

BSc (Hons) in Computing

Level 4

INDIVIDUAL ASSIGNMENT

Module Code & Title:

COMP40004 - WEB DEVELOPMENT AND OPERATING SYSTEMS 2

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MARKING CRITERIA	%	MARKS OBTAINED

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[Online] Available From :

<https://laxnz.github.io/updatedTeaWebsite/>

Acknowledgment

It took a lot of effort to complete this job successfully, and I am very fortunate and appreciative of Mr. Dasun Srimal Athukorala for all the assistance he offered.

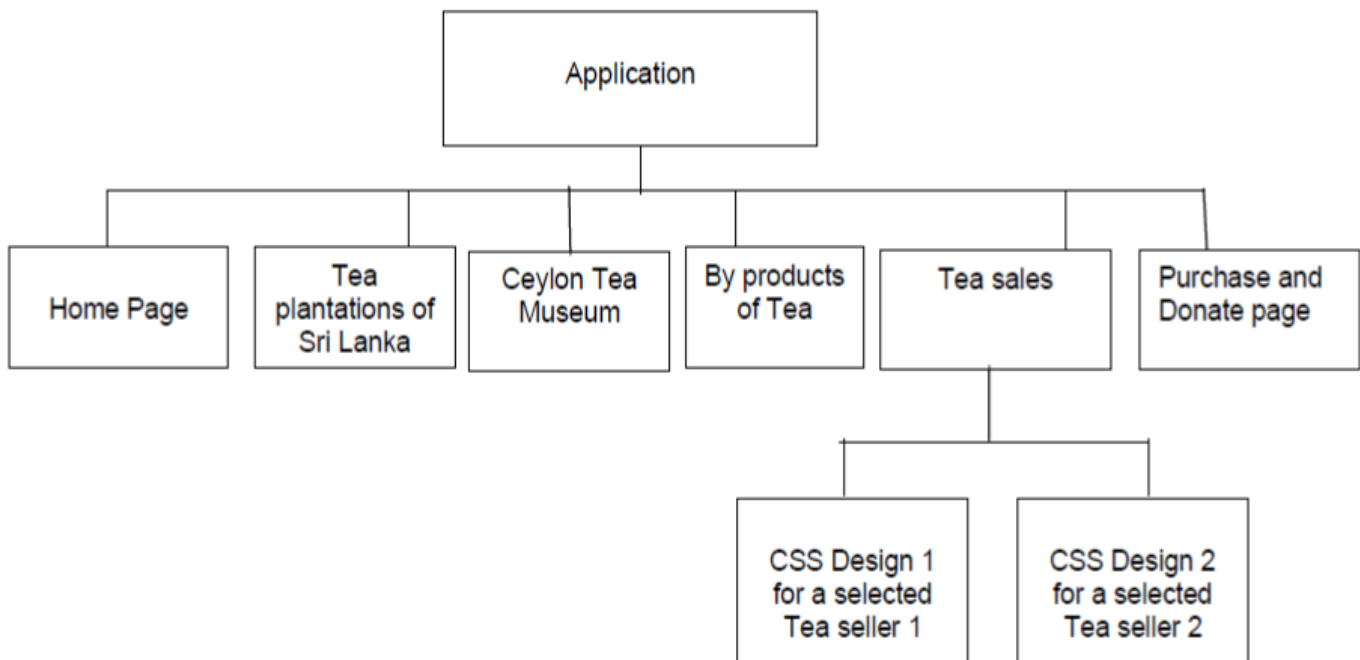
Finally, I do want to thank everyone who helped me, whether directly or indirectly, to making this a success.

Introduction

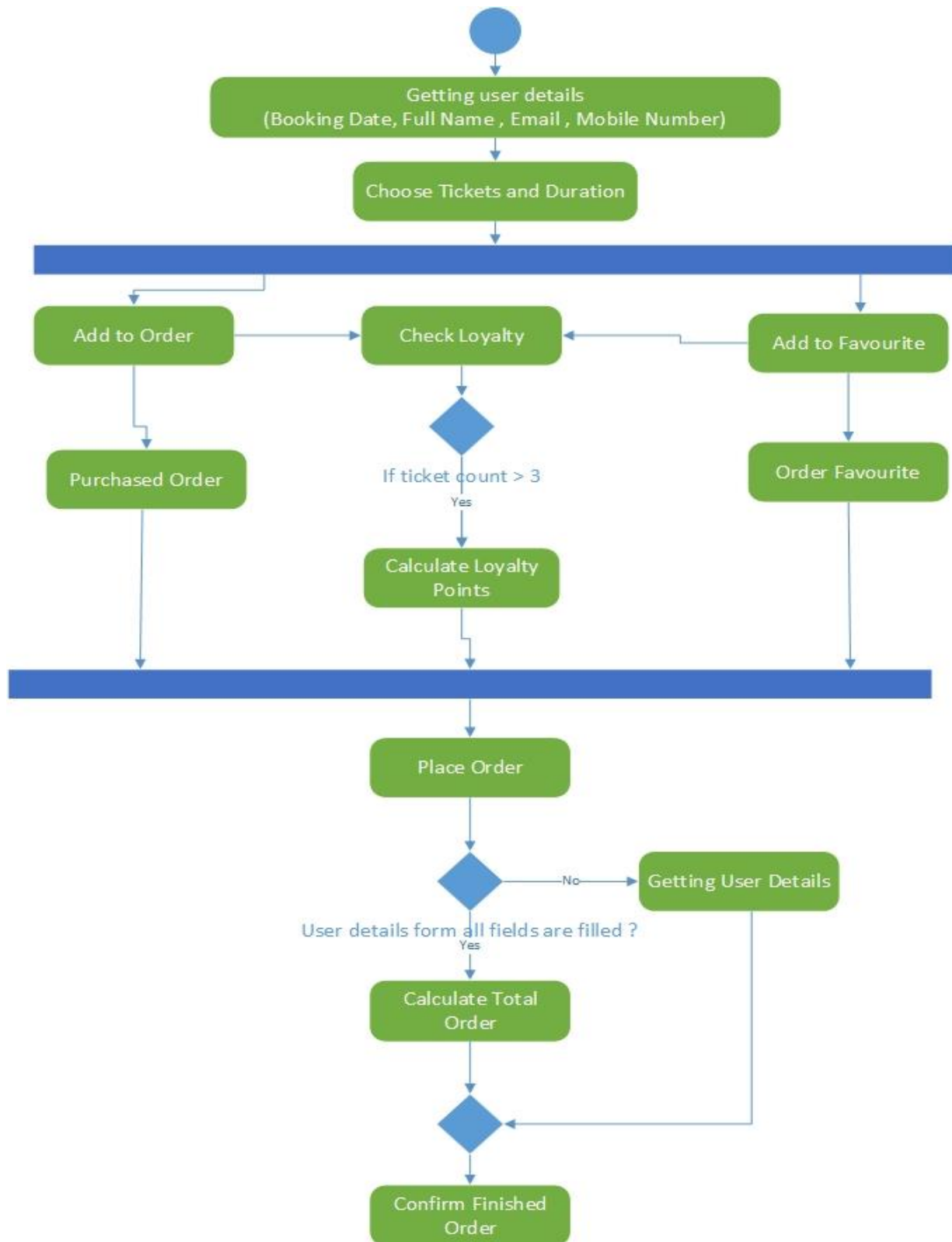
You have been asked to create a client-side web application to showcase “Tea industry in Sri Lanka”. The need arose by the government of Sri Lanka to boost the tea industry after the Pandemic. They need to provide tourists an overall view of the tea industry via the website. You need to show your skills in web development, including web design, creating pages with HTML, styling using CSS, scripting with ECMAScript and testing web applications.

The application should be designed so it is a showcase of you and your skills, suitable to market yourself later to prospective employers.

The cite map for the application is shown below:



Design



Tests

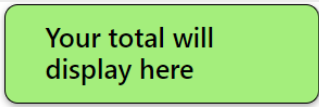





Booking Page

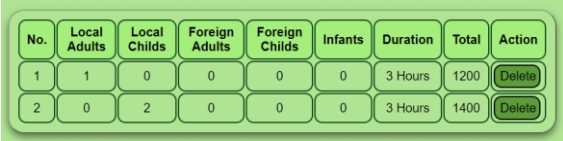

- 'Add to Order' Button

Test	Reason	Expected	Actual
Click 'Add to Orders' Button without selecting or entering any value	To check all the default values correctly initialized	Total = 0 All ticket counts = 0 Duration = 3 hours	Your Last Order Details SL Adult : 0 SL Child : 0 Foreigner Adult : 0 Foreigner Child : 0 Infant : 0 Overall Total : 0.00 LKR For 3 Hours
Change 'SL Adult' value to 3 and 'Duration' to 12 hours	To check order calculation is working when Duration = 12 hours	SL Adult Paas = 1200 For 12hours = 1200+350 Total = (1200+350)*3 = 4650	Your Last Order Details SL Adult : 3 SL Child : 0 Foreigner Adult : 0 Foreigner Child : 0 Infant : 0 Overall Total : 4650.00 LKR For 12 Hours
Change 'SL Child' value to 2 and 'Duration' to 24 hours	To check order calculation is working when Duration = 24 hours	SL Child Paas = 700 For 24hours = 700+600 Total = (700+600)*2 = 2600	Your Last Order Details SL Adult : 0 SL Child : 2 Foreigner Adult : 0 Foreigner Child : 0 Infant : 0 Overall Total : 2600.00 LKR For 24 Hours
Change 'SL Child', 'Foreigner Adult', 'Infant' values to 2 and 'Duration' is default (3 hours)	To check order calculation is working when multiple ticket values selected	SL Child Paas = 700 Foreigner Adult = 5500 Infant = 0 Duration = 3 hours Total=700*2+5500*2= 12400	Your Last Order Details SL Adult : 0 SL Child : 2 Foreigner Adult : 2 Foreigner Child : 0 Infant : 2 Overall Total : 12400.00 LKR For 3 Hours

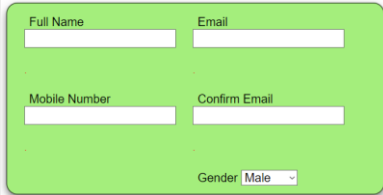
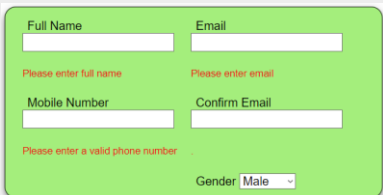

Change 'SL Child', 'Foreigner Adult', 'Infant' values to 2 and 'Duration' is to 12 hours	To check order calculation is working when multiple ticket values selected when Duration = 12 hours	SL Child Paas = 700 Foreigner Adult = 5500 Infant = 0 Duration = 12 hours Total=(700+350)*2+(5500+450)*2 = 14000	Your Last Order Details SL Adult : 0 SL Child : 2 Foreigner Adult : 2 Foreigner Child : 0 Infant : 2 Overall Total : 14000.00 LKR For 12 Hours
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○ 'Clear Orders' Button

Test	Reason	Expected	Actual
Click 'Clear Orders' Button without selecting or entering any value	To check if that button do anything unnecessary	Nothing to happen	<p>It clears the total display. That appears as "Your total will display here"</p> <p>Before click the button :</p>  <p>After click the button :</p> 
Change 'SL Adult' value to 3 and 'Duration' to 12 hours and then click 'Clear Orders'	To check if that button can reset what selected on the ticket booking page and reset Duration	Should reset every ticket count into '0' and duration to '3 Hours'	<p>Values reset to '0' successfully.</p>  <p>But the duration still the same as selected.</p> 
Change 'SL Adult' value to 3 and click 'Add to Orders', then click 'Clear Orders'	To check if that button can clear the order in the table	Should clear the order in the table	<p>Before click the button :</p>  <p>After click the button :</p> 

Add multiple orders to the table. Then click 'Clear Orders'	To check if that button can clear multiple orders in the table	Should clear the orders in the table	<p><i>Before click the button :</i></p>  <p><i>After click the button :</i></p> 
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- 'Place Order' Button

Test	Reason	Expected	Actual
Click 'Place Order' Button without selecting or entering any value	To check if that button do anything unnecessary	Should nothing happen to orders. Should show the form validation to fill the form. (if the form details are empty)	<p><i>Before click the button :</i></p>  <p><i>After click the button :</i></p>  <p><i>After enter 'Full Name' and click the button :</i></p> 

Add one order to table and click 'Place Order' (Guest details form can't be blank)

To check if the button working properly.

Should output a message thanking to customer and should show the final total of the order with a e-bill. Then should reset every value to default.

Before click the button :

No.	Local Adults	Local Childs	Foreign Adults	Foreign Childs	Infants	Duration	Total	Action
1	2	0	0	0	0	3 Hours	2400	Delete

Your Last Order Details

SL Adult : 2
SL Child : 0
Foreigner Adult : 0
Foreigner Child : 0
Infant : 0

Overall Total : 2400.00 LKR
For 3 Hours

After click the button :

✓

Thank you for your booking!

Your details has been submitted successfully.

Ok

No.	Local Adults	Local Childs	Foreign Adults	Foreign Childs	Infants	Duration	Total	Action
1	2	0	0	0	0	3 Hours	2400	Delete

Your e-bill for tickets

Name : lanz
Gender : Male
Phone : 1111111111
Email : sumudithalanz@gmail.com
Booked Date : 2022-01-01

Total : 2400.00 LKR
For 2 people

Copy of this e-bill send to your e-mail.

Do the same as previous and add one order using 'Order Favorite'

('Order Favorite' and 'Add to Favorite' buttons tested in the section below)

To check if that button can calculate the favorite details as well for the final Total.

Should output a message thanking to customer and should show the final total (favorite order included) of the order with a e-bill. Then should reset every value to default.

Before click the button (No.2 is the favorite order) :

No.	Local Adults	Local Childs	Foreign Adults	Foreign Childs	Infants	Duration	Total	Action
1	1	0	0	0	0	3 Hours	1200	Delete
2	0	1	0	0	0	3 Hours	700	Delete

After click the button :

✓

Thank you for your booking!

Your details has been submitted successfully.

Ok






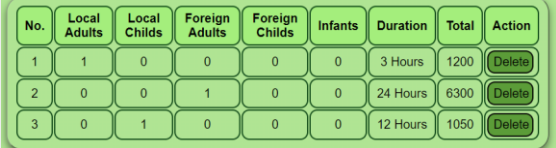
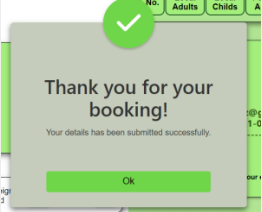

Your e-bill for tickets

Name : lanz
Gender : Male
Phone : 1111111111
Email : sumudithalanz@gmail.com
Booked Date : 2022-01-01

Total : 1900.00 LKR
For 2 people

Copy of this e-bill send to your e-mail.

- 'Add to Favorite' Button and 'Order Favorite' Button


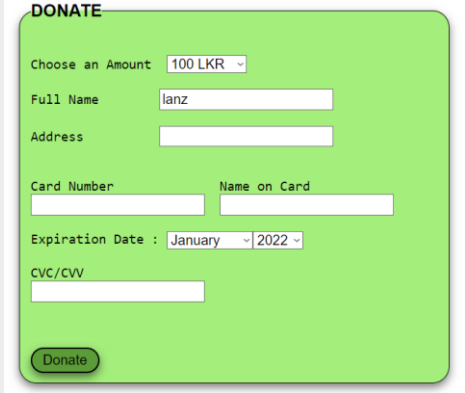

Test	Reason	Expected	Actual
Click 'Add to Favorite' and 'Order Favorite' Button without selecting or entering any value	To check if that add anything to the table.	Should return a order to table with all the values '0' and Duration with '3 Hours'	<p><i>Before click the button :</i></p>  <p><i>After click the button :</i></p> 
Change 'SL Adult' value to 3 and 'Duration' to 12 hours and then click 'Add to Favorite' and 'Order Favorite'	To check if the ticket count and Duration correctly showing in the order	Should return a order to table with 3 Local Adults and Duration with '12 hours'	<p><i>Before click the button :</i></p>  <p><i>After click the button :</i></p> 
Add a order using 'Add to Orders' button and 'Order Favorite'. Then click 'Place Order'	To check if the final total coming as a sum of the favorite order and other orders.	Should return a Sum of all the orders added to the table. And a thank you message. (Orders + Favorite Orders)	<p><i>Before click the button :</i></p>  <p><i>After orders added to the table :</i></p>  <p><i>After click the 'Place Order' button :</i></p>  

○ 'Check Loyalty' Button

Test	Reason	Expected	Actual
Click 'Check Loyalty' Button without selecting or entering any value or order anything	To check all the default values correctly initialized	Loyalty points should be '0' Head count = 0 Loyalty point = 0 * 0	<div>-Loyalty Points-</div> <p>You have 0 loyalty points</p> <p>You can redeem loyalty points from the finance.</p>
Check loyalty points after order only 2 tickets for 'SL Child'	To check loyalty points calculation working properly	Loyalty points should be '0' Because loyalty points only calculate if the 'head count > 3' and one person get 15 points for each. Head count = 2 Loyalty points = 0 * 0	<div>-Loyalty Points-</div> <p>You have 0 loyalty points</p> <p>You can redeem loyalty points from the finance.</p>
Check loyalty points after order only 4 tickets for 'SL Child'	To check loyalty points calculation working properly	Loyalty points should be '90' Because loyalty points only calculate if the 'head count > 3' and one person get 15 points for each. Head count = 4 Loyalty points = 4 * 15	<div>-Loyalty Points-</div> <p>You have 90 loyalty points</p> <p>You can redeem loyalty points from the finance.</p>

Donation Page

○ 'Donate' Button

Test	Reason	Expected	Actual
Click 'Donate' Button without selecting or entering any value or order anything	To check form validation is working	Should output a alert saying to 'Fill all the fields'	
Fill only the 'Full Name' then click 'Donate'	To check form validation is working	Should output a alert saying to 'Fill all the fields'	 

Fill all the details and then click 'Donate'

To check donate form is working as expected. (Shouldn't output a alert because all the fields filled)

Should output a thankyou message for the donation. Then should reset all the fields.

DONATE

Choose an Amount

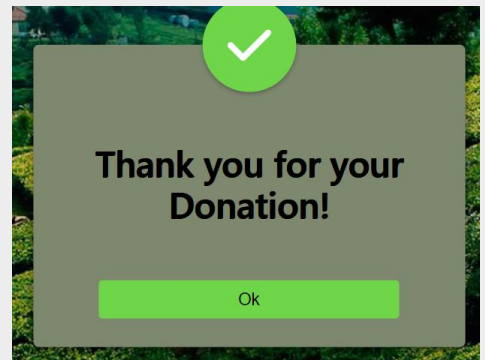
Full Name

Address

Card Number Name on Card

Expiration Date :

CVC/CVV



DONATE

Choose an Amount

Full Name

Address

Card Number Name on Card

Expiration Date :

CVC/CVV

WAVE Test Result

Booking Page

The following apply to the entire page:

The screenshot shows the Booking Page of the Ceylon Tea Museum website. The WAVE accessibility tool overlay on the left indicates 5 errors, 4 contrast errors, 14 alerts, 5 features, 23 structural elements, and 0 ARIA issues. The page content includes a navigation bar with links to Home, Tea Plantation, Ceylon Tea Museum, Products, Stores, and Donations. The main content area has a form for booking, with fields for 'When are you coming?', 'Full Name', 'Mobile Number', and 'Email'. A table on the right lists booking options: No., Local Adults, Local Childs, Foreign Adults, Foreign Childs, Infants, Duration, Total, and Action.

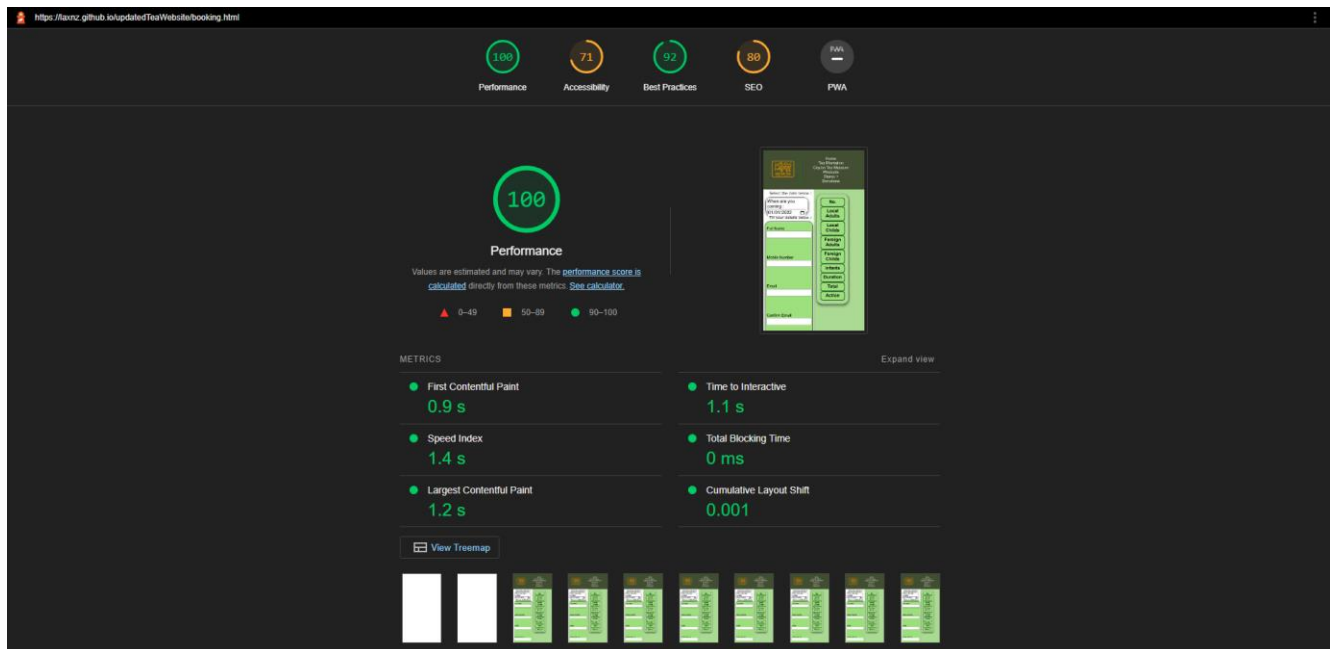
Donation Page

The following apply to the entire page:

The screenshot shows the Donation Page of the Ceylon Tea Museum website. The WAVE accessibility tool overlay on the left indicates 17 errors, 0 contrast errors, 10 alerts, 2 features, 14 structural elements, and 0 ARIA issues. The page content includes a navigation bar with links to Home, Tea Plantation, Ceylon Tea Museum, Products, Stores, and Donations. The main content area features a large image of a tea plantation with workers. Below the image, there is a section titled 'Purchase & Donate' with a button labeled 'Purchase & Donate' and a link to 'Please donate to our Tea Leaf Trust'.

Lighthouse Test Result

Booking Page



Donation Page

