INDIVIDUAL ASSIGNMENT

Module Code & Title:

COMP40004
Web Development and
Operating Systems - 02

Prepared By: Oshada Tharanath Perera (CB012024)

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Instructor / Lecturer: Mr. Vipula Anandapitiya

Word Count: 470

MARKING CRITERIA	%	MARKS OBTAINED
TOTAL (%)		

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Introduction

The goal of this study is to provide information on the creation of a thorough online ticket ordering system for the Hikkaduwa Turtle Hatchery that will make it simple for visitors to purchase tickets for their trips. Visitors can select dates, specify the amount of tickets they want for different categories, and select preferred time slots thanks to the system's user-friendly interface. Additionally, it shows a summary of the order and dynamically calculates the ticket prices based on the chosen inputs. This report describes the web application's layout and setup while emphasizing its main attributes and functionalities.

This website enables users to pick dates from an embedded calendar and save those dates to the local storage of their browser. With the option to dynamically increase or decrease the ticket count, it breaks down the ticket categories into groups like SL Adult, SL Child, Foreigner Adult, Foreigner Child, and Infant. A time slot selection function has been added, and it is described in depth, including the cost distinction between regular and peak hours. Also explained is the pricing rationale, which includes computations based on the chosen time slot and ticket type.

A significant role is played by the summary table in addition to the user functionalities. Based on the user's options, this table dynamically refreshes to indicate the selected date, number of guests, time slot, and overall ticket price. In order to enable correct summary production and a seamless user experience, it explains how the user's selections are saved in the browser's local storage.

Validations

Test	Result

HTML validating

1. **Warning** **This document appears to be written in English. Consider adding** `lang="en"` **(or variant) to the** `html` **start tag.**
From line 1, column 1; to line 1, column 6
`<html>↵  <`
For further guidance, consult Declaring the overall language of a page and Choosing language tags.
If the HTML checker has misidentified the language of this document, please file an issue report or send e-mail to report the problem.

2. **Error** **Start tag seen without seeing a doctype first. Expected** `<!DOCTYPE html>`**.**
From line 1, column 1; to line 1, column 6
`<html>↵  <`

3. **Error** **An** `img` **element must have an** `alt` **attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.**
From line 12, column 38; to line 12, column 64
`dex.html"><img src="image/logo1.png"></a>↵`

4. **Warning** **The document is not mappable to XML 1.0 due to two consecutive hyphens in a comment.**
At line 36, column 15
`<!  <!----=-turtles in sr`

5. **Error** **No space between attributes.**
At line 44, column 68
`yle="width:90%";>↵`

6. **Warning** **Attribute** `;` **is not serializable as XML 1.0.**
From line 44, column 21; to line 44, column 69
`<img src="image/turtle12.jpg" style="width:90%";>↵`

7. **Error** **Attribute** `;` **not allowed on element** `img` **at this point.**
From line 44, column 21; to line 44, column 69
`<img src="image/turtle12.jpg" style="width:90%";>↵`
Attributes for element `img`:
Global attributes
`alt` — Replacement text for use when images are not available
`src` — Address of the resource
`srcset` — Images to use in different situations, e.g., high-resolution displays, small monitors, etc.
`sizes` — Image sizes for different page layouts
`crossorigin` — How the element handles crossorigin requests
`usemap` — Name of image map to use
`ismap` — Whether the image is a server-side image map
`width` — Horizontal dimension
`height` — Vertical dimension
`referrerpolicy` — Referrer policy for fetches initiated by the element
`decoding` — Decoding hint to use when processing this image for presentation
`loading` — Used when determining loading deferral
`fetchpriority` — Sets the priority for fetches initiated by the element

8. **Error** **An** `img` **element must have an** `alt` **attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.**
From line 44, column 21; to line 44, column 69
`<img src="image/turtle12.jpg" style="width:90%";>↵`

9. **Error** **No space between attributes.**
At line 48, column 50
`e/turtle13.jpg"style="width:90`

10. **Error** **No space between attributes.**
At line 48, column 67
`yle="width:90%";>↵`

11. **Warning** **Attribute** `;` **is not serializable as XML 1.0.**
From line 48, column 21; to line 48, column 68
`<img src="image/turtle13.jpg"style="width:90%";>↵`

12. **Error** **Attribute** `;` **not allowed on element** `img` **at this point.**
From line 48, column 21; to line 48, column 68
`<img src="image/turtle13.jpg"style="width:90%";>↵`
Attributes for element `img`:
Global attributes
`alt` — Replacement text for use when images are not available
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`decoding` — Decoding hint to use when processing this image for presentation
`loading` — Used when determining loading deferral
`fetchpriority` — Sets the priority for fetches initiated by the element

13. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.
From line 48, column 21; to line 48, column 68
`<img src="image/turtle13.jpg"style="width:90%";>↵`

14. **Error** No space between attributes.
At line 52, column 50
`e/turtle14.jpg"style="width:60`

15. **Error** No space between attributes.
At line 52, column 67
`yle="width:60%";>↵`

16. **Warning** Attribute `;` is not serializable as XML 1.0.
From line 52, column 21; to line 52, column 68
`<img src="image/turtle14.jpg"style="width:60%";>↵`

17. **Error** Attribute `;` not allowed on element `img` at this point.
From line 52, column 21; to line 52, column 68
`<img src="image/turtle14.jpg"style="width:60%";>↵`
Attributes for element `img`:
Global attributes
`alt` — Replacement text for use when images are not available
`src` — Address of the resource
`srcset` — Images to use in different situations, e.g., high-resolution displays, small monitors, etc.
`sizes` — Image sizes for different page layouts
`crossorigin` — How the element handles crossorigin requests
`usemap` — Name of image map to use

18. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.
From line 52, column 21; to line 52, column 68
`<img src="image/turtle14.jpg"style="width:60%";>↵`

19. **Warning** The document is not mappable to XML 1.0 due to two consecutive hyphens in a comment.
At line 58, column 7
`section>↵<!----- second part-`

20. **Error** No space between attributes.
At line 66, column 41
`ge/turtle7.jpg"style="width:90`

21. **Error** No space between attributes.
At line 66, column 58
`yle="width:90%";>↵ </di`

22. **Warning** Attribute `;` is not serializable as XML 1.0.
From line 66, column 13; to line 66, column 59
`<img src="image/turtle7.jpg"style="width:90%";>↵`

23. **Error** Attribute `;` not allowed on element `img` at this point.
From line 66, column 13; to line 66, column 59
`<img src="image/turtle7.jpg"style="width:90%";>↵`
Attributes for element `img`:
Global attributes
`alt` — Replacement text for use when images are not available
`src` — Address of the resource

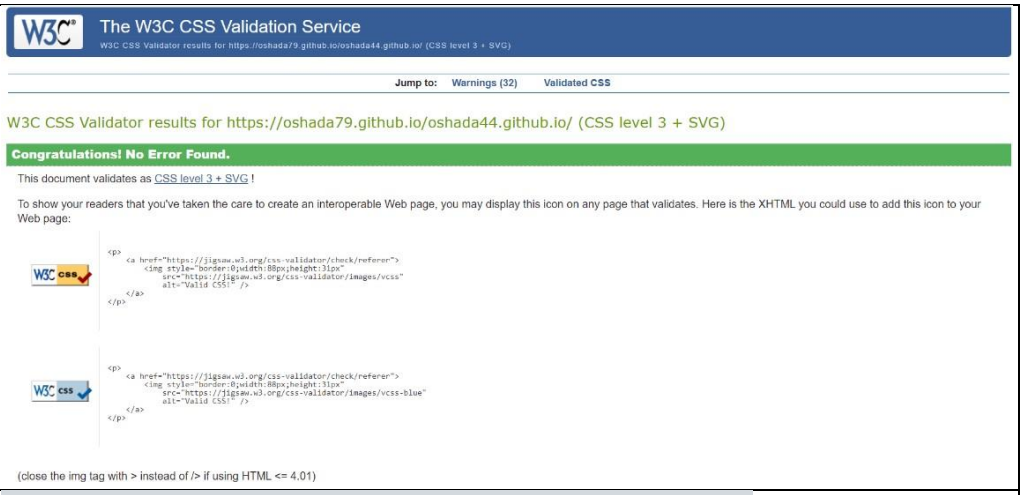
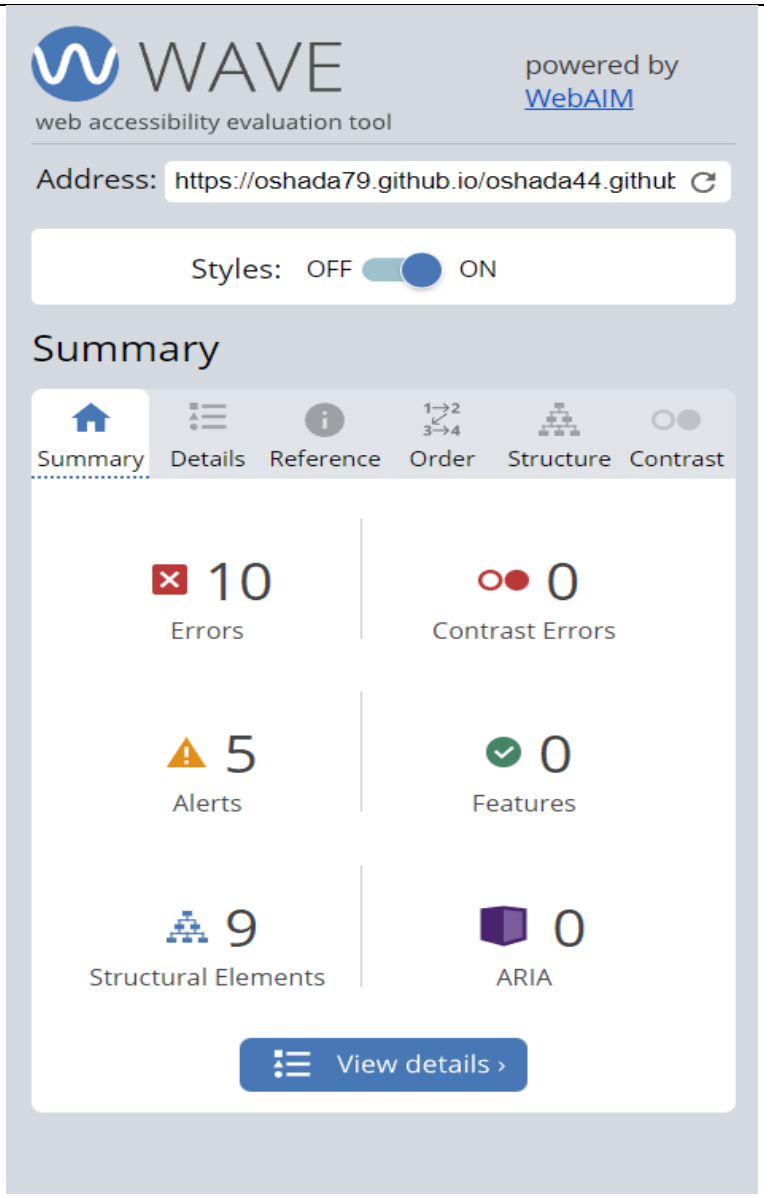
24. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.
From line 66, column 13; to line 66, column 59
`<img src="image/turtle7.jpg"style="width:90%";>↵`

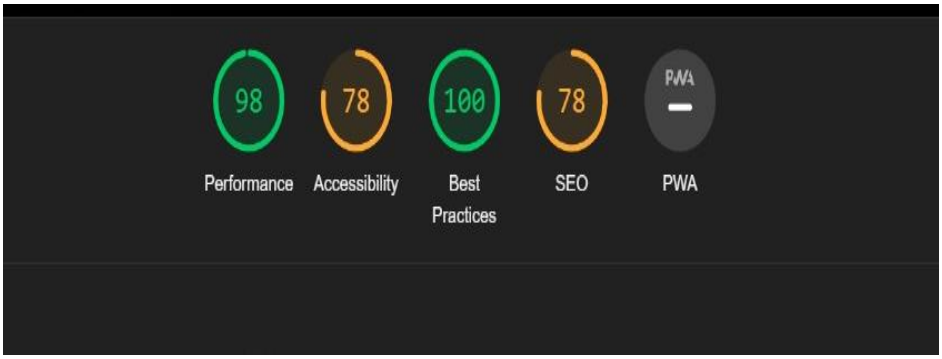
25. **Error** No space between attributes.
At line 70, column 41
`ge/turtle8.jpg"style="width:80`

26. **Error** No space between attributes.
At line 70, column 58
`yle="width:80%";>↵ </di`

27. **Warning** Attribute `;` is not serializable as XML 1.0.
From line 70, column 13; to line 70, column 59
`<img src="image/turtle8.jpg"style="width:80%";>↵`

28. **Error** Attribute `;` not allowed on element `img` at this point.
From line 70, column 13; to line 70, column 59
`<img src="image/turtle8.jpg"style="width:80%";>↵`
Attributes for element `img`:
Global attributes
`alt` — Replacement text for use when images are not available
`src` — Address of the resource
`srcset` — Images to use in different situations, e.g., high-resolution displays, small monitors, etc.
`sizes` — Image sizes for different page layouts
`crossorigin` — How the element handles crossorigin requests
`usemap` — Name of image map to use

CSS Validating	
Wave Accessibility testing	

Lighthouse Testing	

Website Screenshots

Book your tickets to Another World

Dates

mm/dd/yyyy

Ticket Price

Guests	Peak Hour	Normal Hour
SL Adults	6 USD	4 USD
SL Childern	3 USD	2 USD
Foreigner Adults	13 USD	10 USD
Foreigner Children	8 USD	5 USD
Infants(UNDER 04)	Free	Free

Guests

SL Adult	0
SL Child	0
Foreigner Adult	0
Foreigner Child	0
Infant	Free

Duration

07:00 am to 08:00 am
08:00 am to 09:00 am
09:00 am to 10:00 am
10:00 am to 11:00 am (Peak)

Summary

Date	
Time	null-12.00
Duration	0 hours 0 normal 0 peak
Tickets	Charges
SL Adult	$0
SL Child	$0
Foreigner Adult	$0
Foreigner Child	$0
Infant	$0
Total Payable	$0

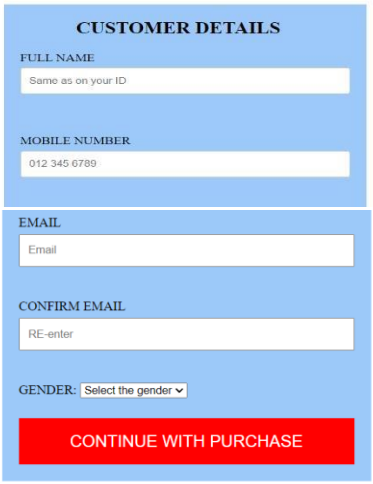
Continue with Purchase

Refresh

About Us

The Sri Lanka Tourism Alliance welcomes individuals or groups from Sri Lanka or abroad, including those in the public sector who work for the government, educational institutions, regional or industry associations related to Sri Lanka tourism as well as those in the private sector who own or work for a business connected to Sri Lanka tourism. The Alliance does not charge for annual membership.

Made with ♡ by Save The Turtles



Summary Table

Date	
Time	null - 12.00
Duration	0 Hours 0 Normal 0 Peaks
SL Adult	
SL Child	
Foreigner Adult	
Foreigner Child	
Total Price ($)	0

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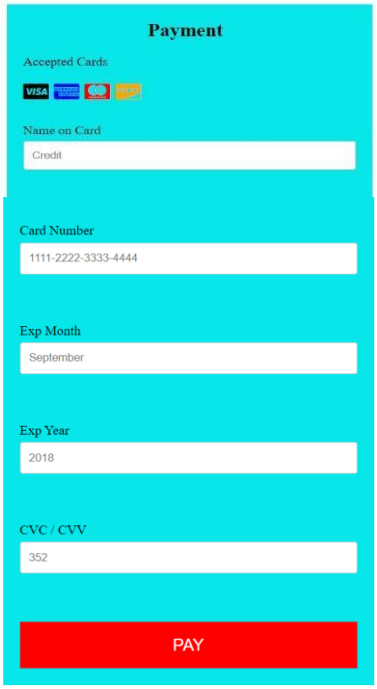
Page 02



Summary Table

Date:	
Time :	null - 12.00
Duration	0 Hours 0 Normal 0 Peaks
SL Adult	
SL Child	
Foreigner Adult	
Foreigner Child	
Total Price ($)	0

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Page 03

❤Thank you for your order. Your order has been confirmed with us. You can show this confirmation at the entrance. Following is the summary of your order.

Summary Table

Name	oshada123
Email	Oxka.x79@gmail.com
Phone Number	0751234560
Gender	Male
Date:	
Time :	null - 12.00
Duration	0 Hours 0 Normal 0 Peaks
SL Adult	
SL Child	
Foreigner Adult	
Foreigner Child	
Total Price ($)	0

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Page 04

Summary Table (with different inputs)

Summary Table

Name	oshada
Email	Oxka.x79@gmail.com
Phone Number	0705562179
Gender	Male
Date:	2023-08-30
Time :	07:00 - 10:00
Duration	3 Hours 3 Normal 0 Peaks
SL Adult	3
SL Child	5
Foreigner Adult	1
Foreigner Child	2
Total Price ($)	126

Summary Table

Name	Geeneth damsath
Email	Geemeth@gmail.com
Phone Number	0717852695
Gender	Male
Date:	2023-07-06
Time :	15:00 - 18:00
Duration	3 Hours 0 Normal 3 Peaks
SL Adult	6
SL Child	6
Foreigner Adult	4
Foreigner Child	4
Total Price ($)	414

Summary Table

Name	yesmin
Email	nixjame79@gmail.com
Phone Number	0725566889
Gender	Female
Date:	2023-09-21
Time :	08:00 - 16:00
Duration	8 Hours 4 Normal 4 Peaks
SL Adult	4
SL Child	4
Foreigner Adult	2
Foreigner Child	3
Total Price ($)	580

Website URL

https://oshada79.github.io/oshada45.github.io/

Conclusion

This report focuses on the progress of a webpage project that started with a foundation in the first semester and was later upgraded with JavaScript. With four meticulously created pages, the goal was to develop a user-centric ticket ordering mechanism. Customers are empowered by the website's versatility in placing orders for numerous tickets that suit to their choices and demands. Convenience is ensured by the clever time slot segmentation into normal and peak hours. Patrons are quickly transported to a detailed confirmation page after inputting data and payment, combining all necessary information for a flawless entry experience. The project blends technological capability, user-centric design, and efficient functioning to create a dynamic and impactful webpage customized to modern needs.

…….…….…… END……...…….