

INDIVIDUAL ASSIGNMENT

LANKA

COMP40004

WEB DEVELOPMENT AND OPERATING SYSTEMS-2

CF2261CS

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HAND OUT DATE: 2nd week

HAND IN DATE: ASSIGNMENT2: 10th June 2022

ASSIGNMENT3: 20th December 2022

WEIGHTAGE: ASSIGNMENT 2: 30% ASSIGNMENT 3: 30%

- 1 -

INSTRUCTION TO CANDIDATES:

- 1. Students are advised to underpin their answers with the use of references (cited using the Harvard Name System of Referencing).
- 2. Late submission will be awarded zero (0) unless Extenuating Circumstances (EC) are upheld.
- 3. Cases of plagiarism will be penalized
- 4. Assignment presentation should be submitted in the form of softcopy and hardcopy both; modeling work should be submitted in softcopy form

WDOS2 - Assignment 3

Introduction:

The tea museum page provides a Button as 'Book Now'. If a user clicks that button, the website should be redirected to a new ECMA Script application for booking train tours for the tea museum. This page mainly has three subsections as "Dates", "Guests" & "Duration". The 3 sections should be as follows:

Guests:

- o Full Name (required field)
- o Mobile Number (required field)
- o Email (required field)
- o Confirm Email (required field)
- o Gender (should be a drop-down menu and options are 'Male" and
- "Female", this is an optional field)
- o Ticket Category (required field)

Duration:

o Visitors should be able to select duration from a drop-down menu. Available o options are 3 hrs, ½ day and full day (default value is 3 hrs)• Users will be charged additional amount based on the selected duration.

Dates:

o Users should be able to select dates for his visit from an embedded calendar as follow

Functionality:

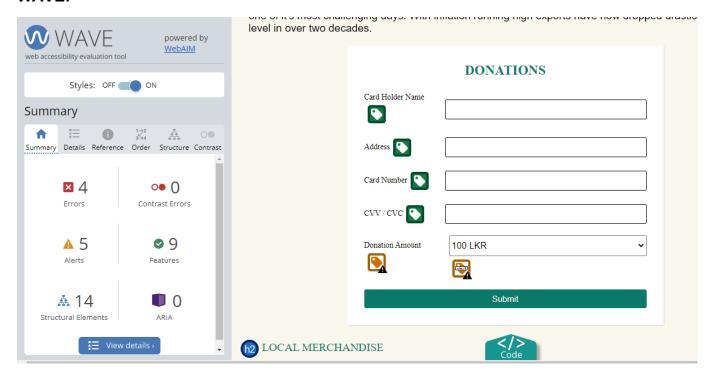
- o current order
- o cost of the current order
- o overall order
- o overall cost of the order

Donate feature in the Purchase & Donate page

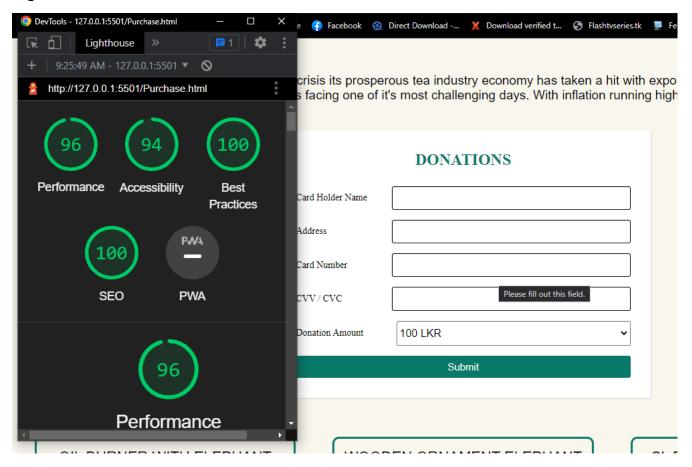
- o Provide a fix donation amounts to be selected by the user (100, 500, 1000,
- 2000, 5000 and 10000 LKR)
- o Provide UI controls to enter the name, address and credit card details
- o Upon submission generates a successfully donated message

Donate Form Page (Testing):

WAVE:

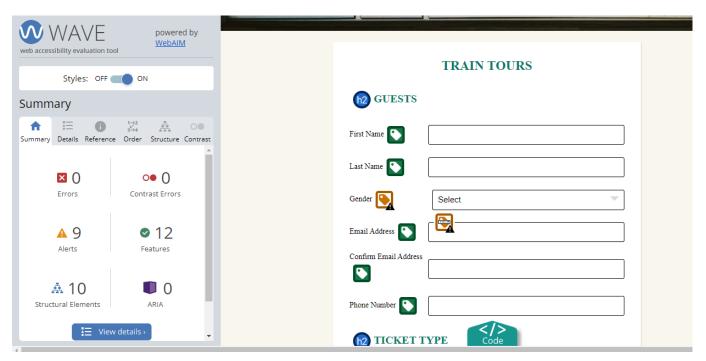


Lighthouse:

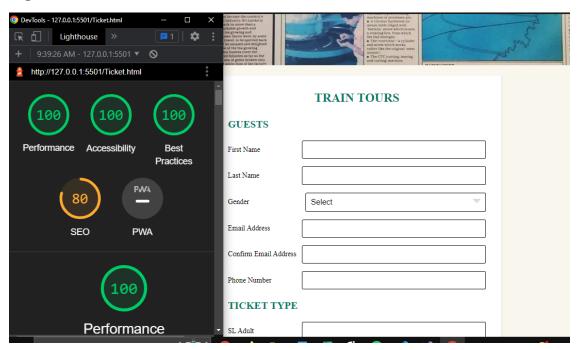


Ticket Booking Page (Testing):

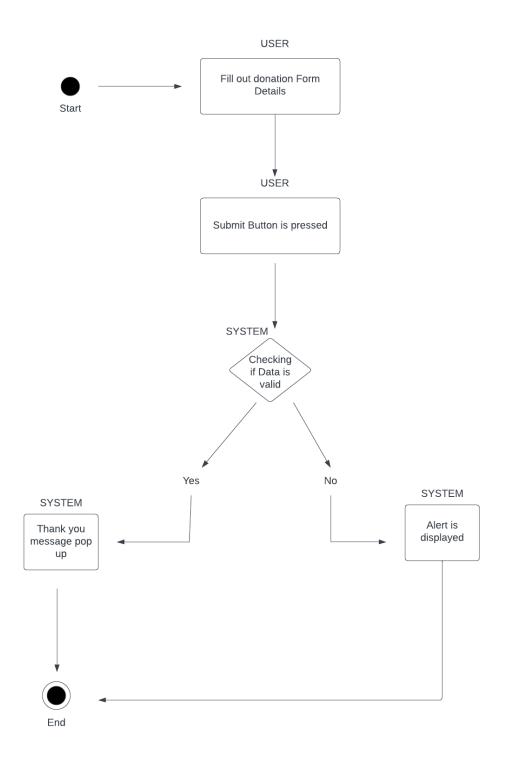
WAVE:



Lighthouse:

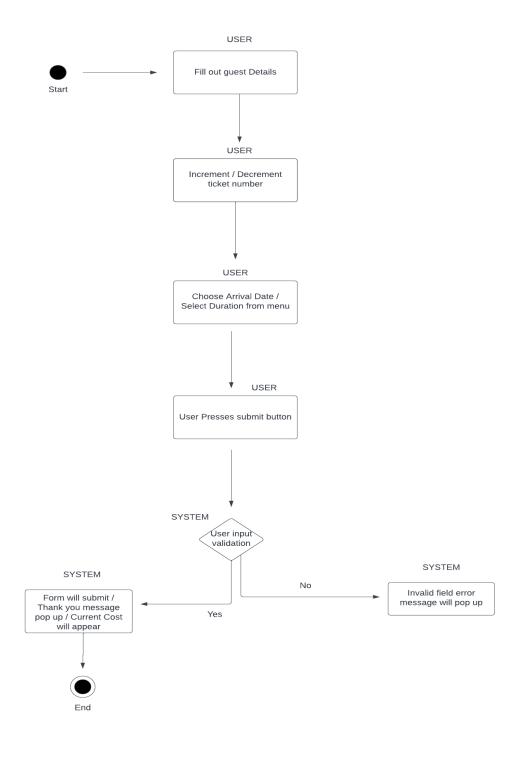


Activity Diagrams (Donate Page):

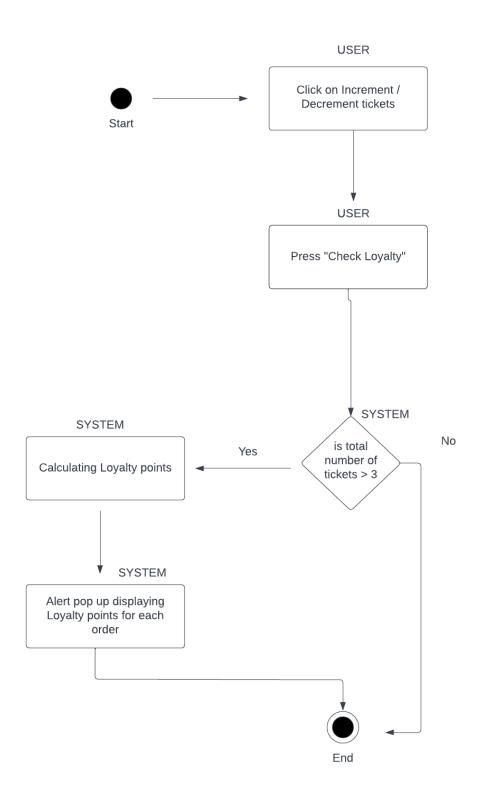


Activity Diagrams (Ticket Booking Page):

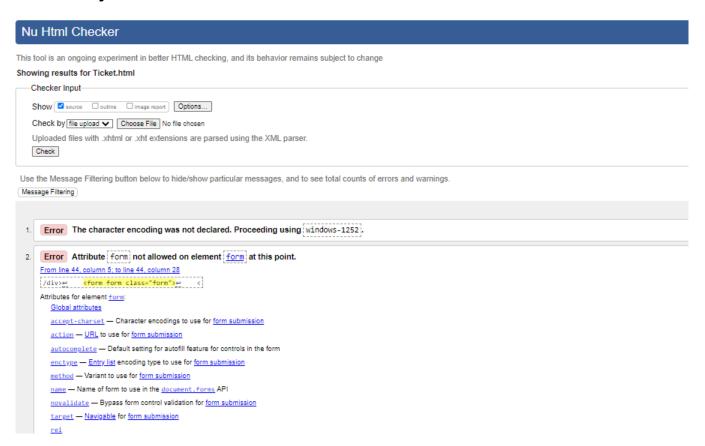
Calculate Ticket cost:



Calculate / Displaying Loyalty Points :



HTML Validity:



CSS Validity:



W3C CSS Validator results for ticket.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as CSS level 3 + SVG !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any pa add this icon to your Web page:



Conclusion:

The purchase and donate and ticket booking features have been tested and the results have been included in the document. The application's performance was improved during the testing by fixing minor errors to increase the efficiency of the web application. The ticket booking page was thoroughly tested to ensure reliability and functionality as well as to improve user experience throughout the booking process.