Team Number: 109 - 2
Team Name: Pending…
Team Members: Ben Dumois, Tianwei Zhao, Drew McFaul, Alexis Acevedo, Mingyuan Lu

Project Milestone 5

https://sreeshanath.github.io/Spring%202020/Project%20Milestones/Project%20Milestone%205/index.html

Test Plans:

❖ *Feature 1 Lesson Plan*

Test Case: Check if lessons run properly
➢ Procedure: Choose a lesson from an available list of lessons
➢ Expected Output: Lesson should load and be prepared to run.

Test Case: Check if lesson accurately checks solutions to given lessons
➢ Procedure: Select a lesson, input correct answers to lesson in correct location (likely using tool to get generate solutions of varying degrees of accuracy)
➢ Expected Output: There should be a message displaying degree of accuracy depending on input.

❖ *Feature 2 Morse Translator*

Test Case: Check if translator throws error on invalid characters.
➢ Procedure: The user inputs characters that are not Latin-script alphabet characters, Arabic numerals, or "." "?," "/," or "," and tries to translate.
➢ Expected Output: There should be an error messaging saying invalid characters were entered.

Test Case: Check if translator throws error on excessively long strings.
➢ Procedure: The user inputs an incredibly long sequence of characters and tries to translate.
➢ Expected Output: There should be an error message saying the message length is too long.

Test Case: Check if input is sanitized.
➢ Procedure: The user inputs code and tries to translate.
➢ Expected Output: If the input is otherwise valid, it should be translated normally and not executed as code. Else, the other cases apply.

❖ *Feature 3 Settings*

Test Case: Check if duplicate email throws error
➢ Procedure: The user should make an account in the sign-up page. Then once they are logged in, go to the sign up page and try making another account with the same credentials.

Project Milestone 5

➢ Expected Output: There should be an invalid alert that the email is already being used.

❖ *Feature 4 Scoreboard*

Test Case: Check if scoreboard updates automatically after completing a lesson.

➢ Procedure: The user should complete a lesson and then check the scoreboard. The user will do this 5 more times. For one lesson the user should input incorrect answers. For example if they are on the character "g" they should input multiple incorrect answers.

➢ Expected Output: After every lesson completed the scoreboard should update accordingly. For example, the number of lessons taken should increase and their worst character should also change to the character which they intentionally inputted incorrectly.