**MWA Project- Shopping Cart Implementation.**

**Problem Statement:**

A shopping cart is a list that contains products selected by the user while they shop. When the user is finished shopping, they will examine the list to double-check that the items, quantities, and prices are correct. User should be able to edit the list. Once ready, user will check out. The checkout process involves an exchange of information that results in a sale.

**Use-Case:**

1. **Add Items to Cart:**The user will see a list of Products Available on the home page and user should be able to select the items they want and add to the cart.
2. **Updating the Shopping cart:**The user should be able to update the shopping cart by removing the product and updating product about before checking out
3. **Searching Product:**The user should be able to narrow down the products by category also narrow down product by searching.
4. **Product Detail:**The user will be able to view details about a product in the list by clicking on it
5. **Checkout:**The user will be able see the calculated total about and process the check out by filling the necessary payment information
6. **Login/Logout:**The user cannot access the checking out page without being logged in and so the login should maintain the state and security of the user information

**Technologies:**

* **Mongo Db** 
  1. Store the product
* **Angular**
  1. Routing: navigating through pages
  2. Guards: checks if the user is logged in before routing to the checkout page
  3. Directive: customizing pages
  4. Security JWT : login and logout
  5. Pipes: group by category
  6. Forms: for log in and payment
  7. Services: router in login, data base
* **Node/Express**
  1. Observables
  2. ECMA6

**Pages:**

1. **Login**
2. **Product details**
3. **Checkout/payment**
4. **Shopping cart**
5. **Homepage**