THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF SOFTWARE ENGINEERING
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
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EEI3346 - WEB APPLICATIONS DEVELOPMENT

MINI PROJECT

Welcome to "Light Up Your Life", a website dedicated to showcasing hobbies and interests, particularly coin collections.

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Problems:

- Identifying the most popular hobbies and interests.
- Project time management.
- Curating and organizing relevant resources and websites.
- Designing a user-friendly and proper interface.
- Ensuring website functionality across multiple devices and platforms.
  Constraints included limited resources and technical expertise.

Solution Approach:

- Conducted extensive research to identify the most popular hobbies and interests.
- Curated and organized relevant resources and websites based on popularity and user ratings.
- Designed a simple, clean, and intuitive interface that's easy to navigate.
- Used responsive web design to ensure optimal functionality across devices and platforms.
- Gant Chart and Timeline.

Architecture.

- Front-end: HTML, CSS, and JavaScript
- Library: JQuery
- Framework: VueJS (vuejs.org)
- connect with CDN command.
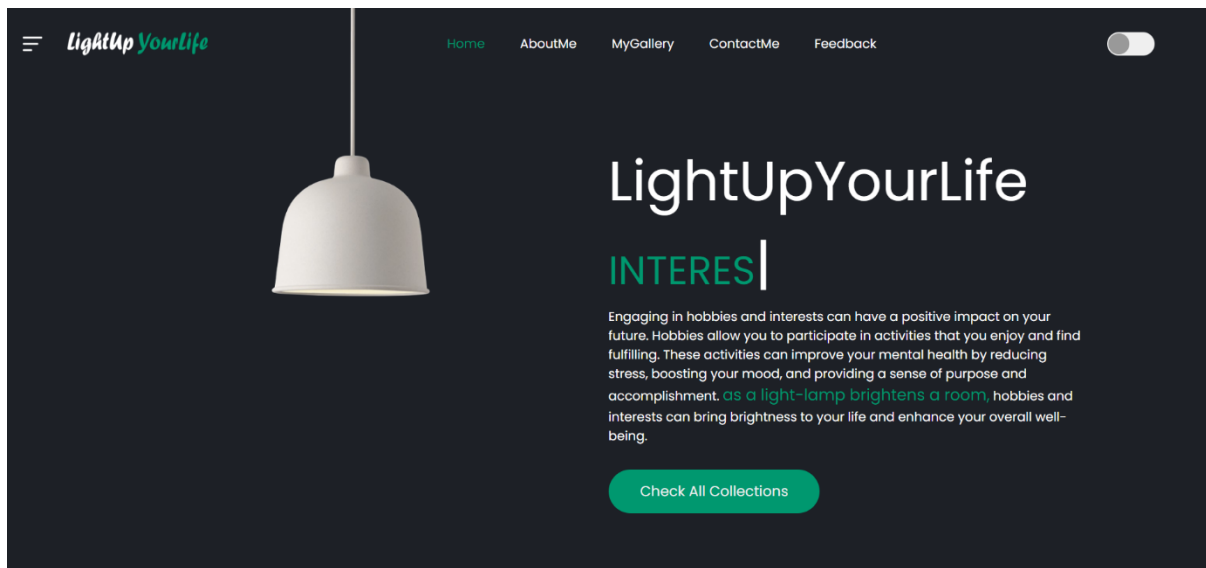- External resources: hobby and coin collecting websites.

Site Map:

- Home: Provides an overview of the website and its purpose.
- Contact Us: Allows users to get in touch with the website owner.
- Gallery: A collection of images related to hobbies, coin collecting and visiting places.
- Feedback Forum: Enables users to leave feedback and interact with other users using vuejs.
- About Us: Provides information about the website and its about website owner.

Used web technologies and examples:

- HTML5 for structuring content
- CSS3 for styling and layout
- JavaScript for interactivity and dynamic effects.
- JavaScript Library - Jquery.
- JavaScript Framework - vue.js

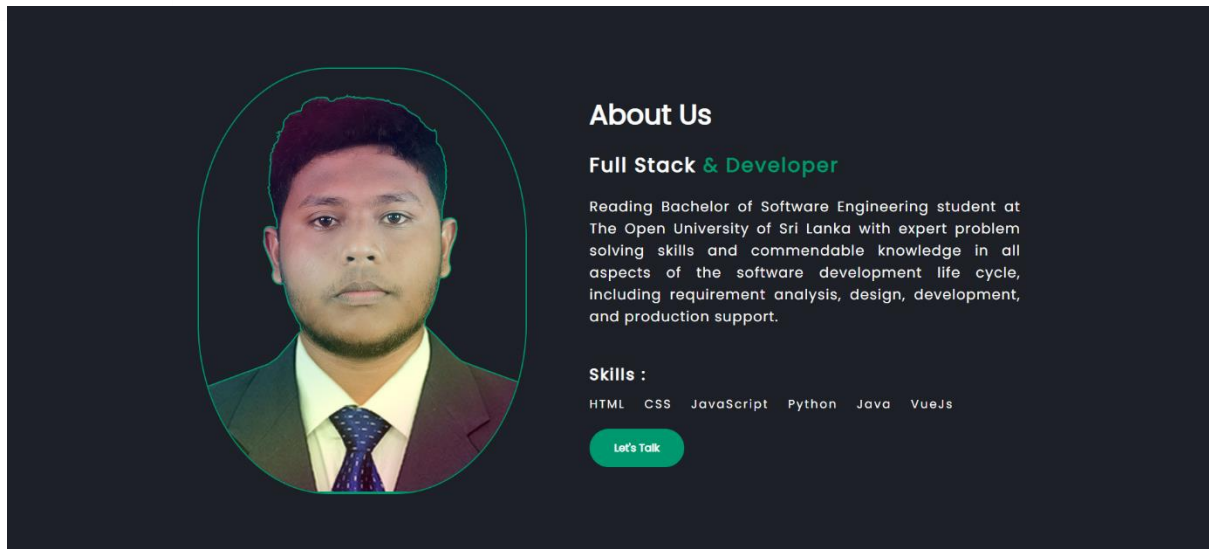Test Case 1: Navigate to the "ToggleButtonOFF" page and view Light off this page.

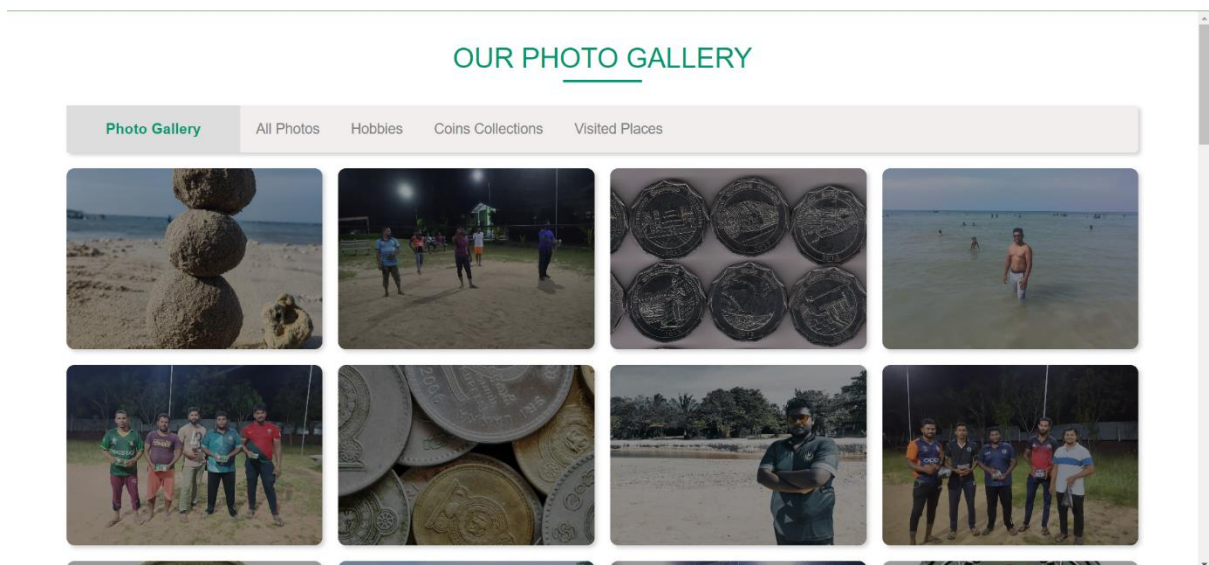Test case 2: Navigate to the "ToggleButtonOn" page and view LightOn.

Description: When user clicking on / off button it should be real time light on and off functions.

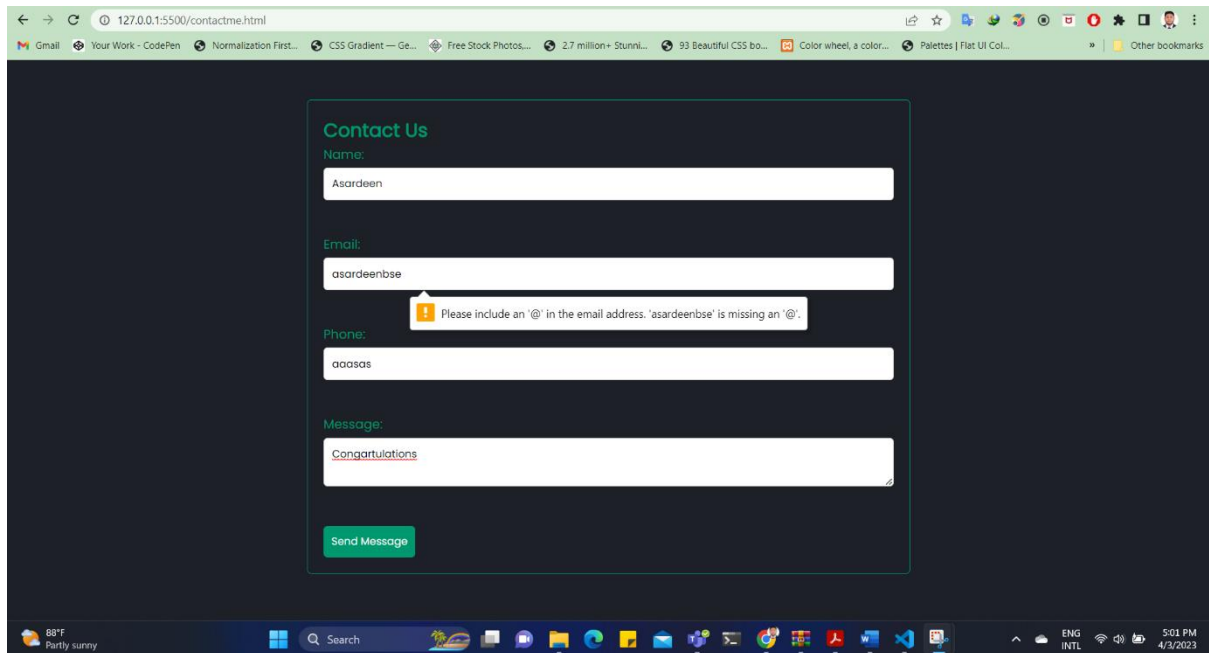Test case 3: Navigate to the "AboutMe" page and view about my Informations.

Description: When user clicking the about me link and that should be show my information's.

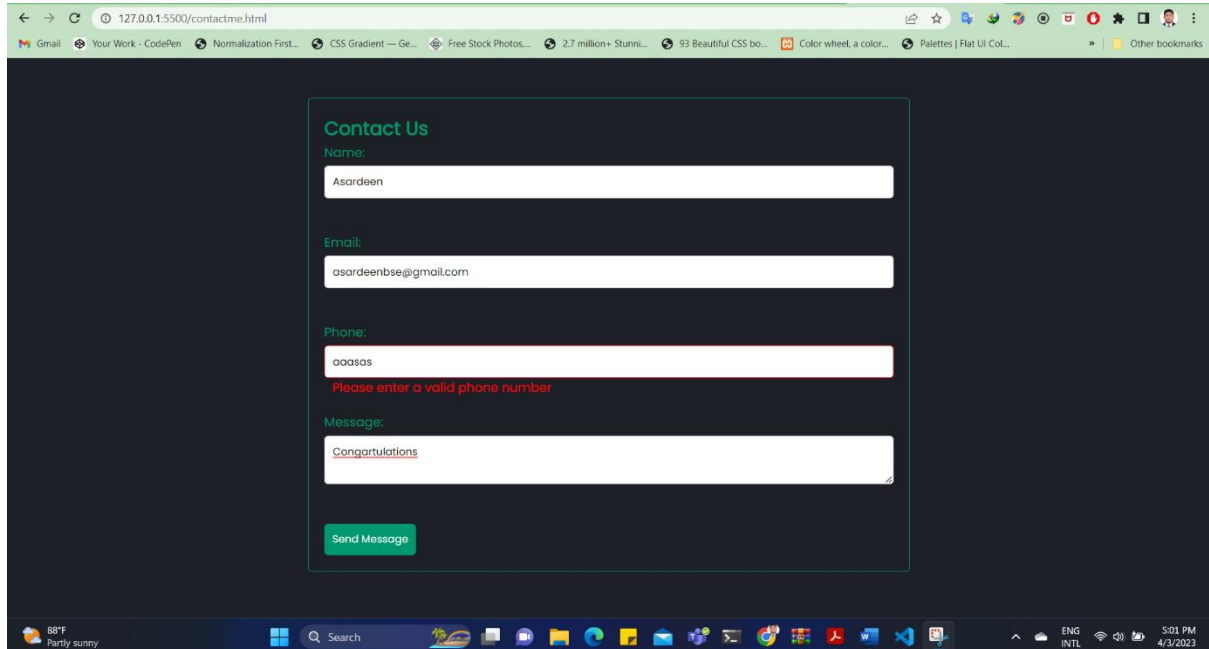Test case 4: Navigate to the "MyGallery" page and view a collection.

Description: When user clicking the MyGallery link and that should be show some collections.

Test case 5: Navigate to contact us and page show a Form and Validations.
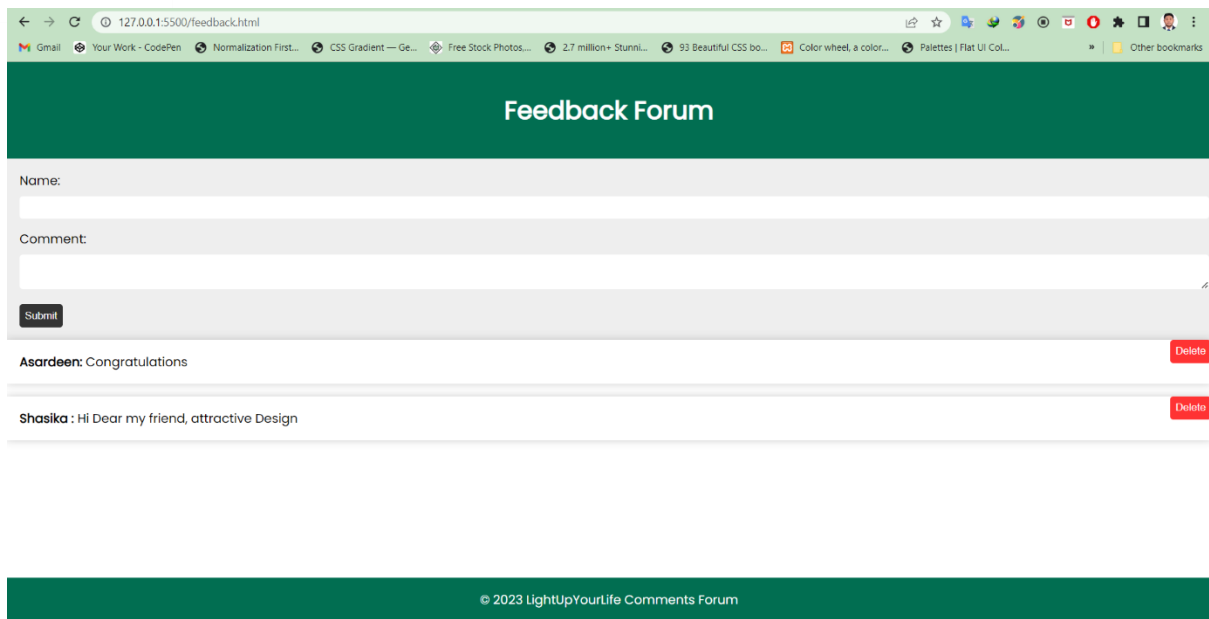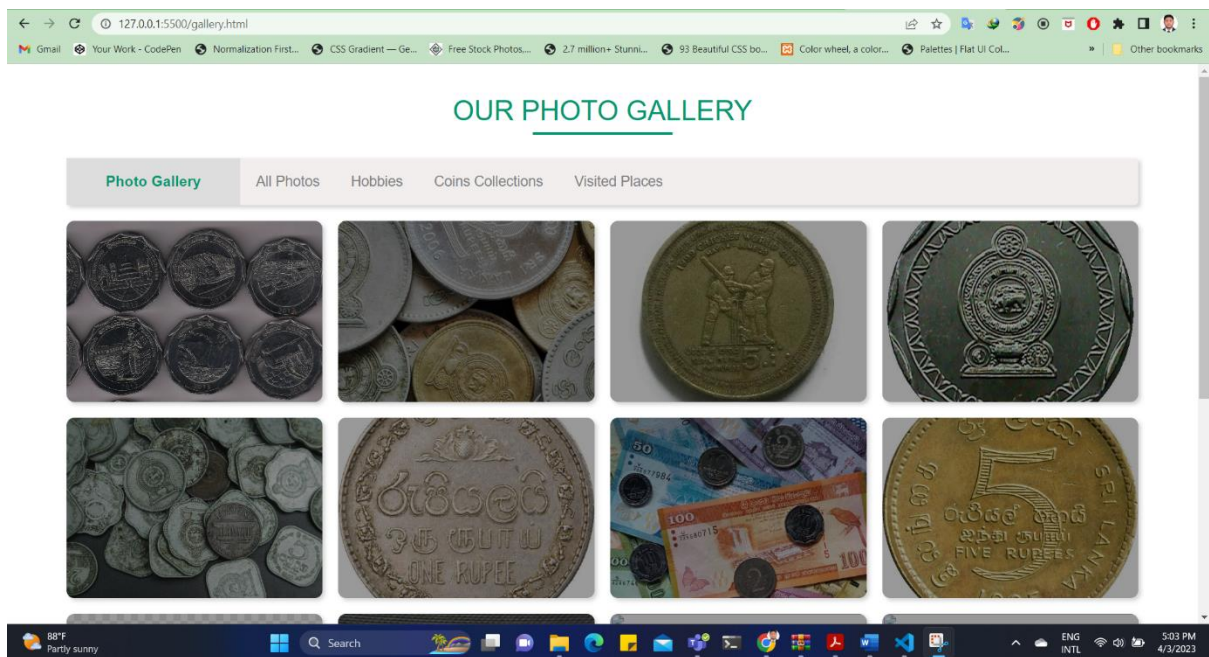

Caption 5.1: Email Validation check

Caption 5.2: Phone Number Validation check

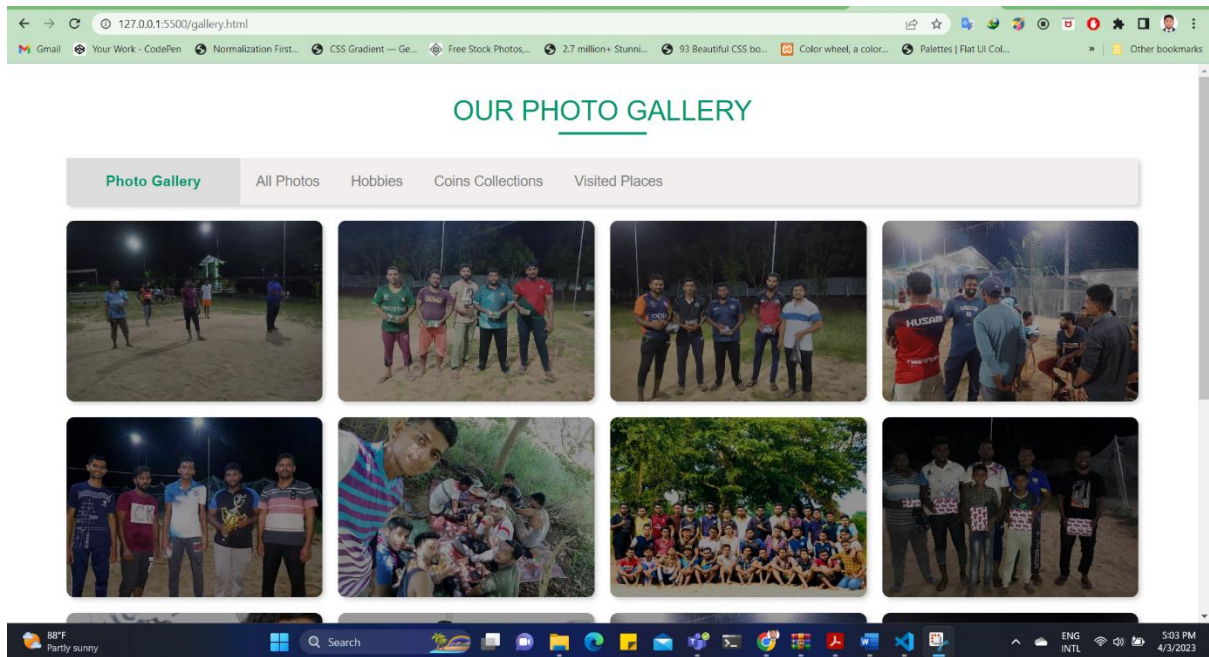Test case 6: Navigate to Feedback forum and page show feedbacks.

Description: users can be navigate this page and can give feedbacks and can be delete.

Test case 7: navigate to coins collections grid show some coins collections images.

Test case 8: navigate to Hobbies and grid show my hobbies images.

Conclusion:

The "lightUpYourLife" project aimed to develop a website centered around hobbies and interests, specifically coin collections. Throughout the development process, several sub-problems and constraints were identified, including designing an attractive and user-friendly front page, creating a gallery to display coin collections, integrating a feedback forum, and ensuring the website is compatible with different web technologies.

To address these sub-problems, a solution approach was developed that included the use of web technologies such as HTML, CSS, JavaScript and VueJs as well as the implementation of a responsive design for the website to ensure it can be accessed from different devices. Additionally, a user-friendly interface was created, which included a gallery page to showcase coin collections, a feedback forum for users to provide comments, and an about me page for users to learn more about the creator of the website.

To provide a visual representation of the website's structure and organization, a site map and an architectural diagram were created. Additionally, several web technologies were identified.

Finally, to ensure the functionality of the website, several test cases were conducted, including testing the gallery page, feedback forum, and contact page. Based on the test results, the website appears to be functioning as expected.

the "lightUpYourLife" project was successfully executed, with a clear solution approach to the identified sub-problems. The incorporation of visual aids such as the site map and architectural diagram and the use of various web technologies were impressive and added value to the project.