

Milestone 5

Team: 111-2

Application Name: UpRight

Members: Aidan Baack, Adam Spiers, Jaykob Velasquez, Yicheng Yi, Nick Lescanic

Hangman Feature Test:

Hangman game will be loaded repeatedly and played through to completion 20 times. A stopwatch will be used to ensure that time elapsed and score are being correctly calculated; game time elapsed and wrong answer total will be displayed in console for reference purposes. Puzzle solutions will be written down to ensure there are no repeats, and that the puzzle display is being correctly populated. Buttons that have been disabled will be pressed again to ensure they have actually been disabled. The letters left in the puzzle unguessed will be displayed in the console along with the puzzle solution for reference. Upon completion of each game, the database will be consulted to ensure that the score is being correctly updated.

Number	Acceptance Requirement	Critical		Test Result		Comments
		Yes	No	Accept	Reject	
1	Alarm Sound plays when game is loaded	X				
2	Incorrect guesses turn the letter red	X				
3	Correct guesses remain green	X				
4	Correct guesses populate puzzle blanks	X				
5	Guesses letter buttons are disabled	X				
6	When puzzle is complete, alarm sounds stops	X				
7	Puzzle completion triggers alert window with score	X				
8	Clicking button in alert window links to API Info Screen	X				
9	Score is added to user total score in database	X				

User API Page:

The user API page will be loaded repeatedly, and the on load features will be verified 3 times for 10 different users. This will verify acceptance requirements: 1 and 2. The zoom to full screen functionality will be tested for each API window for 10 different users. This will verify acceptance requirements: 3 and 4. The information within the API page will be verified based on date, time, and accuracy (where applicable) multiple times over the span of a full week. This will verify acceptance requirement: 6. The “play another game link” will be tested for 10 different users to verify its functionality. Throughout the testing process the fluidity of scrolling and navigation will be examined and improved if needed. This will verify acceptance requirements: 5 and 7.

Number	Acceptance Requirement	Critical		Test Result		Comments
		Yes	No	Accept	Reject	
1	API Page formats properly on load	X				
2	API Page displays correct APIs for user	X				
3	User can access zoomed view	X				
4	User can exit zoomed view	X				
5	User can navigate to play another game	X				
6	APIs display expected information	X				
7	Fluid scrolling and navigation		X			

User Registration and Settings:

A JS script will be written using Mocha and Chai to test the registration of a user and updating of their information. The script will begin by creating a new user which will have snooze settings of 10 minutes and at least two APIs selected as preferences. A request will then be made for this user's information to examine if it matches the information that was input during registration. Additionally, another request will be made to update the snooze time, password, and API selection for the given user. The user's information will then be requested again after logging in with the new password, and the script will examine if these match.

Outside of the script, the implementation of user registration and updating information will be tested on the website by manually creating a new user through the registration page and then updating the settings. After this, a request will be made to the server to check that the user's information matches what occurred through the web page.

Number	Acceptance Requirement	Critical		Test Result		Comments
		Yes	No	Accept	Reject	
1	User information in the database stored after registration matches the input name and email	X				
2	User information in the database stored after registration matches the input snooze time	X				
3	User information in the database stored after registration matches the input API selections	X				
4	After changing the password in the settings page, the new password can be used to login as the user	X				
5	After changing the password in the settings page, the old password can no longer be used to login as the user	X				
6	After updating the snooze settings, the user information in the database reflects the update	X				
7	After updating the API selections, the user information in the database reflects the update	X				
8	The password, snooze, and API selections can be separately updated without requiring all three selected	X				

Alarm Feature Test:

Multiple times will be set for which the alarm will go off. We'll also test if each time can be reset. The following three buttons will redirect the user to their respective page (scoreboard, snooze, api). Lastly, we'll test the snooze feature by running the alarm the different snooze times.

Number	Acceptance Requirement	Critical		Test Result		Comments
		Yes	No	Accept	Reject	
1	Sound plays when current time matches set time	X				
2	Displays the current time	X				
3	Dropdown menus have only valid times		X			
4	Scoreboard button redirects to scoreboard page		X			
5	Snooze button redirects to snooze page		X			
6	Api button redirects to api page		X			
7	Alarm goes off after each snooze time	X				