

Behaviour Driven Development – Spectrum Ltd

The tests below were repeated upon deployment of the project.

Scenario 1- Browse website

- 1- Open home page
- 2- Use nav bar to select various template views (about, shop, reviews, contact us, account (drop down) and search bar)
- 3- Use footer options for options to navigate to: about us, delivery details and contact us pages
- 4- Each top nav link should redirect to appropriate page
- 5- Each bottom nav links should also redirect to appropriate page
- 6- The logo name should redirect to home page
- 7- Login and register options and glyphicons will be viewable prior to login (when user first goes on website)
- 8- Logout and profile and glyphicons will only be viewable after logging in
- 9- The cart nav option only displays after adding items to the cart (this displays with the number of items added and glyphicon of a shopping trolley.)
- 10- The checkout page can only be seen after logging in, if not be logged in, and an attempt is made to go to checkout via checkout button on art page, the page will redirect to log in.

Actual result: Performance was as expected.

Scenario 2 – Connect on social media

- 1- Navigate to footer social media links.
- 2- Each navigation link should change colour upon hovered (the hovering does not apply for mobile, tablet users) and the colour change happens when icons are clicked.
- 3- Each navigation link when clicked will bring up a page on a new tab, this is also true on mobile and tablet however can be more disruptive as the new page is what is prominent on the device.
- 4- Each navigation link will direct to the appropriate social media page (given that no pages exist for Spectrum Ltd this will redirect to the social media home pages).

Actual result: Performance was as expected.

Scenario 3 – Contact Us

1. Go to contacts page
2. The contact page contains a form which has fields for full name, subject, from email and your message.
3. The user will be prompted to fill in any empty fields via alert messages, and will not be able to submit the form till the form is valid.
4. The user will need to enter a valid email address to send the email (eg. abc@gmail.com)
5. Upon submission the user is redirected to a thank you page which has a link to return to the homepage and information that a customer rep should be getting back to them within 2 weeks. The user will also be sent a holding email with a copy of their email if a correct email address has been provided.

Actual result: Performance was as expected.

Scenario 4 – Register, view profile, logout & login

- 1- **Registration:** Navigate to account drop down nav menu
- 2- User should only see two options on drop down nav, register and login
- 3- Upon clicking on registration user should see a login form with first name, last name, username, email address, and two password fields, the second password field being a confirmation of the first entry - All of the form should be filled in to be valid. If any fields are missing, the user is prompted to fill them by alerts. If the details have been used before email/username the user will be alerted that they need to enter a unique username and password.
- 4- The second part of the form is an address form this should have the following fields: full name, address1, address2, town/city, county, country and postcode. Again, the user will need to fill in all fields before being able to submit the form and will be prompted should any fields be missing from either the first or second form.
- 5- The user should enter a unique username and a unique email address to register.
- 6- Upon successful registration the user is redirected to the home page where an alert message will appear at the top stating they have successfully registered.
- 7- The user will have been logged in to the website.
- 8- **View Profile:** If clicked the account dropdown menu should now show only profile and logout.
- 9- The profile page will show the user their login first name, last name, username and email as well as their saved delivery address which is what was the address entered by the user on registration
- 10- The user should be able to edit and save address details if they wish by editing any form fields and saving. Again, if fields are empty the user is prompted to fill them in by alerts.
- 11- **Logout:** The user should be able to logout of the website after clicking on the log out button.
- 12- A message will display that they have logged out successfully.
- 13- **Login:** Should the user wish to login to the site the user must fill in the same email/username and password used in registration to log in to the site. Should the user enter an incorrect email/username and address they will be alerted that the details are incorrect.
- 14- A message will then display at top of homepage to alert the user that they have logged in successfully.

Actual result: Performance was as expected.

Scenario 5 – Reset Password

- 1- User goes to login page but has forgotten their password
- 2- They click the reset password link on the page
- 3- The user is redirected to the reset password page where they are prompted to enter their email address
- 4- After submitting a correct email address, they are redirected to a page explaining that the reset link has been sent
- 5- The user will receive an email shortly from Spectrum Ltd with a reset password link
- 6- The user will need to check their emails for the message which will contain a reset link.
- 7- When the user clicks the link, it will open a new tab with a form which requests the user to change their password, upon completion of the form the user will be redirected to a page stating the reset was successful with a link to the login page.

Actual result: Performance was as expected.

Scenario 6 – User wishes to add, edit, delete a review of a product

- 1- The user can read reviews of a product on the reviews page and click to read more content.
- 2- The user must log in to add a review of a product, and can edit and delete only their own review with the exception of the superusers who can edit and delete all user reviews. These rights were given to ensure that no abuse or spam is added to the page.
- 3- After login the user navigates to reviews or products to add a new review via one of the add a review links on the page.
- 4- The user must fill in the entirety of the form: name of review, review comments, product and rating, to submit a review with the exception of image upload which can be left blank. There will be an alert prompt to fill in all other fields if left empty.
- 5- On publication/submission the user will be directed to their review which will display the above entered content and a publication date as well as their name as the author of the post.
- 6- If still logged in the user will be able to go back to all reviews (customer reviews page), edit their review or delete their review.
- 7- To edit the review the user clicks the light blue edit review button makes changes via the form and clicks save button to save the review. When the user edits a review the published date will change to the date when the user last saves the review.
- 8- To delete the review the user clicks the red delete button and will be returned to the home page shortly after.
- 9- User will not be able to edit or delete any review other than their own unless they are superuser. If a superuser edits a review the author name will change to the superuser's username.
- 10- When reading reviews on the customer reviews page all reviews will truncate to 100 characters for formatting purposes. Further details can be read in the read more button.

Actual result: Performance was as expected.

Scenario 7 – User wishes to search for product via search bar

- 1- Use drop down search menu in nav bar to search for a product
- 2- User will be redirected to the product page with products matching their search term. This is distinguished by the product description and not the product name alone.
- 3- If the user searches for a term that matches no products a message will display on the page that no products have matched the search results and a link provided to look at the entirety of products offered on the page.

Actual result: Performance was as expected.

Scenario 8 – User wishes to filter product on shop page

- 1- Navigate to shop page and use drop down menu to filter product images in shop
- 2- User can sort by price: Low to High, price: High to Low, alphabetically A-Z and Z-A, and filter to view only A2 images, A3 images and A4 images.
- 3- On medium to large devices the user can also filter images by colour based on tags on page.

Actual result: Performance was as expected.

Scenario 9– User wishes to add, amend, remove product from cart

- 1- User navigates to products and adds an image to their cart
- 2- The user then navigates to cart page on nav menu which has appeared in the nav bar
- 3- The user will see the product and the quantity they added to the cart.
- 4- The quantity can be adjusted by using the arrows from 0 to 50 and clicking on button amend
- 5- If the user clicks on 0 and amends their cart, the product will be removed from cart and they will be taken to the home page where a message will display to inform user that review is deleted.
- 6- If the user amends to anything higher than 0 they will be kept on cart page.

Actual result: Performance was as expected.

Scenario 10 – User wishes to checkout with products and make payment

- 1- Following on from scenario 9
- 2- If the user has 1+ quantity items in their cart they can go to checkout
- 3- The user is logged in or will need to log in if not already
- 4- On the checkout page there will be an overview of the products in the cart, the overall delivery charge and the total cost as well as the delivery address they completed upon registration
- 5- The user will need to complete the billing address form and their card details to make payment
- 6- The user will be alerted to complete all fields in the billing address form. There will also be alerts if an invalid CVV is entered, if the card number is not recognised and if the expiry date is incorrect.
- 7- If all fields are completed and there is still incorrect information the page will display an error stating that the payment card could not be taken
- 8- If all fields are completed and accepted a message will appear that the payment was successful and the user will be redirected to the home page.

Actual result: Performance was as expected.

Developer Testing:

Scenario 11– Spectrum Ltd page will be responsive to all devices and can be displayed by users on a range of devices from iPhones, android mobile, laptops, iPads and tablets.

- 1- Open the page and test on several devices
- 2- Navigate and test functionality on Android mobile, then iPhone, iPad/tablet and laptop.

Expected Results

- 1- Headings and fonts of each page should change across devices
- 2- Photos should be resized across devices
- 3- The nav menu should collapse into a toggle menu icon for smaller devices

Explanation – the sizing changing across devices here means smaller sizing for smaller devices and larger sizing for larger devices for enhanced user experience.

Actual result: Performance was as expected.

Scenario 12—The Spectrum-Ltd will be responsive to across browsers.

- 1- Open the dashboard on several browsers
- 2- Navigate to each page of dashboard on Opera, Chrome, IE, Edge and Firefox.

Expected Results

- 1- The pages should be displayable across browsers and general functionality of the site should work the same across all browsers
- 2- The fonts and display should be the same across browsers

Actual result: Performance was as expected.