**Final report**

**Introduction**

This report will describe the web application's development process as well as the features that will be offered to the user after it is finished. In addition, the report will look into how the website may be enhanced if I were given more development time.

1. **Site accessibility measures**

These are the four accessibility measures which we added in our site. Perceivable, operable, understandable and robustus. Site consist of proper navigation bar which is linked properly to the pages. User can easily go to home page or other using the navigation link. The site is properly adaptable and distinguishable. Design is properly readable and predictable. User can easily understand all about the content of site. My website's colour scheme and house style are grey, white, and black to comply with web accessibility rules. Users who are colour blind will be able to navigate the website without being confused.

Moreover, The site may be seen in any browser and is completely functional. Compatibility with present and future users, including assistive technologies, is maximised.

1. **How the site would be adapted for mobile phone use**

The goal of responsive web design is to make web pages that appear well on any device. If it were designed for mobile devices, it should automatically change for different screen sizes and viewports.

The **screen** of mobile phone is different from desktop, pc or laptop. The mobile phones are also available in different sizes. So, by applying different media queries for different screen sizes we can adjust the sizes, heights, widths and shapes of different elements and make them compatible according to the screen sizes. Import viewport meta tags such as:

<meta name="viewport" content="width=device-width, initial-scale=1.0">

Furthermore, Improving site loading time. Redesigning pop ups for mobile devices. Test your site using Google’s Mobile-Friendly tool. Make button size large enough to work on mobile. Use font sizes large and clear. Allow a way to switch to desktop view. Regularly perform mobile testing.

1. **Website Test**

Test plan

|  |  |  |  |
| --- | --- | --- | --- |
| **User Action** | **Desired Outcome** | **Actual Outcome** | **Comment** |
| Create account | When signup/login button at most right side of page is clicked a modal should popped up.  Upon entering their details and submitting, the user should receive a message from their browser indicating that they have been registered as a user. | When the ‘Sign up’ button was clicked a modal pop-up box appeared with appropriate data collection fields.    Once the details were entered and submitted, a message from the browser appeared indicating a new user had been registered. | Desired result has been achieved. |
| Login | When the ‘Login’ button on the top right-hand corner is clicked, a login pop-up box should appear with the appropriate fields for the user to enter their username and password. | When the ‘Login’ button was clicked a login pop-up box appeared as intended with the data collection fields for username and password.    Once logged in, there will be a button visible on the top right corner of page of “LOGOUT” | Desired result has been achieved. |
| Create a topic | Once “Logged In”, you will be able to see all the topics.  You also see a box on the left side of page where you can create a new topic. | On logged in you will see a topic page and also create new topic box. | Desired result has been achieved. |
| Create a claim | Once you clicked on any topic, list of all the posted claim should show on screen.  Besides this, there should be an option to create new claim | Once you clicked on any topic, list of all the posted claim showed show on screen.  Besides this, there was an option to create new claim | Desired result has been achieved. |
| Create a reply | Once you clicked on reply option of claim, list of all the posted replies to claim should show on screen.  Besides this, there should be an option to create new reply to claim. | Once you clicked on reply option of claim, list of all the posted replies to claim showed on screen. Besides this, there is an option to create new reply to claim. | Desired result has been achieved. |
| Create a reply to reply | Once you clicked on reply option of reply, list of all the posted replies to replies claim should show on screen.  Besides this, there should be an option to create new reply to reply. | Once you clicked on reply to reply option of claim, list of all the posted replies to claim showed on screen. Besides this, there is an option to create new reply to previous reply of claim. | Desired result has been achieved. |

1. **JavaScript frameworks**

Bootstrap is a free and open-source CSS framework for front-end development on the web. It includes CSS and JavaScript-based design templates, which would have been extremely helpful in the development of the web application because I could have used the built-in features to build the headers, navigation bar, slide bar, and search bar on my website.

Wrap all the body content in a container. Dividing layout according to the built-in rows and columns of bootstrap. Adjusting space or each row and column according to the screen size. There are total 12 column in a single row and a container can contain as much as possible rows and there can be as much as possible columns in each single row and so on… you can divide and make an attractive and responsive layout using these rows and columns. Can make texts responsive according to the screen sizes. Can make forms attractive and responsive according to screen sizes and layouts. Can make images responsive. Can add different background colours, font colors, etc. Can apply different borders responsively and design them according to desired layouts. Can add responsive cards. Can add pop up modals. Can make responsive menues. We can add much more features to make our site attractive and responsive at the same time as well.

.