

Description of Test	Test Data to Be Used (If Required)	Type of Testing	Expected Outcome	Actual Outcome	Comments and Intended Actions
Verify navigation links on the Home page.	Click each navbar link on the Home page.	Integration/Interface Testing	All links navigate to the expected pages without errors.		
Verify that the Profile/Login button is displayed correctly on the Home page based on user login status.	Log in and log out; inspect the navbar.	Functional/Integration Testing	Shows "Profile" when logged in, "Login" when logged out.		
Test responsiveness of the Home page hamburger menu at smaller screen sizes.	Resize browser below 768px; click the hamburger menu.	Responsive/UI Testing	Hamburger menu appears and toggles links correctly.		
Verify that all Product page navbar links navigate correctly.	Click all navbar links on the Products page.	Integration Testing	All links navigate to appropriate pages.		
Check if the Profile/Login button appears on the Products page navbar	Log in and visit the Products page.	Functional Testing	"Profile" button is visible in the navbar when logged in.		

when logged in.					
Verify that bookings for the selected date are displayed on the Booking page.	Select a test date; observe displayed time slots.	Functional/Interface Testing	Displays booked and available time slots for the selected date.		
Test date navigation on the Booking page.	Click "prev-date" and "next-date" buttons.	Functional Testing	The displayed date updates correctly.		
Verify that unavailable time slots are disabled and labeled on the Booking page.	Select a date with existing bookings.	Boundary/Functional Testing	Unavailable slots are disabled and labeled "Unavailable."		
Check that a successful booking displays a flash success message.	Submit a valid booking.	Functional Testing	A flash success message is displayed.		
Verify that an error flash message appears when attempting to book an unavailable time slot.	Attempt to book a previously booked slot.	Error/Boundary Testing	Displays an error flash message indicating the slot is unavailable.		

Verify that the Carbon Footprint page iframe loads correctly.	Visit the Carbon Footprint page.	Interface Testing	The iframe displays the Carbon Footprint Calculator.		
Check the Registration page functionality.	Fill out all fields with valid data; submit form.	Functional Testing	Successfully registers a new user and redirects to the login page.		
Test Registration page error handling for invalid data.	Leave fields blank or input invalid email formats; attempt to submit.	Error/Boundary Testing	Displays relevant error messages for invalid/missing inputs.		
Verify that the Profile page displays the user's personal information correctly.	Log in and navigate to the Profile page.	Functional/Interface Testing	Displays user's name, email, and other information correctly.		
Test the delete profile functionality with a confirmation prompt.	Click "Delete Profile" button and confirm.	Functional Testing	Deletes the profile and redirects to the home or login page.		
Verify that the Accessibility page font size selector updates the font size dynamically.	Change the font size from "Standard" to "Large."	Functional/UI Testing	Font size updates on the page in real-time.		

Check the Accessibility page contrast selector for functionality.	Switch between "Weak," "Standard," and "Strong" contrast options.	Functional/UI Testing	Contrast adjusts background and text colors appropriately.		
Verify that Accessibility page settings persist across sessions.	Change settings; reload page to verify persistence .	Functional Testing	The selected settings are applied on page reload.		
Test the Login functionality.	Use valid and invalid credentials to log in.	Functional Testing, Error Testing	Allows valid logins, rejects invalid ones, with appropriate messages.		
Check the Logout functionality.	Log in, then log out by clicking "Logout."	Functional Testing	Logs out the user and redirects to the home page or login page.		
Verify that user bookings appear correctly on the Profile page.	Log in and visit Profile; check listed bookings.	Functional/Interface Testing	Displays accurate booking information for the logged-in user.		
Verify that deleting a booking from the Profile page removes it successfully.	Delete a test booking from the Profile page.	Functional Testing	Successfully removes the booking and updates the list dynamically.		

Ensure that when logged in, the Profile button appears on all pages' navbars.	Log in and navigate to each page; check the navbar.	Integration Testing	Profile button is consistently visible on all pages when logged in.		
Test the Footer links on all pages.	Click the footer links for Terms, Privacy, and Accessibility.	Integration Testing	Footer links navigate to their respective pages.		
Ensure that the time slot dropdown dynamically updates when changing the date on the Booking page.	Use "prev-date" and "next-date" buttons; observe the dropdown.	Integration/Functional Testing	Time slot dropdown updates to reflect availability for the new date.		
Verify that booking data is stored correctly in the database when submitted successfully.	Submit a test booking; query the database to verify record creation.	White Box Testing	Booking record is created with correct details in the database.		
Test the navbar responsiveness across different browsers and screen sizes.	Open the site on Chrome, Firefox, Safari, and Edge; resize browser width.	Responsive/Compatibility Testing	The navbar functions correctly on all browsers and screen sizes.		

Check for database integrity when deleting a user profile.	Delete a test user profile; ensure related bookings are also removed (if applicable).	White Box Testing, Functional Testing	User data is fully removed without errors or orphaned records.		
Test boundary scenarios on the Booking page by attempting to select a date far in the future or past.	Manually set the hidden input date to a value like "2100-01-01" or "1900-01-01."	Boundary Testing	Page processes the date correctly and displays appropriate time slots.		
Verify that invalid date formats in the Booking page hidden input are handled gracefully.	Modify the hidden date input to an invalid value ("2025-13-01") and submit the form.	Error Testing, Functional Testing	Displays an error message and does not allow submission.		
Test the dynamic update of time slot dropdown using AJAX (if implemented).	Inspect the dropdown for updates via browser dev tools or logs during date changes.	Integration/Interface Testing	Time slot dropdown updates dynamically based on the selected date.		
Verify that all styles load correctly across pages (CSS consistency check).	Reload each page; inspect layout and design consistency.	Interface Testing	Styles load without errors; consistent design across all pages.		

Ensure the Terms & Conditions and Privacy Policy pages load their content correctly.	Visit Terms & Conditions and Privacy Policy pages via footer links.	Interface Testing	Content loads fully without errors.		
Check error handling for multiple users attempting to book the same time slot.	Simulate concurrent booking requests for the same time slot.	Concurrency Testing	Only one booking succeeds; others see an error message.		
Verify that changing the service type dropdown on the Booking page does not affect time slot availability.	Select a service type, then inspect the time slot dropdown.	Functional Testing	Time slot dropdown remains unchanged regardless of service type.		
Test the screen reader accessibility of the Navbar and Booking page forms.	Use screen reader software to navigate and interact with these elements.	Accessibility Testing	Screen reader announces elements correctly and allows interaction.		
Verify that required fields on the Registration and Login forms enforce input validation.	Submit forms without entering required data.	Error Testing, Functional Testing	Displays error messages for missing or invalid inputs.		

Verify that the Carbon Footprint page iframe content resizes correctly on small screens.	Resize the browser while the iframe is visible.	Responsive Testing	The iframe resizes and remains		
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