**NAGP ASSIGNMENT 2021: Angular**

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Logo

Navigation Bar

Cart

Sigin/Login

Product  
Item

Product  
Item

Product  
Item

Product  
Item

Footer

**Fig: Architecture Design: Home Page**

Logo

Navigation Bar

Cart

Sigin/Login

Sigin Form  
email:

Password:

Footer

**Fig: Architecture Design: Login Page**

**Fig: Architecture Design: Checkout Page**

Cart  
Subtotal

Logo

Navigation Bar

Cart

Sigin/Login

Cart  
Item

Footer

**SOLUTION:**

* The web app consists of the following,
  + Components:
    - Header
    - Checkout-subtotal
    - Checkout-product
    - Footer
    - Banner
    - Products
  + Pages:
    - Home
    - Login
    - Checkout
  + Services:
    - Api service
    - Authentication service
    - Shopping Cart service
  + Data & Images:
    - Stored in assets folder in JSON format.

**EXPLANING THE COMPONENTS:**

1. **Components:**
   1. Header:
      1. It consists of logo for web page that is a redirecting link to home page.
      2. Cart icon: redirects to checkout page.
      3. Sigin icon: redirects to login page.
   2. Checkout Subtotal: Receives data present in cart from the Shopping\_cart service and presents the subtotal for all the items present in the cart.
   3. Checkout Product: Receives data present in cart from the Shopping\_cart service and presents the products present in the cart.
   4. Products: Receives data present in cart from the Api Service and presents the products present in the JSON file.
   5. Footer: Displays the footer content.
2. **Pages:**
   1. Home Page: router link “/”
   2. Login Page: router link “/login”
   3. Check out Page: router link “/checkout”.
3. **Services:**
   1. Api Service: Reads Data from JSON file and provides data to other components.
   2. Shopping Cart Service: Reads the content of Cart via localStorage () and provides this data to other components.
   3. Authentication Service: Firebase Authentication is used for login/user authentication.

**RUN THE PROJECT:**

1. Go to the directory of the project.
2. Build project using NPM (install node js and angular cli)

>> npm install (to install all the node modules as a dependencies)

>> ng serve -o (to run the project on localhost in a new tab).

**LINK OF THE PROJECT:**

* + 1. GitHub: https://github.com/samraazeem/NAGP\_ANGULAR\_ASSIGNMENT.git
    2. Netlify:
    3. Firebase: