

Test Plan

Summarized discussion.

Ankit and Shanmukha recommended testing the game's compatibility with various web browsers to ensure consistent performance across different platforms and emphasized the importance of testing the game's responsiveness to ensure a seamless user experience across different screen sizes.

List of requirements:

- Hardware: any Hardware that has access to the internet, able to use an internet browser, and a pointing device like a mouse or touch screen
- Software: Has internet access and internet browser installed Automation of testing instructions

List the testing tools you use:

- ○ PyTest (pip install pytest)

Test cases and time for testing the features:

| Feature | Description | Test Case (s) | Expected Result | Expected Time | Actual Test Result |
|------------|---|-----------------|---------------------------------------|---------------|--------------------|
| Login Page | Test the login and validate whether the login works as expected or not | Click on login | Should be able to login successfully | < 1 min | |
| Logout | Test the logout and validate whether the login works as expected or not | Click on logout | Should be able to logout successfully | < 1 min | |
| Game Page | Check Game Page loads or not | Load game page | Should be able to play the game | < 1 min | |

Test cases and time for testing the features:

| | | | | | |
|------------------|---|--------------------------|--|---------|--|
| Difficulty level | Check if the user can select difficulty level | Check difficulty level | Able to see the desired difficulty in the game | < 1 min | |
| Color/uncolor | User should be. able to color the boxes and change the color. | Check colors are working | Able to set /unset the color | < 1 min | |
| Exit game | Exit the game and go back to landing page | exit the game | Able to exit the game anytime | < 1 min | |
| reset game | reset the game back to starting state | Reset the colors | Able to reset the colored boxes | <1 min | |
| Display Solution | User can view the solution after the timer runs out | View solution | Able to view the solution | <1 min | |
| Timer | User should be able to see a timer when the game starts | timer | Timer should not stop unless the user exits | <1min | |
| User scores | Display last 5 user scores after each game | Store and display scores | User should be able to see the recent 5 scores | <1min | |