Haoyang Zhu
YiYang Jiang
ICS4U
Ms. Coderre

Math AF: Alpha Test

Pre-test information
- Simple login and register function allows access to website
- Website is a container for the application
- Currently under heavy development since main application is not yet complete and UI is simple with very little aesthetic design

Testing Tasks
- Register Function
- Login Function
- Navigation Between Home Page and Access Pages

Pre-Test Questions
1) Do you have any experience with online web tools?
2) How familiar are you with login/register systems?

Testing
1) Make an account
   a) Teacher account
   b) Student account
2) Log in with a user account
3) Toggle between "Homepage", "Questions", "Students", and "Quiz"
4) Test for security flaws
   a) Make an account with duplicate information
   b) Login with incorrect info

Notes

Tester	Test Process	Notes
Ms. Coderre (Project Supervisor)	Pre-test Questions	- Has a great deal of experience with online web tools - Is very familiar with login and register systems

		Testing: Registering accounts, Logging in and Navigating	● Ms. Coderre was able to sign up both a teacher account, login and navigate through the website without difficulty or confusion ● There was a slight issue with the understandability of the registering function since it does not specify that classes are unique to teachers and students must sign-up under an existing class code ● The function which prevents accounts with duplicate information worked perfectly since same emails were rejected with an error message
		Post Testing Questions	● The system did not have any obvious functionality bugs, however the inputs required were not specific enough to understand and could lead to confusion ● Navigation was simple and easy since all links were organized in a central location (at the top of the page) and everything was defined with text to guide the user ● The colour scheme is fine since it does not have high contrast and is professionally appealing ● The user interface was professional and simple to understand. Alignment on the navigation bar was very well done ● The sign out button should be moved to the other side of the navigation bar to reduce clutter and provide visibility ● There should be more than 1 email that is able to be registered since teachers will have many emails ● Invalid Registering should yield more specific error messages to indicate exactly what went wrong during the register

Post-Test Questions
1) Where there any bugs to the system (Visual, system)?
2) Could the user navigate their way through the website
3) Color scheme issues?
4) Was the user interface difficult to understand?
5) Are there any obvious security issues?

Severity Rating
Most of our program had an overall severity rating of 2, which meant it worked as planned, however there was a minor usability issue and a few cosmetic changes that could have been done:
- Sign in button should be placed away from the menu buttons so the user does not but could end up being a usability issue).
- The error messages should be more precise. (severity rating of 2, as it could affect how the user can solve their log in issues. More precise error messages will help the user figure out what is wrong with their inputs).
- When the teacher creates a new class code, students are not able to sign up with that class code. (severity rating of 4, if this problem is not fixed, students will not be able to register accounts as they would not have a class code).

Debrief
On monday, time should be set aside to fix the class registration problems. The other problems are very minor and should not take very long to fix as they are mostly cosmetic issues. Fixing the class registration should take around one to two days, which will set our schedule back slightly. However this time should be made up as the android app is no longer being created therefore no time would be needed to program the android UI.

The next step would be to begin coding some of the functionalities into the website such as having a calendar to display the days of the month and having personalized pages for different accounts.Right now, the colors used in the project is just black and white, which do not incorporate our principal color: blue. Plans have been made to create the main background of the website a very light shade of blue instead of a simple white.

In the new and updated Gantt chart, Monday and Tuesday of this week will be reassigned to testing and fixing issues outlined in our client tests. Since Ms.D has not been able to meet with us before the weekend due to marking midterm exams, the program after the debugging can be shown to her. If the android application was kept, then we would be behind schedule by around 2 to 3 weeks. However since the idea was scrapped, we are ahead of schedule by 1 week.

Gantt Chart

	Week					
	20-Apr	21-Apr	22-Apr	23-Apr	24-Apr	25-Apr
Team Assignment						
Learning HTML						
Coding website UI						
Testing/debugging						
Team Assignment						
Learning databases						
Coding Database						
Fixing issues	░ (yellow)	░ (yellow)				
Database syncing			░ (blue)	░ (blue)	░ (blue)	
Team Assignment						░ (yellow)
Coding android app UI						
Feature: quiz						
Feature: practice						
Feature: competitive						
Final Testing/debugging						
Implementation and integration						
Prototype 1 finished						