

Description of Intended Additional Features

1. **Responsive Navigation Bar:**

- A navigation bar that adapts to various screen sizes, ensuring ease of access on both desktop and mobile devices. This feature improves the user experience by making it easy to navigate the website, regardless of the device being used. Links to all major sections of the website are included for comprehensive navigation.

2. **Local Storage:**

- Utilizes local storage to save user preferences and data, enhancing the user experience by retaining information across sessions. This is particularly useful for features like remembering login details or user settings, providing a more personalized and consistent user experience.

3. **Responsive Webpages:**

- All pages on the website are designed to be responsive, providing a seamless experience across different devices and screen sizes. This ensures that content is easily readable and accessible, whether the user is on a desktop, tablet, or smartphone.

4. **Functional Feedback Page:**

- A dedicated page for user feedback, allowing visitors to submit comments and suggestions. This increases interactivity and helps improve the website based on user input. Collecting feedback is crucial for understanding user needs and making data-driven improvements, which was missing from the last coursework.

5. **Search Bar and Filter Option:**

- A webpage dedicated to search bar that allows users to search for specific terms, with a filter option to refine search results and display only relevant information. This feature enhances usability by enabling users to quickly find the content they need.

6. **Functional Carousel:**

- An interactive carousel component that showcases images or content, with consistent sizing for all carousel items to maintain uniformity. Carousels are engaging and can highlight important information or promotions in a visually appealing manner.

7. **Contact Us Page:**

- A dedicated page providing contact information, including email addresses and phone numbers, with clickable links for direct communication. This feature makes it easy for users to get in touch, which is essential for customer service and support.

8. **Registration Page:**

- A page for user registration, capturing essential details and enabling user account creation. This feature is critical for building a user base and allowing users to access personalized features or content.
9. **Emergency Contact Page:**
- A page listing emergency contact numbers and emails, formatted for easy access and usability. This ensures that users can quickly find and use contact information in case of an emergency.
10. **Additional Pages:**
- More pages were added as per coursework requirements to increase interactivity and provide more comprehensive content.
11. **Improvement on Previous Webpages:**
- Enhancements include a responsive navigation bar, a separated stylesheet for ease of access, removal of non-functional pages, and overall improvements to make the website more engaging and user-friendly.

Evaluation of Implementation

Focus: The primary focus of the implementation was to enhance the interactivity and accessibility of the webpage. This was achieved by adding features that make navigation intuitive and ensuring compatibility with different devices.

Changes from Initial Design: The initial design envisioned a static webpage with basic navigation. During implementation, several interactive elements were added to enhance user experience:

- **Responsive Navigation Bar:** Improved usability on mobile devices by collapsing into a hamburger menu on smaller screens.
- **Local Storage:** Enhanced user experience by retaining user data across sessions.
- **Search Bar:** Added a refined filter function to make content easily searchable.
- **Feedback Page:** Collected user input to drive improvements.
- **Responsive Design:** Ensured content is accessible and readable on all devices.
- **Better Quality Pictures:** Improved visual appeal and clarity.
- **Code Optimization:** Removed redundant codes to enhance functionality and performance.

Justification for Changes: These changes were made to improve the overall user experience, making the website more engaging and user-friendly. The goal was to create a dynamic, interactive platform that adapts to user needs and preferences.

Responsiveness and Testing

Responsiveness: The website is highly responsive, adapting to different screen sizes and resolutions. Key responsive features include:

- **Flexible Navigation Bar:** Collapses into a hamburger menu on smaller screens for easy navigation.
- **Adaptive Webpages:** Adjust content layout based on the screen size to ensure readability.
- **Consistent Styling:** Maintains uniformity for interactive elements like carousels and feedback forms.

Testing: Responsiveness was tested using the following methods:

12. Developer Tools:

- Browser developer tools simulated different screen sizes and resolutions, allowing for thorough testing of the website's appearance and functionality on various devices.

13. Real Devices:

- The website was tested on actual devices with different screen sizes, including smartphones, tablets, and desktops, to ensure compatibility and responsiveness.

14. W3C Validator:

- The website's code was validated using the W3C Validator to ensure compliance with web standards. No errors were found, indicating robust code quality.

15. Accessibility Checker:

- WAVE: Evaluation tool were used to ensure the website is accessible to users with disabilities, making the website inclusive for all users. No colour contrast issues were detected either.

No significant errors were detected on the website. By combining these testing methods, we ensured that the website offers a seamless and accessible experience across all devices.

References:

- **ChatGPT:** Assistance with generating and refining written content in the webpage.
- **Canva:** Used for design and visual elements.