Testing Plan for Orinoco web site

Prepared for: John Smith, Senior Developer
Prepared by: Joe Bateman, Junior Web Developer
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Overview

Introduction

This plan describes the testing approach that will serve as the fundamental strategy for our Orinoco website. The purpose of the website is to populate the frontend pages with information generated by the backend APIs. There are three API endpoints set up for this purpose. We have also used Bootstrap to design a simplistic layout of the website.

The product requirements for the Orinoco website are as follows:

1. Information is correctly retrieved and populated from each of the three API endpoints
2. A dropdown box with product options appears on the product page
3. The order is successfully submitted on the cart page if the shipping form passes validation
4. Items can be updated from the cart

Features to Test

1. Information is correctly retrieved and populated from each of the three API endpoints
   - Given 'node server' is run from the terminal, depending on which API is called on index.html, information dynamically populates across the four html pages. This information is generated across the four pages: *'index.html', 'product.html, 'cart.html'* and *'confirmation.html'*

2. A dropdown box with product options appears on the product page
   - Given a product is selected on the index page, we should be taken to the product page and a list of options should display in a dropdown box. Given the user selects an option and adds it to the cart, the cart page should reflect this choice

3. The order is successfully submitted on the cart page if the shipping form passes validation
   - Given the contact form details are filled out correctly, when the order button is clicked, the order is submitted to the backend and the user is taken to the confirmation page where they will see a thank you message, the total price of their order and a unique order ID. Query parameters are used to pass this information into the confirmation page

4. Items can be updated and deleted from the cart
   - Given there are items in the cart, when the quantity of items in the cart is modified or items are deleted, the product total should automatically update and if removed, items should disappear from view on the cart page

Features not tested

1. Bootstrap is used correctly for page responsiveness across different screen sizes and general UI
2. The cart icon and page correctly update each time a product is added to the cart
   a. The cart number updates (both increase and decrease) based on the quantity of items added or removed.
   b. Item updates in the top right-hand corner when items are added on the product page or added/subtracted/deleted on the cart page
3. By changing the 'apiName' variable in index.js, all content info updates automatically. This is so we don't need to change the api name on multiple pages