Bachelor of Software Engineering
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Department of Electrical and Computer Engineering
The Open University of Sri Lanka

EEI3346 – Web Application Development

Mini Project Documentation

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1.1 Problems

- Not enough details about tourism
- Has not got enough knowledge about vue.js
- Lack of ideas
- Not enough experience about site map
- Not much knowledge about CSS
- If some mistake happened in vue.js, it will break the whole output.
- Lack of pictures in some places (some photos are in low resolution)

1.2 Sub Problems

- Information about tourists destinations
- Vue.js output was not worked when the internet connection drop.
- Some difficulties when data entering
- it was a mess when vue.js and JavaScript were included in HTML
- some problems when implementing the same CSS into multiple pages.
- Some difficulties when finding the same size photos.

2. Solution Approach

- Got information about some tourists places from some other tourists websites.
- Studied vue.js & CSS using youtube videos.
- Some photos were edited using Adobe Photoshop.
- Used External CSS file for common CSS
- Some JavaScript and Vue.js Code added into external JS file.
- Downloaded Vue.js CDN file & linked it to the web page. Now vue.js used without internet.
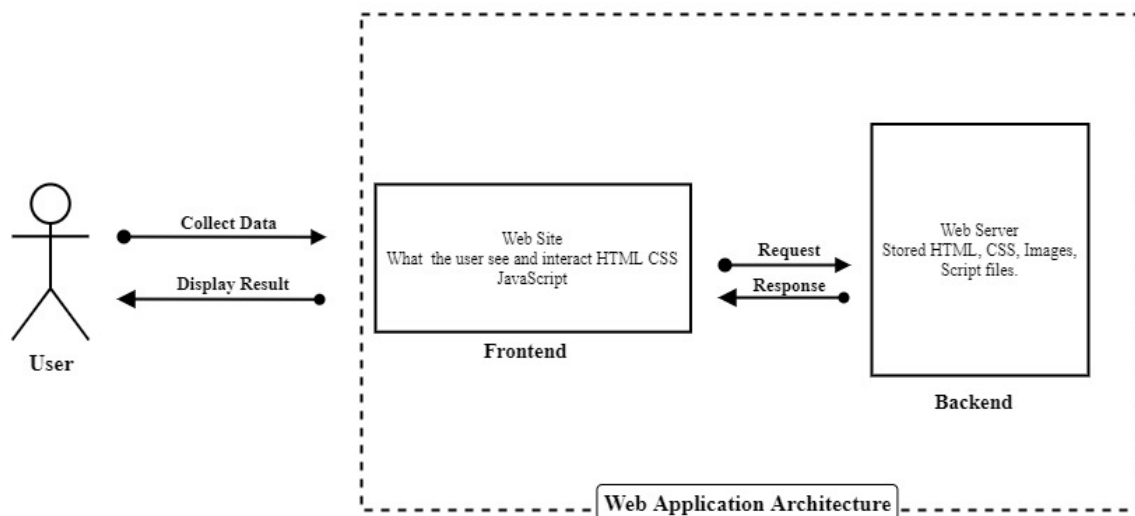
3. Architectural diagram of the system

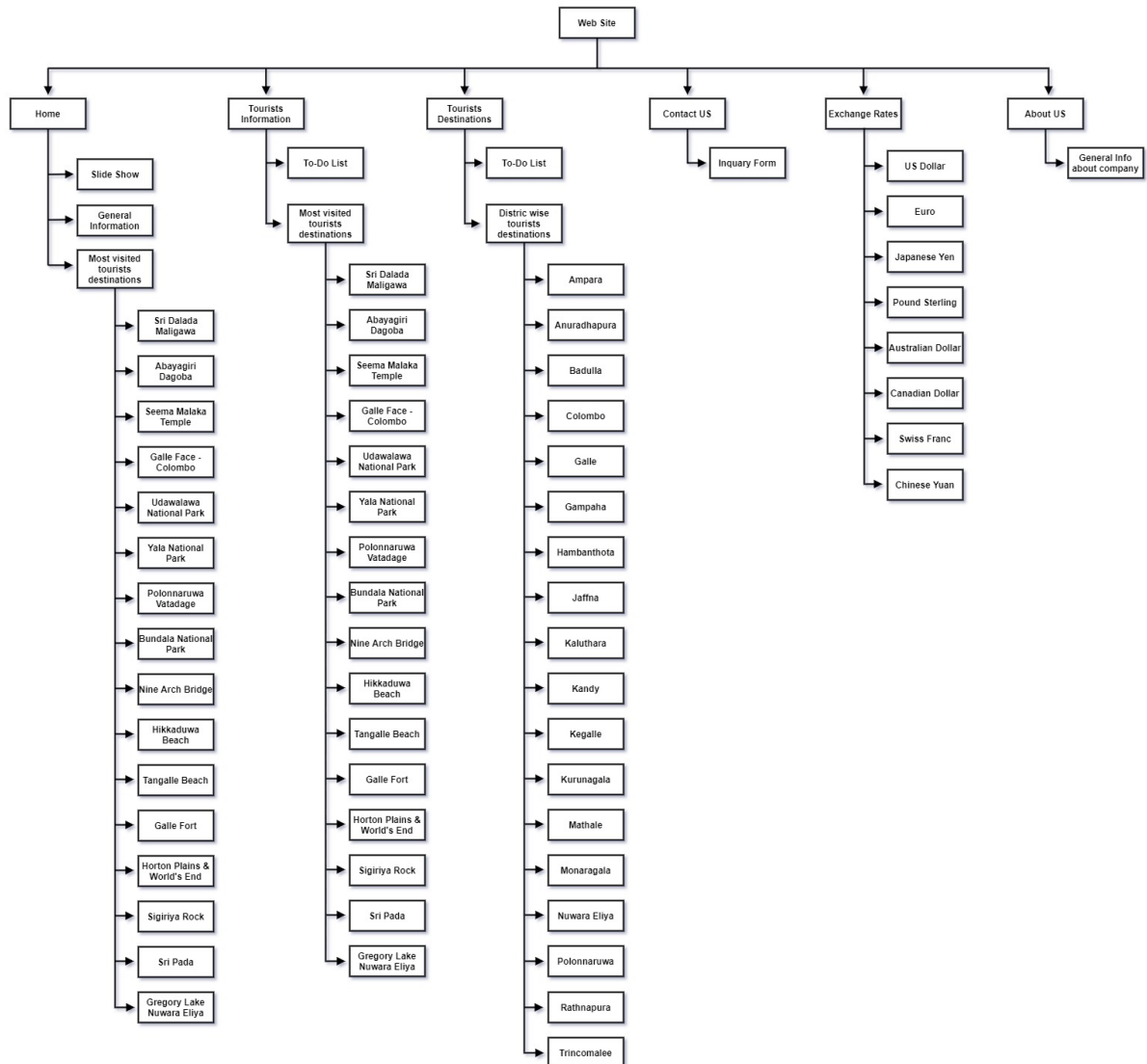Figure 1 Architectural Diagram of the System

4. Site Map

Figure 2 Site Map

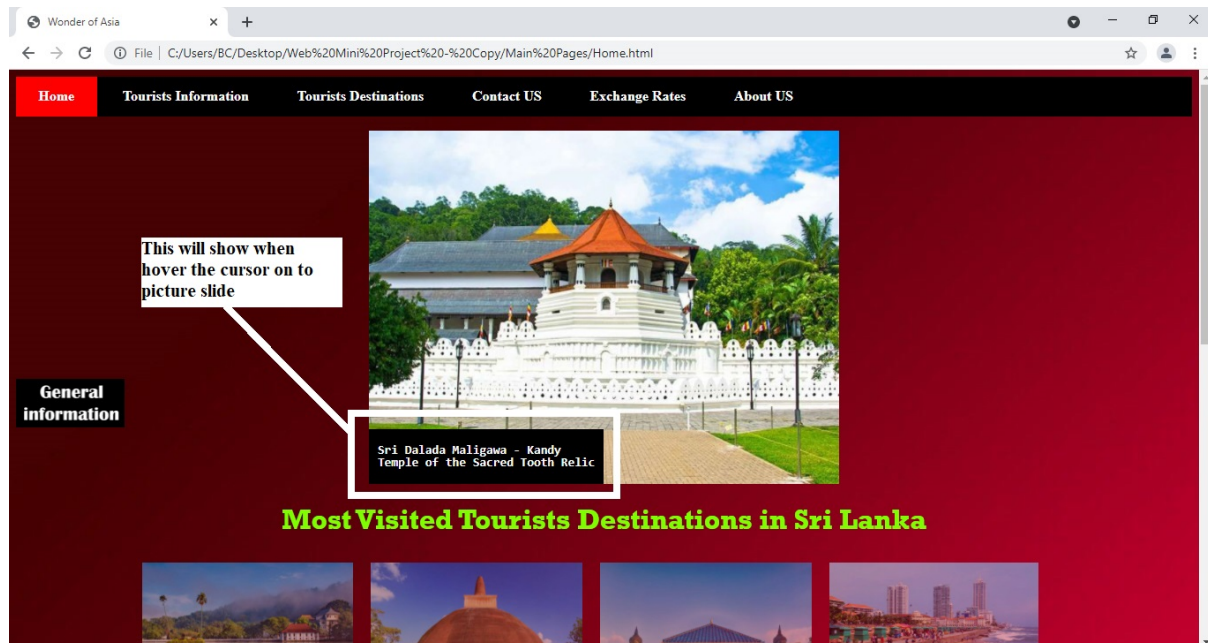## 5. Used web technologies and examples

JavaScript & CSS

Figure 3 Screenshot 1

There is a Photo Slide on the home page. When hovering this slide it will show some information about the current picture. Also, there is a button for general information. When a user clicks that button, it will show some general information about Sri Lanka. CSS & JavaScript have been used for those functions. (Figure 3)
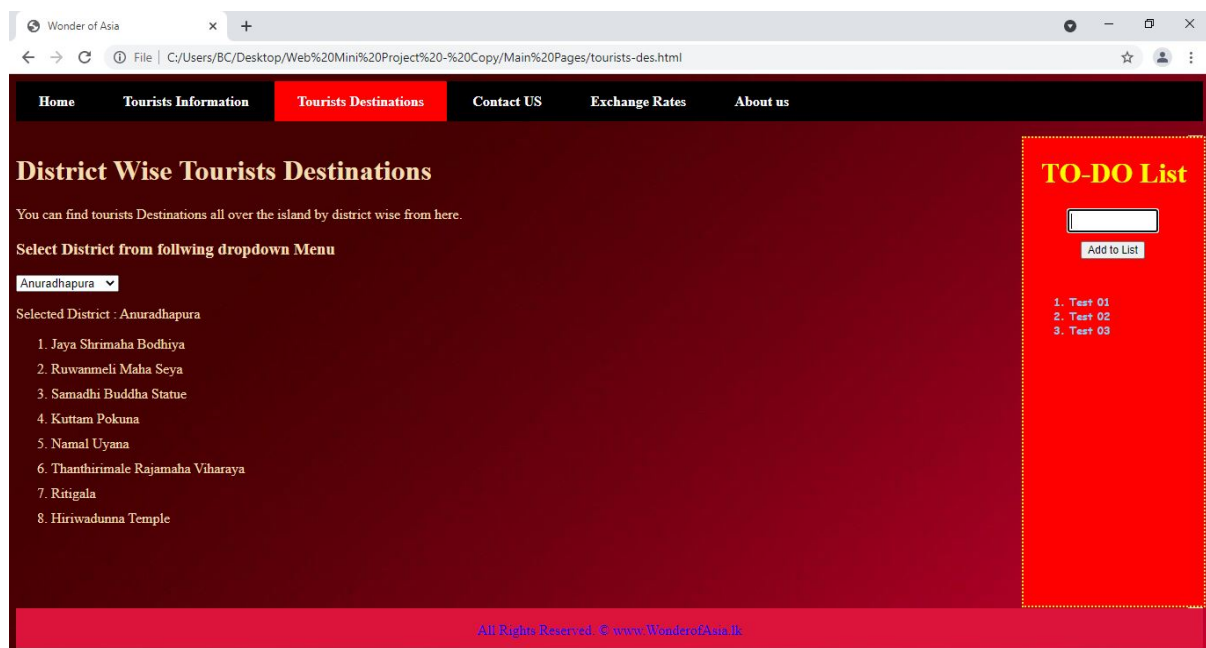
Vue.js & CSS

Figure 4 Screenshot 2

Users can select s district from the list. When the user selects a district, It will show tourists' destinations in that district. Also on this page, there is a to-do list. Users can add text to this. After entering text, the user can press the "Add to List" or Enter button to add something to this to-do list. Both of these used Vue.js. CSS has been used for positioning the To-do list. These are included in Tourists Destinations page. (Figure 4)
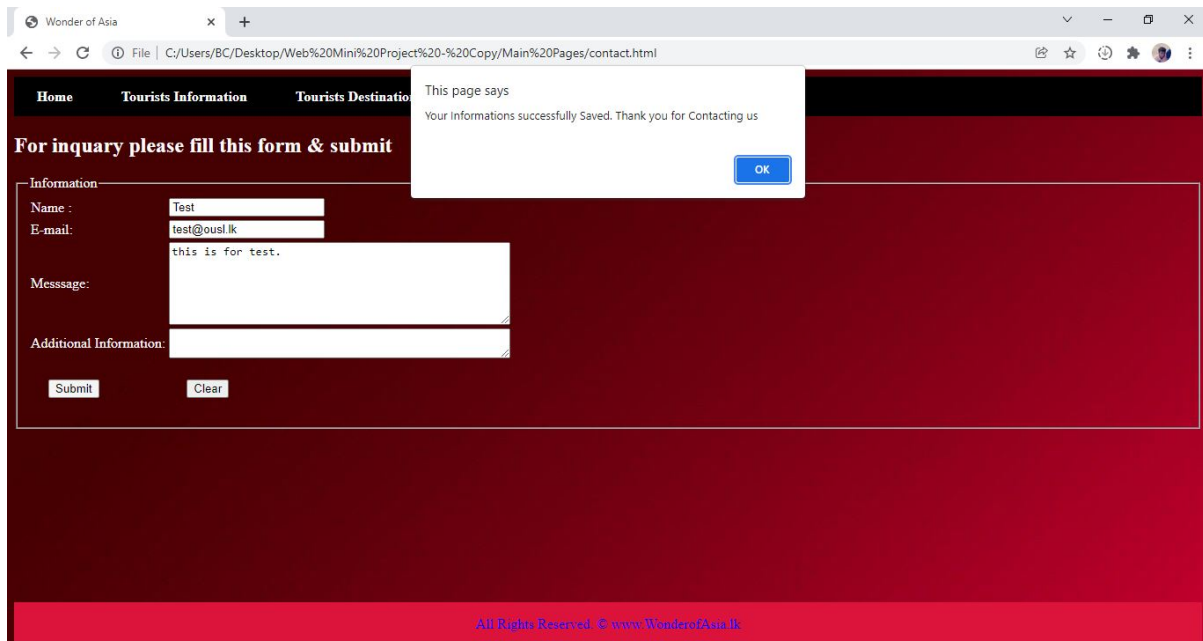
JavaScript & CSS

Figure 5 Screenshot 3

On the contact us web page, there is a form that can use to submit users' questions to the company. After submit it will show a message like this. If the user click submit button without adding the required information it will show an error message. These functions have been used JavaScript. (Figure 5)

JavaScript & CSS

Figure 6 Screenshot 4

On the exchange rates web page, there is a currency converter. Users can select a foreign currency from the list and get value for LKR by clicking calculate button. This function has been used JavaScript. This also gets an error when clicking without a value in the input field. If the user enters data other than numbers, it will give another error message. (Figure 6)

6. Test Results

Figure 7 Screenshot 5

In this picture, there are 6 items added to the To-do list. Users can any number of entries to this. If it exceeds page size, the user can scroll down to see items in the list. (Figure 7)

7. Conclusion

I was able to get strong knowledge about HTML, CSS, JavaScript, and Vue.JS Framework by doing this mini project.

also, I got some idea about how website planning, about web site theme & what are the main things that need to add to the website.

---- END of mini project Documentation ----