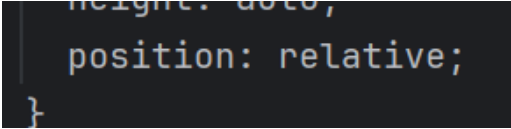## **Task 2: Test log**

Description of test	Test data to be used (if required)	Test type	Expected outcome	Actual outcome	Comments and intended actions
Testing to check if the page loads	Run the code	Unit testing Normal	The page should load as normal	The page didn't load as it was supposed to	The page loaded as expected
Testing to see if the navigation shows in the main page	Run the code	Unit testing Normal	The website page should run and load the main page	The test worked as expected	
Testing to check if the navigation bar goes to the correct links	Run the code	Unit testing Normal	The navigation page should allow the user to go to every page	The navigation bar did will enable me to go to every page however I wasn't able to go to the carbon footprint page	The issue was that the spelling for the HTML page was carbon_footprint_info however I accidentally added it in the Python code as carbon_footprint I changed the html page name to carbon_footpritn and now the page its accessible
Testing to check if the logo loads in the main page	Run the code	Unit testing Normal	The website page should run and show the logo normally	The website ran as normal	There were some extra styles needed for the appropriate size of the log however the logo showed
Testing to check if white spaces show to balance the page design	Run the code	Unit testing Normal	The website interphase design should	The website ran however didn't show white spaces	I tried to use a white-coloured div however that logic did not work

			show white spaces		
Testing to check if the style.css works	Run the code and go to each pages using the navigation bar	Unit testing Normal	The website should show the style in each html pages	The style for each page did show	I had to use a bootstrap to ensure that the css worked
Testing to check if the style.css works	Run the code and go to each pages using the navigation bar	Unit testing Normal	The website should show the style in each html pages	The style of each page showed a	The issue was that the bootstrap that I was using before
Testing to check I the user can aces the sign-up page form the login page link	Run the code go to the login page and press the sign-up link	Integration testing Normal	The website should allow you to access the sign-up page	The website allowed me to access the sign-up page	
Testing to check if the website will post the data to the databases	Run the code and go to the sign p page to sign up	Unit testing Normal	The website should be showing the login page	The website didn't show the login page it showed that the url not found	 One error was that the methods was spelled wrong which I change it to methods rather than method.
Testing to check if the url works and it takes the user to the correct page	Run the code the code then go to the sign up page and try to sign up	Integration testing Normal	The website should allow the user to login	The website didn't allow to login because the url was not found	

					The issues was that I added form action and added a cointainer which made the code not run
Testing to check if the database for the website it created in DB browser	Run the code and then sign up and then check in DB browser if the information has saves	Unit testing Normal	The customer_info table should store should save users data	The database was created however the columns were not created	
Testing to check if the database for the website it created in DB browser	Run the code and then sign up and then check in DB browser if the information has saves	Unit testing Normal	The customer_info table should store should save users data	The database was created and it stored the data	`create_website_database("customer_info.db")` I fixed this issue by recalling the function again in the end to ensure that the code runs and process the create_website_databse function Then when I checked if the data is beign stored the previous sign in were available to check as well | id	name	email	psw	phone_number	location
Fil...	Filter	Filter	Filter	Filter	Filter
1	1 a	a	a	a	a
2	2 b	b	b	b	b	
Testing to check if the sign up allow the user to sinup with empty fields	Run the code and go to the sign-up page and try to sin up with empty fields	Unit testing Abnormal	The user should not be able to sign up	The user wasn't able to sign up	⚠ Please fill in this field.

Testing to check If the sign up form allows the user to sign up with an empty field	Run the code and sign up by inputting "a" in every input field	Unit testing Abnormal	The user shouldn't be able to sign up	The sign-up page allowed to sign up without using the correct formatting	
Testing to check If the sign up form allows the user to sign up with an empty field	Run the code and sign up by inputting "a" in every input field	Unit testing Abnormal	The user shouldn't be able to sign up	The sign-up page didn't allow the user to enter wrong input and outputted an error message	input type="email" type="password" The issue was that I didn't change the input type which allowed the user to log in wihtout any email formatting now it displays an error messege for wrong formatting
Testing to check if sign up page will allow tou to sign up with incorrect data	Run the code and input Name : ava Email :123 Password : 123 Location :123 Number :123	Unit testing Extreme	The user shouldn't be able to log in	The sign up page did allow that email because there was an "@" however it required more formatting	

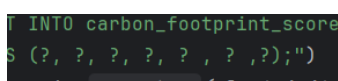|					
Testing to check if the user can login with incorrect login details	Run the code and enter this Email: dh123@gmail.com Password: 123	Unit testing Abnormal	The website should not allow the user to log in and display an error message	The login page didn't allow the user to login however it didn't display an error message	
Testing to check if the slide show in the main page works as intended	Run the code and go through each image in the slide	Unit testing Normal	The image should not go over the navigation bar	The image goes over the sticky navigation bar	The issue was that the position of the slide show was relative `position: relative;` This didn't not allow the immage to adjust to the sticky navigation abr I had to remove this position to allow the slideshow to padd under the navigation bar and not over
Testing to check If the home page sub navigation bar its working	Run the code and check if the navigation bar it's showing in the main page	Unit testing Normal	The navigation bar should be styled and do its purpose and brings the user to different sections on the text	The navigation bar its functional however even if I added the style it doesn't show as styled	How does solar power work? Why should you get solar panels? How to get started? **How does solar power work?** Solar power works by converting energy from the sun into power. There are two forms generated through the use of solar panels, which range in size from residential rooftop **Why should you get solar panels?** • Solar panels could help you save £100s a year on your electricity bills. Using the • You can get paid to export electricity you generate but don't use through the sma • Hefty upfront costs means it could take 13 years to break even. Try the Energy S **How to get started?** Get started with Rolsa Technology today by Signup.
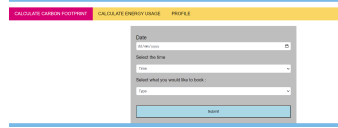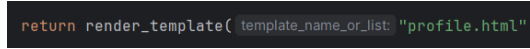
Testing to check if the website will show the footer will show consistently	Run the code to check if the footer will show the footer	Unit testing Normal	The footer should show in every page	The footer did not show in the main page	``` <div class="footer"> </div> </div> </body> </html> ``` ``` <div class="footer"> </div> </body> ``` The issue was that there was a missplacement of a div whch led the footer not to show
Testing the booking page	Run the code log in and go to the booking page	Unit testing Normal	The booking page should display as intended	The booking page did not display ad intended because	The issue was

					``body {
					    width: 500px;
					    margin: 0 auto;
					    padding: 50px;
					}```

Testing the booking page	Run the code login and go to the booking page	Non – Functional testing Normal	The booking page input should be aligned in the middle	The only input box which was aligned in the middle was the date input field	The issue was that only the date field was in this div `<div class="elem-group inlined">` Therefore I had to put all the other input field in that div as well
Testing to check if the login routes its correct	Run the code and log in	Function			
					```c", method=['GET', 'POST'])``` The issue was that methods was spelled incorectly

Add more rows and tables as required.

test

Description of test	log Description of test Test data to be used (if required)	Expected outcome	Actual outcome	Comments and intended actions

Testing the route after login	The website its not ltting the user to go to the main page	It should allow the user to go to the main page	Fdidnt allow	The issue was that there was a spelling mistake
				
				`"carbon_footprint_main_html"`
				
				`("carbon_footprint_main.html"`

Booking page not saving the data				The issue
The templet was not found because i forgot to add post method in				Fixed `", methods=['GET', 'POST'])`
The issues was that the system didnt find electricity in the form to request it				Another error was that i was trying to save it in save data however it was meant to save it in save carbon score

					Asset
				`T INTO carbon_footprint_score` `S (?, ?, ?, ?, ? , ? ,?);")` There where 5 parameter and 7 values so it didnt allow me to save the data	From
The active was showing in the carbon footprint page and not the bookin page				The issue was that the issue was that hte active tag was on the carbon footprint page and not the booking page	
When ever i tried to go to the booking page it always used to take me to the profile				The issue was that i added profile in the return templates `return render_template( template_name_or_list: "profile.html"`	

https://codepen.io/sagonzalezp/pen/pvozMBL

Price for installation https://whatcost.co.uk/solar-panels/cost?utm_source=chatgpt.com

Sum case:https://stackoverflow.com/questions/17811673/sql-query-sumcase-when-x-then-1-else-0-for-multiple-columns

Energy consumption =

https://www.bajajfinserv.in/how-to-calculate-electricity-bill#:~:text=Formula%3A%20Electricity%20Cost%20%3D%20Electricity%20Consumption.is%20%E2%82%B9200x6%20%3D%20%E2%82%B91200.

Case when sql statement https://stackoverflow.com/questions/14630984/how-do-i-do-multiple-case-when-conditions-using-sql-server-2008

SQL query https://stackoverflow.com/questions/70787236/inserting-a-sql-query-from-python

Energy usge houses type :https://www.ovoenergy.com/guides/energy-guides/how-much-electricity-does-a-home-use
Poor insulation
https://www.onlinehsa.com/how-much-money-are-you-losing-through-your-attic/#:~:text=A%20poorly%20insulated%20attic%20can,t%20even%20heat%20your%20home.&text=Don't%20think%20you're,the%20last%20time%20you%20peeked.
:
 Phone number validation :https://www.w3schools.com/tags/tryit.asp?filename=tryhtml5_input_type_tel

```sql
UPDATE energy_usage
SET energy_usage =
    (CASE WHEN :num_bedrooms = 1 THEN 3000 , WHEN :num_bedrooms = 2 THEN 4000 , WHEN :num_bedrooms = 3 THEN 5000 END)
```

This log didnt work because

```
Database error: table carbon_footprint_score has no column named recycle_aluminum
```

```css
th {
    background-color: #5072A7
    color: black;
}
```

The background color wasn working it was missing a ;

```
Database error: near ")": syntax error
```

```
ws, recycle_tin, )
```

The issue was that there was an extra coma in [   ] in save data which didnt

```
Database error: 10 values for 8 columns
```

```
INSERT INTO carbon_score (user_email,
 VALUES (?, ?, ?, ?, ?, ?, ?, ? ,? ,?);
```

```
INSERT INTO carbon_score (user_em
 VALUES (?, ?, ?, ?, ?, ?, ?, ?);
```

There was an error in the energy usage when giving the

```
Database error: Error binding parameter 8: type 'function' is not supported
```

House bedrooms impact https://www.energy-review.co.uk/guides/average-gas-and-electricity-bill-for-a-three-bed-house/

```
flights = request.form["flights"]
 recycle_news = request.form["recycle_news"]
 recycle_tin = request.form["recycle_tin"]
```

The issue was that i named it in the form as newspaper and not new which i changed

```html
<p>Do you recycle newspapers?<
<select id="recycle_newspaper"
    <option disabled selected
```

###################################
Booking function

```
ormation in the correct co
(user_email,  user_email,
nformation in the cor
e (user_email, date,
```

****
User email

```
s: (user_email,)).
```

Issue

```python
def list_carbon_score_per_user(filename ):   1 usage
```

Solution

Booking

```
Database error: 5 values for 4 columns
```

#
Issue

```
"INSERT INTO booking (user_em
"VALUES (?, ?, ?, ?, ? );")
```

Your Bookings

Date	Time	Type

```
(user_email,  user_email,
```

This was another issue
Solution

The issue was because i changed the name of the table

```
booking_history=booking_history,
```

```
body>
  {% for booking in booking %}
  <tr>
```

```
body>
  {% for booking in booking_history %}
```

```
cursor = conn.cursor()

# Delete the booking where the booking_id matches and the user_email matches
cursor.execute("""
    DELETE FROM booking_history
    WHERE booking_id = ? AND user_email = ?
""", (booking_id, user_email))

conn.commit()
conn.close()
```