**Individual Project Use Cases**

**Functionalities:**

* Catalog
* Product page
* Shopping Cart
* Contact page

**Title:** Catalog

**Description:** Allows of the user to browse and view more detailed information about select items.

**Actors:** User

**Triggers:** clicking the Catalogbutton on the homepage which takes the user to a catalog using items from the Amazon API. The base price is provided by the Amazon API and the displayed cost is the sum of the base cost and an amount specified by the store owner to account for the cost of labor.

**Main Course:**

1. The user clicks on the desired filter under the filter menu on left side of the catalog and the catalog page is updated.
2. The user selects a preferred brand under the filter menu on left side of the catalog and the catalog page is updated.
3. The user clicks on the drop-down menu in the upper right of the catalog page and selects either the ‘featured’ or ‘lowest to highest’ filter setting.
4. The user clicks on the desired item which takes them to a corresponding product page.

**Alternative Course(s):**

**AC1:** The User leaves the catalog page after steps 1, 2, or 3.

1. None of the filters are saved and the user must start the main course again from step 1.

**Exception(s):**

**EX1:** The user purposefully clicks on a different button from the header menu and is sent to a different webpage.

**Pre-condition(s):** The User is on the catalog page of the website.

**Post condition(s):** The User is on the product page of their desired product.

**Title:** Product page

**Description:** Allows for the user to view more detailed information about a specific item and add the item to their shopping cart. The information for each product is taken from the Amazon API. The base price is provided by the Amazon API and the displayed cost is the sum of the base cost and an amount specified by the store owner to account for the cost of labor.

**Actors:** User

**Triggers:** The User clicks on a product from the catalog and is taken to the product page.

**Main Course:**

1. The user views information provided on the product page and clicks the ‘Add to Cart’ button.

**Alternative Course(s):**

**AC1:** The user clicks on a product from the related product section instead of the ‘Add to Cart’ button.

1. The user is taken to a different product page.
2. The user will be redirected through either the main course or AC1 again.

**Exception(s):**

**EX1:** The user purposefully clicks on a different button from the header menu and is sent to a different webpage.

**EX2:** The user purposefully goes back to the previous page using their browser and uses the Catalog again.

**Pre-condition(s):** An item has been selected from the catalog.

**Post condition(s):** The User has the desired item in their shopping cart.

**Title:** Shopping Cart

**Description:** keeps an inventory of the items that the user is going to purchase and allows for them to pay for the items in their inventory. The FedEx API provides the shipping cost based on the weights of the products from the Amazon API. The Stripe API handles the payment process using the information provided by the user on the payment page of the website.

**Actors:** User

**Triggers:** The User clicks on the shopping cart page

**Main Course:**

1. The user clicks the ‘Checkout’ button and is taken to the payment page.
2. The user enters the required information (card information, name, address, email)
3. The user selects the ‘Proceed’ button to submit payment.
4. The user is taken to a confirmation page with a link that allows for the user to return to the Homepage of the site. An email with a tracking number is sent to the user’s email.

**Alternative Course(s):**

**AC1:** The User confirms their information by clicking a submit button, but the information entered is incorrect or incomplete.

1. An error message is generated on the payment page informing the user.
2. The user is redirected to Main course steps 1.

**AC2:** The user leaves the payment page.

1. None of the data entered would be saved. The user is redirected to Main course steps 1.

**Exception(s):**

**EX1:** The user purposefully clicks on a different button from the header menu and is sent to a different webpage.

**Pre-condition(s):** The User has already browsed the catalog to access product page(s) and has clicked the ‘Add to Cart’ button on One or more product pages. So that one or more items are in their shopping cart.

**Post condition(s):** The user has completed the desired purchase and a tracking number is provided through email.

**Title:** Contact

**Description:** The user can contact the store owner through email. The Email provided by the user is necessary for this feature of the site to be used. The email is verified as legitimate using the Mailgun API.

**Actors:** User

**Triggers:** The User clicks the contact button on the front-page’s menu.

**Main Course:**

1. The User enters their Name, Email address, Subject of the Email, and Message into the appropriate sections of the form.
2. The User clicks the ‘Send’ button at the bottom of the form to submit it.

**Alternative Course(s):**

**AC1:** The User does not provide an email Address

1. When the ‘Send’ button is clicked in step 2 of the Main Course, an error occurs and an error message informing the User to provide email pops up on the site.
2. The user is redirected to step 1 of the main course.

**AC2:** The email that the user provides is invalid.

1. This is accounted for by the Mailgun API and an error message occurs informing the user that the email entered is not valid.
2. The user is redirected to step 1 of the main course.

**Exception(s):**

**EX1:** The user purposefully clicks on a different button from the header menu and is sent to a different webpage.

**Pre-condition(s):** The user is currently on the contact page

**Post condition(s):** An email is sent to the store owner with the email that the User provided as the recipient.