

Level 4

Semester 2

WDOS

Assignment – 3

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Turtle Hatcheries in Sri Lanka

This report is regarding the part 3 of the Web Development and Operating Systems (WDOS) assignment; “Turtle Hatcheries in Sri Lanka”. This part of the assignment (part 3) is connected to the previous parts of the assignment (parts 1 and 2) by a ‘Book Now’ button in the Hikkaduwa Turtle Hatchery page of the previous part of the assignment that redirects to the ‘Ticket page’ (1st page) of the new application . The new application contains four HTML pages, one CSS page and one JavaScript page.

- Tickets page (HTML)
- Details page (HTML)
- Payment page (HTML)
- Confirmation page (HTML)
- Index (JS)
- Styles3 (CSS)

This application is introduced to pre-book tickets for visitors and guarantee their spot at the centre. The tickets page (1st page) contains three subsections as dates, guests and duration. The dates subsection is for the user to input the date they are planning to visit and the user can select only one date. In guests subsection there are five main ticket categories as,

- SL Adult
- SL Child
- Foreign Child
- Foreign Adult
- Infant

Users are allowed to select the number of tickets which they need from each category. The duration subsection is for the user to select one ore multiple time slots for their visits and the time slots also categorize as normal hours and peak hours.

The user input data of the subsections dates, guests and duration are stored in local storage in order to update ‘Summary table’ that is used to calculate the total payment for the tickets.

The details page (2nd page) of the application contains a form for the user to input their personal information such as full name, mobile number, Email, gender. And in the payment page (3rd page) there is a payment form validation for the user to input their credit card information to confirm the payment. And lastly the confirmation page (4th page) contains a message for the user to confirm their order.

In all 4 of the pages, I have used the same header style and the footer style using HTML and CSS.

Test Table

HTML Validation	<div data-bbox="362 346 560 1898">Ticket page</div> <div data-bbox="568 346 1568 1898"> <p>Warning: Consider adding a <code>lang</code> attribute to the <code>html</code> start tag to declare the language of this document.</p> <p>From line 1, column 16; to line 2, column 6 type html><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.</p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 8, column 9; to line 8, column 58 >< <link rel="stylesheet" href="styles/styles3.css"/><</p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 9, column 9; to line 9, column 275 >< <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.c...sANI9QpRohGBreCFkKxLhei6S9CQXFEbbKuqLg0DA==" crossorigin="anonymous" referrerpolicy="no-referrer" /><</p> <p>Error: Attribute <code>cellpadding</code> not allowed on element <code>table</code> at this point.</p> <p>From line 79, column 21; to line 79, column 42 <table cellpadding="4">< Attributes for element <code>table</code>:</p> <p>Global attributes</p> <p>Error: Row 1 of a row group established by a <code>tbody</code> element has no cells beginning on it.</p> <p>From line 80, column 29; to line 81, column 28 <tr>< <tr><</p> <p>Warning: A table row was 3 columns wide and exceeded the</p> </div>
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		column count established by the first row (0).
		From line 84, column 46; to line 85, column 29 USD </th></tr>
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 88, column 45; to line 89, column 29 USD </th></tr>
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 92, column 45; to line 93, column 29 USD </th></tr>
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 96, column 45; to line 97, column 29 USD </th></tr>
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 101, column 46; to line 102, column 29 USD </th></tr>
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 105, column 45; to line 106, column 29 USD </th></tr>
		Error: th start tag in table body.
		From line 106, column 30; to line 107, column 32 </tr><th> SL Ad
		Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).
		From line 108, column 45; to line 109, column 28 USD </th><tr>

		<p>Warning: A table row was 3 columns wide and exceeded the column count established by the first row (0).</p> <p>From line 111, column 45; to line 112, column 29 USD </th></tr></p> <p>Error: Named character reference was not terminated by a semicolon. (Or & should have been escaped as &amp;.)</p> <p>At line 164, column 51 Copyright &copy;2023 Designed</p>
	Details page	<p>Warning: Consider adding a lang attribute to the html start tag to declare the language of this document.</p> <p>From line 1, column 16; to line 2, column 6 type html><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.</p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 8, column 9; to line 8, column 58 >< <link rel="stylesheet" href="styles/styles3.css"/></p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 9, column 9; to line 9, column 275 >< <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.c...sANI9QpRohGBreCFkKxLhei6S9CQXFEbbKugLg0DA==" crossorigin="anonymous" referrerpolicy="no-referrer" /></p> <p>Error: Duplicate ID email.</p> <p>From line 46, column 21; to line 46, column 91 <input type="text" id="email" placeholder="Confirm your email address"></p>

		<p>Warning: The first occurrence of ID <code>email</code> was here.</p> <p>From line 42, column 19; to line 42, column 87 <code><input type="text" id="email" placeholder="Enter your email address"></code></p> <p>Error: Named character reference was not terminated by a semicolon. (Or <code>&</code> should have been escaped as <code>&amp;</code>.)</p> <p>At line 94, column 47 <code>Copyright &copy;2023 Designed</code></p> <p>Error: End tag <code>footer</code> seen, but there were open elements.</p> <p>From line 96, column 21; to line 96, column 29 <code></footer></code></p> <p>Error: Unclosed element <code>div</code>.</p> <p>From line 75, column 17; to line 75, column 46 <code><div class="footer-container"></code></p> <p>Error: Stray end tag <code>div</code>.</p> <p>From line 103, column 15; to line 103, column 20 <code></div></code></p>
	Payment page	<p>Warning: Consider adding a <code>lang</code> attribute to the <code>html</code> start tag to declare the language of this document.</p> <p>From line 1, column 16; to line 2, column 6 <code>type html><html></code></p> <p>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.</p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 8, column 9; to line 8, column 58 <code>><link rel="stylesheet" href="styles/styles3.css"/></code></p>

Info: Trailing slash on void elements [has no effect](#) and [interacts badly with unquoted attribute values](#).

From line 9, column 9; to line 9, column 275

```
>< <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.2/css/all.min.c...sANI9QpRohGBreCFkKxLhei6S9CQXFEbb
KuqLg0DA==" crossorigin="anonymous" referrerpolicy="no-
referrer" /><
```

Error: Bad value for attribute `action` on element `form`: Must be non-empty.

From line 33, column 21; to line 33, column 36

```
<form action=""><
```

Error: Bad value for attribute `name` on element `select`: Must not be empty.

From line 45, column 33; to line 45, column 75

```
<select name="" id="" class="month-input"><
```

Error: Bad value for attribute `id` on element `select`: An ID must not be the empty string.

From line 45, column 33; to line 45, column 75

```
<select name="" id="" class="month-input"><
```

Error: Duplicate ID .

From line 63, column 33; to line 63, column 74

```
<select name="" id="" class="year-input"><
```

Warning: The first occurrence of ID was here.

From line 45, column 33; to line 45, column 75


```
<select name="" id="" class="month-input"><
```

Error: Bad value for attribute `name` on element `select`: Must not be empty.

From line 63, column 33; to line 63, column 74

```
<select name="" id="" class="year-input"><
```

		<p>Error: Bad value for attribute <code>id</code> on element <code>select</code>: An ID must not be the empty string.</p> <p>From line 63, column 33; to line 63, column 74</p> <pre><select name="" id="" class="year-input"></pre> <p>Error: Named character reference was not terminated by a semicolon. (Or <code>&</code> should have been escaped as <code>&amp;</code>.)</p> <p>At line 108, column 47</p> <pre>Copyright &copy;2023 Designed</pre>
	Confirmation page	<p>Warning: Consider adding a <code>lang</code> attribute to the <code>html</code> start tag to declare the language of this document.</p> <p>From line 1, column 16; to line 2, column 6</p> <pre>type html><html> <</pre> <p>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.</p> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 8, column 9; to line 8, column 58</p> <pre>>< <link rel="stylesheet" href="styles/styles3.css"/></pre> <p>Info: Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.</p> <p>From line 9, column 9; to line 9, column 275</p> <pre>>< <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.c...sANI9QpRohGBreCFkKxLhei6S9CQXFEbbKuqLg0DA==" crossorigin="anonymous" referrerpolicy="no-referrer" /></pre> <p>Error: Named character reference was not terminated by a semicolon. (Or <code>&</code> should have been escaped as <code>&amp;</code>.)</p> <p>At line 60, column 43</p> <pre>Copyright &copy;2023 Designed</pre>

		<p>Error: End tag <code>footer</code> seen, but there were open elements.</p> <p>From line 62, column 17; to line 62, column 25</p> <pre></footer></pre> <p>Error: Unclosed element <code>div</code>.</p> <p>From line 41, column 9; to line 41, column 38</p> <pre><div class="footer-container"></pre>
CSS Validity		<p>W3C CSS Validator results for styles3.css (CSS level 3 + SVG)</p> <p>Congratulations! No Error Found.</p> <p>This document validates as CSS level 3 + SVG !</p> <p>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> <p></p> <pre><p></pre> <pre> </p> </pre>



<p>

```
<a href="http://jigsaw.w3.org/css-  
validator/check/referer">
```

```
    
```

```
    </a>
```

```
</p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)



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If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result)

to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:
http://jigsaw.w3.org/css-validator/validator\$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)
(Or, you can just add the current page to your bookmarks or hotlist.)

[↑ TOP](#)

Warnings (6)

URI : styles3.css

40	Family names containing whitespace should be quoted. If quoting is not used, the space should be converted to a single space.
40	Family names containing whitespace should be quoted. If quoting is not used, the space should be converted to a single space.
47	Family names containing whitespace should be quoted. If quoting is not used, the space should be converted to a single space.
47	Family names containing whitespace should be quoted. If quoting is not used, the space should be converted to a single space.
345	<code>-moz-box-sizing</code> is a vendor extension
346	<code>-webkit-box-sizing</code> is a vendor extension

Lighthouse testing (desktop view)

96

Performance

55

Accessibility

100

Best Practices

80

SEO

96


Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0-49

■ 50-89

● 90-100



METRICS

Expand view

Lighthouse testing (mobile view)

Mobile

Desktop

Diagnose performance issues

74

Performance

55

Accessibility

100

Best Practices

83

SEO

74


Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0-49

■ 50-89

● 90-100



Test tables
for different
set of user
input
combinations

Summary

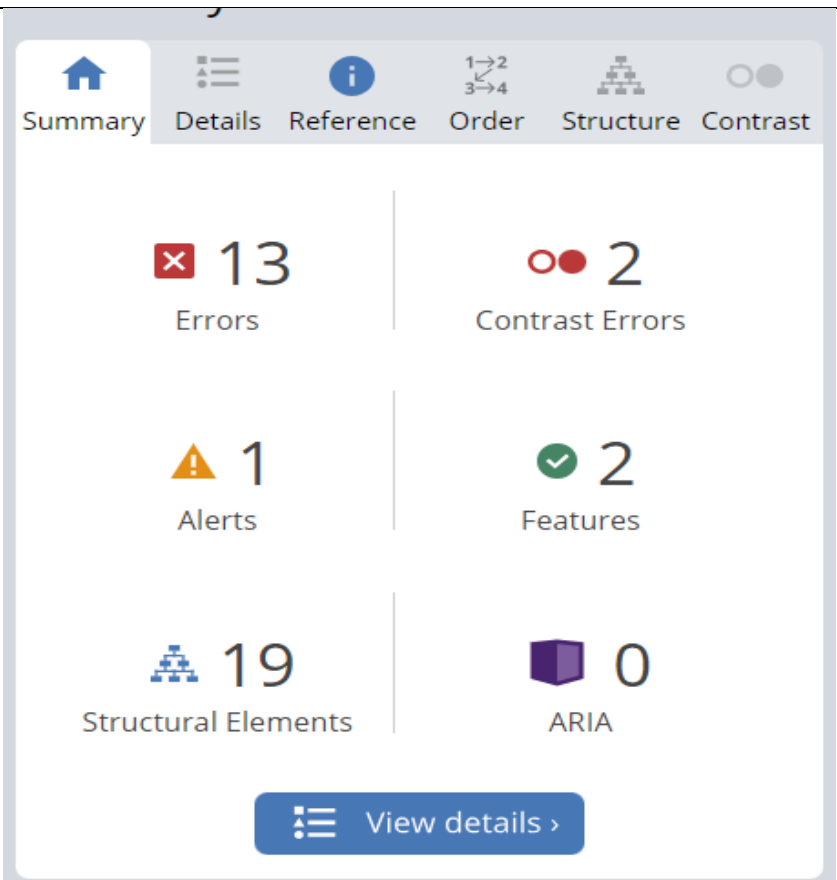
Date	2023-08-29
Time	10:00-11:00
Duration	1 hours 0 normal 1 peak
Tickets	Charges
SL Adult	\$0
SL Child	\$0
Foreign Adult	\$65
Foreign Child	\$32
Infant	\$0
Total Payable	\$97

Summary

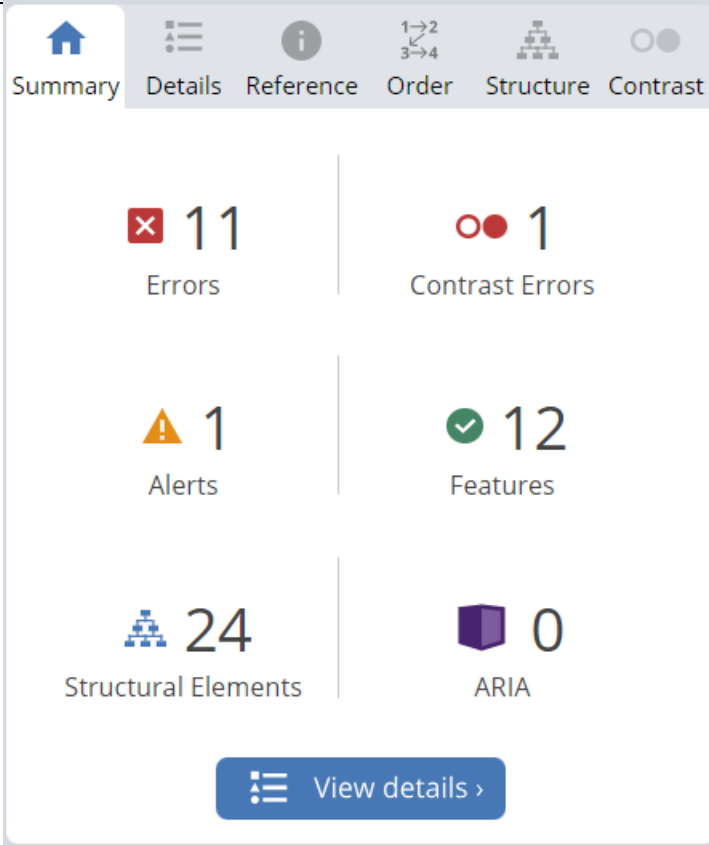
Date	2023-08-22
Time	10:00-11:00
Duration	1 hours 0 normal 1 peak
Tickets	Charges
SL Adult	\$12
SL Child	\$12
Foreign Adult	\$0
Foreign Child	\$0
Infant	\$0
Total Payable	\$24

Accessibility Testing







Home page




Turtle categories



Save turtles




SummaryDetailsReferenceOrderStructureContrast




6

Errors




1

Contrast Errors




13

Alerts




2

Features




15

Structural Elements




0


ARIA

View details >


Threats to turtles




Summary




Details




Reference




Order



Structure




Contrast




6

Errors




1

Contrast Errors




3

Alerts




2

Features




16

Structural Elements




0


ARIA




View details >




Summary




Details




Reference




Order



Structure




Contrast




11

Errors




3

Alerts




38

Structural Elements




0

Contrast Errors




1

Features



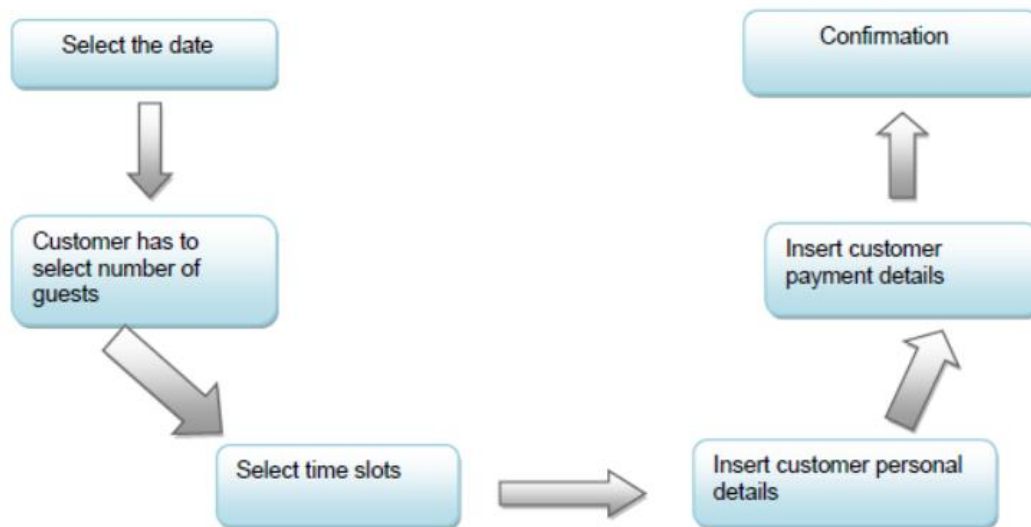
0

ARIA



View details >

Activity table



This link directs to the web application:- <https://pramodya2002.github.io/bookingturtle/>

Conclusion

In conclusion, this web application showcases our web development skills including web design, creating pages with HTML, and styling using CSS and using JavaScript and testing web application.

