go to Social Page → Social Page should come up

Comment:

Does not work properly, doesn’t actually go to page

Students on Social Page Post Comment → Comment should be posted

Comment:

Doesn’t work properly, doesn’t actually go to page

Student go to Find Trainer → Bring up top trainer lists

Comment:

works

Student goes to the local Fitness Centers → Should bring up google maps with that Center selected

Comment:

works

Student clicks on activity to complete → Should bring up activity information and number

Comment:

Works but not all info is populated correctly

Student goes back to main page after deciding not to complete reps → Should go to main page again

Comment:

Works but not all info is populated correctly

Student Competes Activity → Points Should go back to main page and update their points

Comment:

Works but not all info is populated correctly

**End-to-end system tests:**

Student:

* Create Account
* Login
* Go to an activity
* Go back to main page
* Go to a separate activity
* Click do reps
* Go to Find Trainers
* Click the 2nd Trainer
* Go back to main page
* Go to Social
* Post a Comment
* Go back to main page
* Click on Leaderboards
* Go back to main page

Parent:

* Create Account
* Login
* Pay Subscription
* Go to Find Trainers
* Click the 4th Trainer
* Go back to main page
* Go to Social
* Post a Comment
* Go back to main page
* Click on Leaderboards
* Go back to main page

Trainer/Coach:

* Create Account
* Login
* Go to Find Trainers
* Click the 3nd Trainer
* Go back to main page

Regression Testing:

Regression testing is the act of ensuring that any additional changes added on later in development would be work and not disturb any other part of the system. Using Prioritization, we would want to determine whether the new part of the system being implemented would be used often or not, and whether the addition of this new feature would be interconnected with the system strongly or weakly. This would determine what prioritization of testing that part of the system will become. We will use the example of the addition of sponsors to the requirements change.

We would want to include all types of logins and account creations. We would do this to ensure that the user’s main page would still load properly. So from the Integration tests, we would want to ensure to include and emphasize the following tests:

Create Students Account → Should create user and take to that users main page

Create Parents Account → Should create user and take to that users main page

Create Coach/Trainer Account → Should create user and take to that Users main page

Login as Student → Should take to Student page w/ that users information

Login as Parent → Should take to Parent page w/ that users information

Login as Coach/Trainer → Should take to Coach/Trainer main page w/ that users information

Since the main page is really where most of the information processing is made, we want to ensure that any additions to the project will not harm these essential tasks. As we add in new features to implement the addition of sponsors, we want to ensure that these tasks still work, and since adding sponsors will change small aspects of this task. This ensure that the core aspects of these functions are not ruined by the addition of adding sponsors to the integrity of the program itself.