INDIVIDUAL ASSIGNMENT

LANKA

COMP40004

WEB DEVELOPMENT AND OPERATING SYSTEMS-2

CF2361COM SE CS

HAND OUT DATE: 2nd week

HAND IN DATE: ASSIGNMENT2: 22nd Sep 2023
ASSIGNMENT3: 8th Dec 2023

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

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**

Name: Sonali chethana Kodikara

CB number: CB010457

Semester- 2 WDOS

Introduction

We were tasked with creating a website about buying tickets to Hikkaduwa Turtle Hatchery. It contains four web pages like a ticket page, details page, payment page and finally confirmation page. And all web pages should have the same title and cover page.

Following the instructions in the exercise, I designed the ticketing page. It contains three subsections like arrival time, guest, and their required duration. In the date section, guests can only choose one date, and I've added a guest section that has five main categories. Each category can choose any number of tickets but cannot be negative. Therefore, I created it accordingly using java. As for the duration, I have designed it in such a way that the visitor can choose a few hours according to the given instructions. There is a table showing the prices of the tickets at the bottom of the website. Basically, I added a summary table where it shows all the details you entered the website. Additionally, I've updated the table that shows you the tickets you buy, and the total price based on hours and ticket type. Finally, there is a button that continues to the next page.

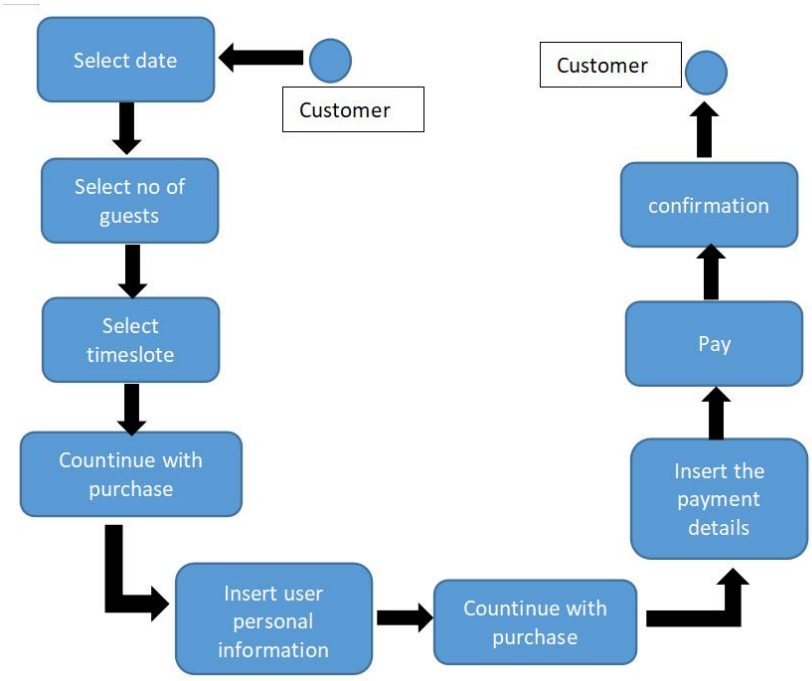
The second website is a detail page where visitors need to add their personal information. In the phone number entry, visitors can choose their country's flag and code. Following the instructions provided to us, I added validation to the form that all fields must be filled out before moving on to the next page. Also, I have created a dropdown button in the section where the visitor has to choose their gender. At the bottom of the page, it displays an updated summary table containing

details added by the visitor. Also, there is a button called "continue with purchase" that is linked to the next page.

Visitors must enter their payment information on a 3rd site. It asks for credit card details like name on card, expiration date, CVV, etc. There is also an updated summary at the bottom of this page. It has the same validation form as the previous pages. Finally, on the last page, I added a confirmation note as in the assignment entrusted to us. And it also contains the final summary table updated with all necessary details.

Below test tables are showing the results of my web pages about following aspects.

Activity table



1. HTML Validity

1st HTML page	Message Filtering
	1. **Error** Element `legend` not allowed as child of element `form` in this context. (Suppressing further errors from this subtree.)
	From line 27, column 9; to line 27, column 16
	`>↩ <legend>Your b`
	Contexts in which element legend may be used:
	As the first child of a `fieldset` element.
	Content model for element `form`:
	Flow content, but with no `form` element descendants.
	2. **Error** The element `a` must not appear as a descendant of the `button` element.
	From line 114, column 36; to line 114, column 58
	`nueBtn01"><a href="details.html"> Conti`
	3. **Error** End tag for `body` seen, but there were unclosed elements.
	From line 157, column 3; to line 157, column 9
	`script>↩ </body>↩</htm`
	4. **Error** Unclosed element `div`.
	From line 15, column 4; to line 15, column 26
	`<body>↩ <div class="stylepage">↩`

2nd HTML page	1. **Info** Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.
	From line 8, column 9; to line 8, column 121
	`>↩ <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/intl-tel-input/17.0.8/css/intlTelInput.css"/>↩`
	2. **Error** Saw a `form` start tag, but there was already an active `form` element. Nested forms are not allowed. Ignoring the tag.
	From line 35, column 11; to line 35, column 53
	`<form id="login" onsubmit="process(event)">↩`
	3. **Error** The element `a` must not appear as a descendant of the `button` element.
	From line 61, column 31; to line 61, column 53
	`nueBtn02"><a href="Payment.html"> Conti`
	4. **Error** End tag `section` seen, but there were open elements.
	From line 124, column 1; to line 124, column 10
	`62135</p>↩</section>↩ <sc`
	5. **Error** Unclosed element `div`.
	From line 122, column 4; to line 122, column 26
	`/div> ↩ <div class="copywrite"> ↩`

3rd HTML page	Message Filtering
	1. **Error** **Duplicate ID** `CreditCard`.
	From line 60, column 9; to line 60, column 45
	`>↩ <label id="CreditCard" class="lable">Name o`
	2. **Warning** **The first occurrence of ID** `CreditCard` **was here.**
	From line 28, column 9; to line 28, column 43
	`>↩ <label id="CreditCard" for="lable">Card n`
	3. **Error** **The element** `a` **must not appear as a descendant of the** `button` **element.**
	From line 65, column 31; to line 65, column 58
	`="submit"><a href="confirmation.html">Pay</a`
	4. **Error** **The value of the** `for` **attribute of the** `label` **element must be the ID of a non-hidden form control.**
	From line 28, column 9; to line 28, column 43
	`>↩ <label id="CreditCard" for="lable">Card n`

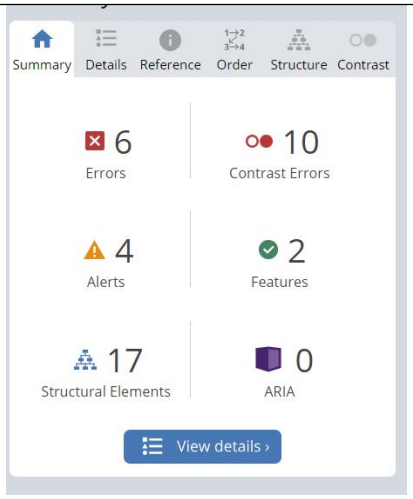
4th HTML page	**Document checking completed. No errors or warnings to show.** Used the HTML parser. Total execution time 9 milliseconds.

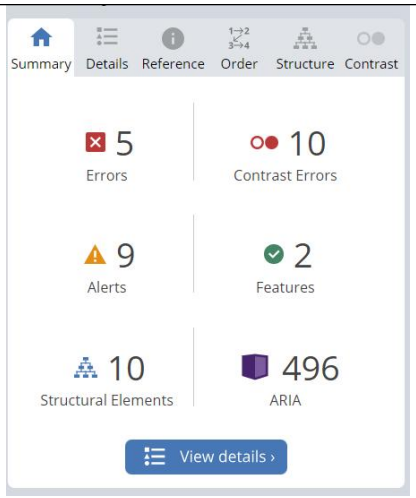
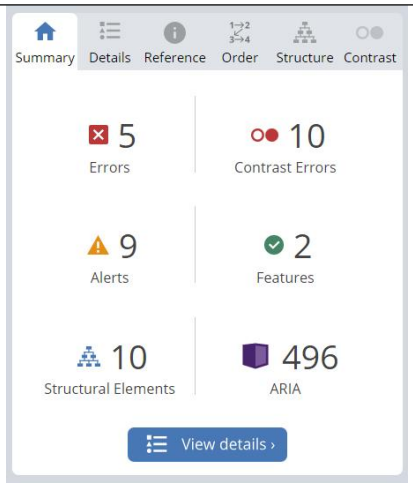
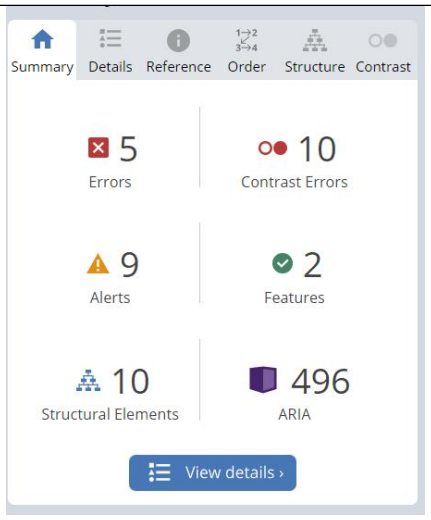
2. CSS Validity

1st Style page	W3C CSS Validator results for style.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 page that validates. Here is the XHTML you could use to add this icon to your Web page:
	`<p> <a href="http://jigsaw.w3.org/css-validator/check/referer"> <img style="border:0;width:88px;height:31px" src="http://jigsaw.w3.org/css-validator/images/vcss" alt="Valid CSS!" /> </a> </p>`
	`<p> <a href="http://jigsaw.w3.org/css-validator/check/referer"> <img style="border:0;width:88px;height:31px" src="http://jigsaw.w3.org/css-validator/images/vcss-blue" alt="Valid CSS!" /> </a> </p>`

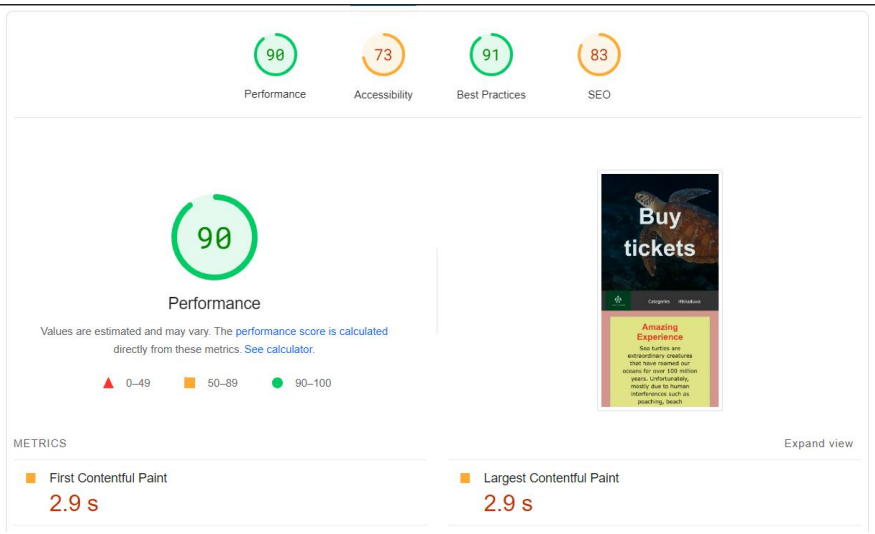
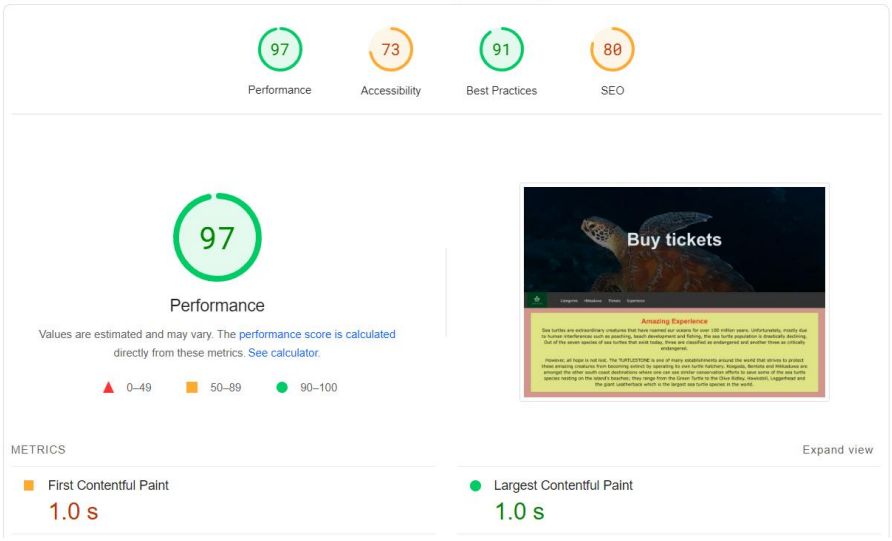
2nd Style page	W3C CSS Validator results for style2.css (CSS level 3 + SVG)
	Congratulations! No Error Found.
	This document validates as CSS level 3 + SVG !
	To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:
	`<p> <a href="http://jigsaw.w3.org/css-validator/check/referer"> <img style="border:0;width:88px;height:31px" src="http://jigsaw.w3.org/css-validator/images/vcss" alt="Valid CSS!" /> </a> </p>`
	`<p> <a href="http://jigsaw.w3.org/css-validator/check/referer"> <img style="border:0;width:88px;height:31px" src="http://jigsaw.w3.org/css-validator/images/vcss-blue" alt="Valid CSS!" /> </a> </p>`

3. Accessibility using WAVE

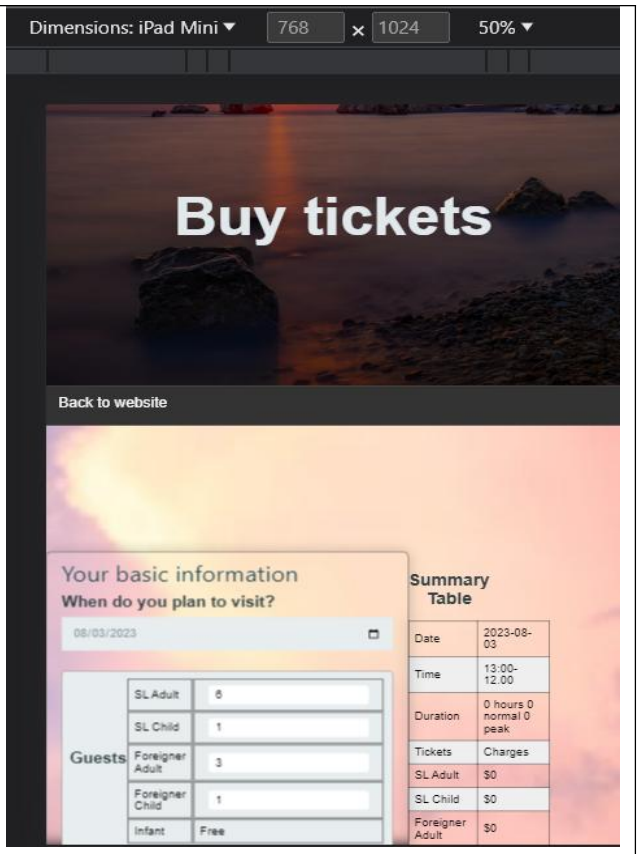
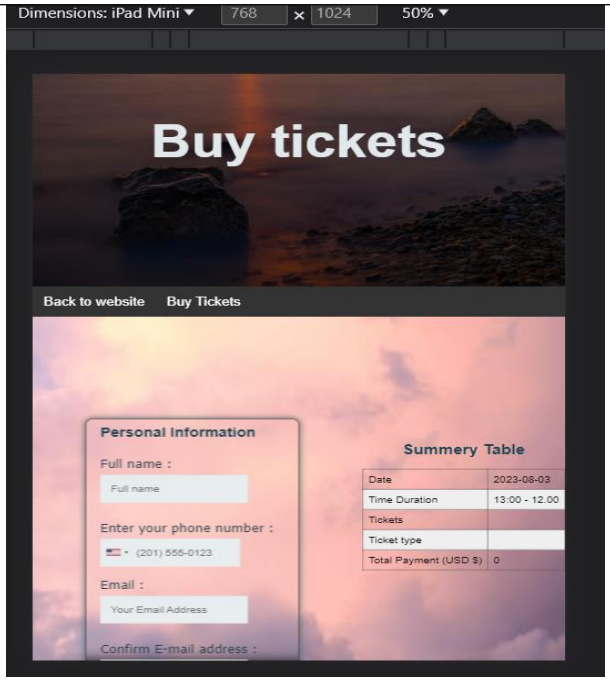
1st HTML page	

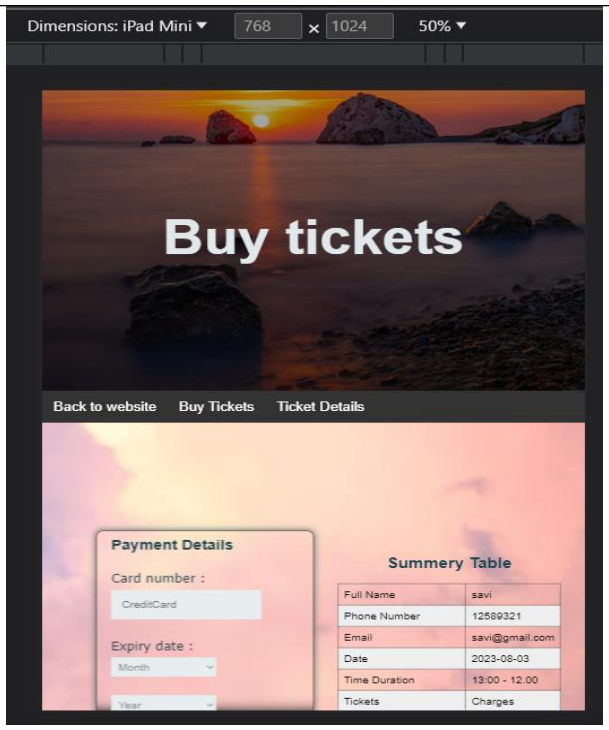
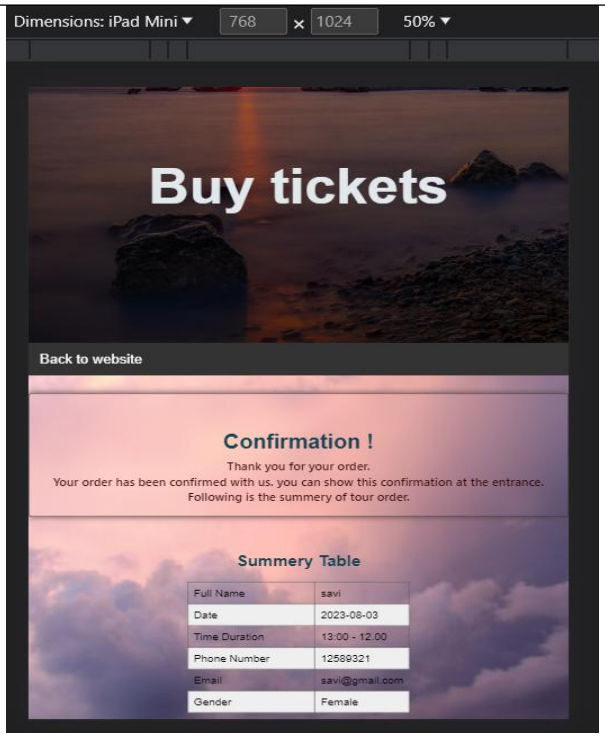
2nd HTML page	
3rd HTML page	
4th HTML page	

4. Lighthouse testing

Mobile view	
Desktop view	

5. Responsiveness on different devices and browsers

Ipad Mini (1st page)	
2nd page	

3rd page	
4th page	

Finally, according to the instructions given to us I design my web pages. I hope I covered all the requirement. And my assignment has contain four web pages, 2 CSS pages and 4 JavaScript pages. Also, in each page has the summery table that updated accordingly with all necessary details. I design my web pages according to my own design with necessary styles and images. Also, I added all my test results to the test table which is shown in the above pages.

Link : https://sonalichethana.github.io/buytickets/