

Math Whiz-ard

Test Plans

- Describe how at least 3 features within your finished product will be tested.
- The test plans should include specific test cases (user acceptance test cases) that describe the data and the user activity that will be executed in order to verify proper functionality of the feature.

We should be testing the three features:

- Interactive Math Page
 - Test each page with a preset list of answers that will be a mix of valid and invalid entries. We'll use different ways to indicate negative symbols, as well as entering a solution as the problem itself (ex: $10 + 5 = '10+5'$ vs $10 + 5 = 15$).
- Login/register
 - We will test the login/register pages by making a list of made up emails, names, and passwords. Some of these will be valid and some will be invalid. We will try to login/register with invalid and valid info. Valid Email Checker (potentially).
- Score tabulation
 - We will check to see if the scores are matched or added correctly in the right column values.

User Acceptance Tests: Copy of UAT plans for at least 3 features.

- Interactive math page
 - We will test answers for each page by inputting correct solutions, incorrect solutions, correct solutions, but incorrect signs, different ways to indicate negative symbols, as well as entering a solution as the problem itself (ex: $10 + 5 = '10+5'$ vs $10 + 5 = 15$)
 - We will test that valid answers are inputted as well, such as inputting and making sure there are no letters or symbols
- Login/register
 - Register
 - We will test this by having a user input strings into the email field that don't contain the '@' symbol or a '.', strings that have one of the two, and strings that have both to ensure that valid emails are being inputted
 - We will also test this by having a user input strings in the full name field containing numbers and symbols to make sure that it is a name being inputted and not an email or string with numbers.

- To make sure that the user email is unique we will try inputting the same email twice in a row and calling the database to compare the inputted email with the emails already store in the database
- Login
 - We will test this by having a user input strings into the email field that don't contain the '@' symbol or a '.', strings that have one of the two, and strings that have both to ensure that valid emails are being inputted just like in the registration page
 - We will check that the page is correctly checking emails and passwords from the database by entering many different combinations of email addresses and passwords with neither correct, both correct, just correct email, just correct password, and more cases like correct email but password has an incorrect password and more like that
- Score tabulation
 - We will verify that scores are recorded correctly by manually recording scores for a user and verifying that the number correct and incorrect is being properly recorded

Individual Contributions: Screenshot of project management board and contributions from GitHub. (Project Board)

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1

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Insights

Log-In Feature 6 Jul – 17 Jul (6 issues)

0 0 0 Complete sprint

We want to first finish the home page, to determine where to apply the Log-In Feature.

A36-40 Create the Design layout of the GUI DONE

A36-41 Link each button to its respective links DONE

A36-42 Create Exception Handling TO DO JN

A36-43 Make sure to hash out passwords DONE

A36-45 Make requests to the server to check and compar... TO DO ZW

A36-54 Valid Email Check TO DO LP

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Insights

Sign-Up Form 17 Jun – 17 Jul (3 issues)

0 0 0 Start sprint

We want to create a Sign-Up Form like the one in the lab, to ensure that we are able to allow users to sign on to ...

A36-38 Add Exception Handling to ensure that the form is... TO DO JN

A36-52 Save data to SQL and Store it IN PROGRESS TW

A36-53 Valid Email Check Feature TO DO LP

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Insights

Progress Report Card 17 Jun – 17 Jul (3 issues)

0 0 0 Start sprint

This is a feature we will most likely leave for last.

A36-49 Save records of performance/grades into CSV via ... TO DO AO

A36-55 Get Table with Score TO DO ZW

A36-60 Make a Page for Score/Performance IN PROGRESS AO

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Adult Swim (Group 6) Git Submissions:

- Alex Ojemann
https://github.com/CSCI-3308-CU-Boulder/3308Summer21_300_6/commit/e4c2151d8682b653eedaac55f630ab6872e7ff65
- Jon Noranbrock
No Git Submissions
- Logan Park
https://github.com/CSCI-3308-CU-Boulder/3308Summer21_300_6/commit/e24431edbd9b1135807d26dfad7fe7c4c5fabd5d
- Tim Wilson
https://github.com/CSCI-3308-CU-Boulder/3308Summer21_300_6/commit/1791b1891eae9429dcf5651e544d42f8ef6885a4

Zach Wrubel

https://github.com/CSCI-3308-CU-Boulder/3308Summer21_300_6/commit/f76471afd6421b467718682bdc82cd515e2dc5f2