

# Browser Testing Protocols

## 1. Key Functionality Testing

### a. Journaling feature

- i. Test if the users are able to put their input in the form and if the form is responding to the input.
- ii. Test if the users are able to do the above on their mobile.
- iii. Test if users are able to do this with various non-mobile screen sizes – tablets, smaller laptops, large desktops.
- iv. Test if the users are able to submit their input after they hit the submit button.
- v. Test if the users are able to do the above on their mobile.
- vi. Test if users are able to do this with various non-mobile screen sizes – tablets, smaller laptops, large desktops.

### b. Questionnaire feature

- i. Test if the users are able to choose each option and submit the form.
- ii. Test if the form is responsive as the user finishes each one by one (it should be highlighted when the question is finished).
- iii. Test if users can still submit the questionnaire even if it's not entirely complete (design rationale: mental health is a very personal topic – users should not have to answer questions that they are uncomfortable with)

### c. Resource feature

- i. Test if every link in the resource page takes users to the correct place.
- ii. Test if the user is able to access the link on their mobile device.
- iii. Test if the user is able to know information about each link using a screen reader.

### d. Homepage

- i. Test to see if nav bar is appearing
- ii. Test to see if the two buttons that navigate to the journaling feature and questionnaire are functioning + navigate to the right page
- iii. Test to see if the youtube video is appearing and is clickable
- iv. Test if the audio is playing normally
- v. Test to see if the image on the about section is appearing
- vi. Test to see if the about section is present
- vii. Test to see if the quick stats and facts section is appearing

### e. Nav bar

- i. Test if every link on the nav bar directs users to the right location on each page with the nav bar
- ii. Test if navbar becomes hamburger menu for small screens
- iii. Test if hamburger menu opens and collapses properly

### f. Sign in

- i. Check if the user is able to sign in using google account or email
- ii. Check if the account is successfully created

## 2. Accessibility

- a. On mobile devices and smaller screens
  - i. Buttons are large enough to click
  - ii. Hamburger menu is present on the nav bar
  - iii. Words are readable and clear
  - iv. Videos are large and clickable
  - v. Images are large and viewable
  - vi. Users can scroll without accidentally clicking on elements – essentially there is enough room for them to scroll
- b. High color contrast between background, words, and various elements

### For resolving issues

- Prioritize features based on key functionality, degree of influence on other features, and whether or not it is part of the rubric requirements
  - For instance, the homepage feature not working would
  - Our priorities (in order)
    - Basic webapp structure
      - Routing
      - Firebase hosting (deployment and building issues, setting up accounts, etc.)
      - Compiling errors related to packages and other downloads
      - HTML, Index.js, Index.css
    - Rubric requirements
      - Accessibility
      - Responsiveness
      - Other key functionalities
    - Homepage and Navbar
    - Journaling
    - Questionnaire
    - Resources Page
- Method of resolving issues
  - Use developer tools on chrome/microsoft edge
  - Console.log to see where the issue might have occurred
  - Commenting out parts that could potentially be problematic and seeing how that changes the appearance
  - References the 340 textbook
  - Asking for help during office hours