

SINGLE PAGE APPLICATION ON E- COMMERCE WEBSITE

ABSTRACT

The e commerce website will be developed to facilitate shopping by viewing products category- wise and checking out when the user is satisfied with the cart. The user can sign up to create an account and start shopping.

Business-Requirement: An Overview

The **online shopping website** will be allowing the users to see the products and purchase the products by adding them to the cart.

The features of this online shopping website are as follows:

1. Login and Signup options are available for the user.
2. Only Admin can add the products and do modifications of the products.
3. Users have the option of creating an account to log in to the website.
4. Users can view the products category wise and can add multiple products to the cart.
5. Users can save their cart or they can proceed for checkout.

Signup - Signup module will allow the user to register themselves into the system. The details of user will be saved to the database.

Login - After signup is successful, Login module will allow the user to log in to the system using their credentials. The credentials will be verified in this stage.

About Us and Contact - Organization's contact details will be provided to the user on this page. It will contain email id, phone number, and address.

Privacy Statement- The details of users will be stored in the database to verify their credentials so the privacy statement will display the terms and conditions for the use of users' data.

Product details- Products will be displayed according to the category in the Home page. The products can be searched by their name also.

Cart - User can add and delete items to the cart. Multiple items can be added to the cart.

Checkout - User will checkout once they finalize the products they want to buy. All the products that user wants to buy will appear with the total price of the items displayed along with taxes and delivery charges.

Admin's role- The products will be added and deleted from the website by the admin. The users can only browse and shop the products that are added by the admin.

Technical Specifications

Front End and Back End

- AngularJS (version 11 with typescript 4.0)
- Bootstrap - 3.0 or above
- HTML 5
- CSS 3
- Spring Boot
- Spring Data JPA

Database Used

- MySQL

Testing

- Postman
- JUnit

Team Collaboration Platform

- GitHub

Deployment & Infrastructure

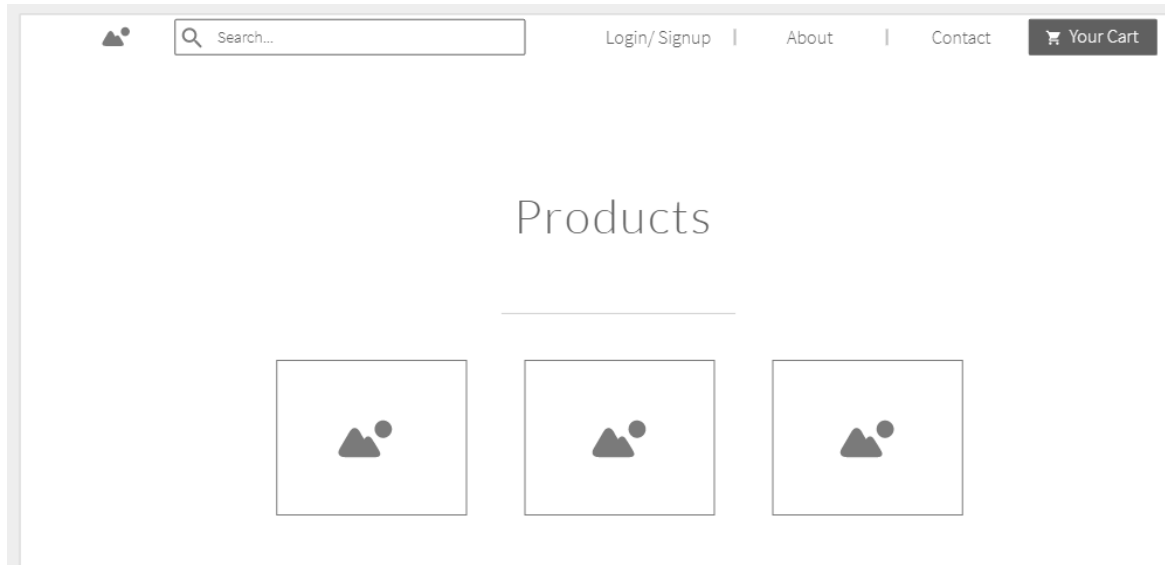
- Docker
- Dependency Management Tool- NPM

Editors

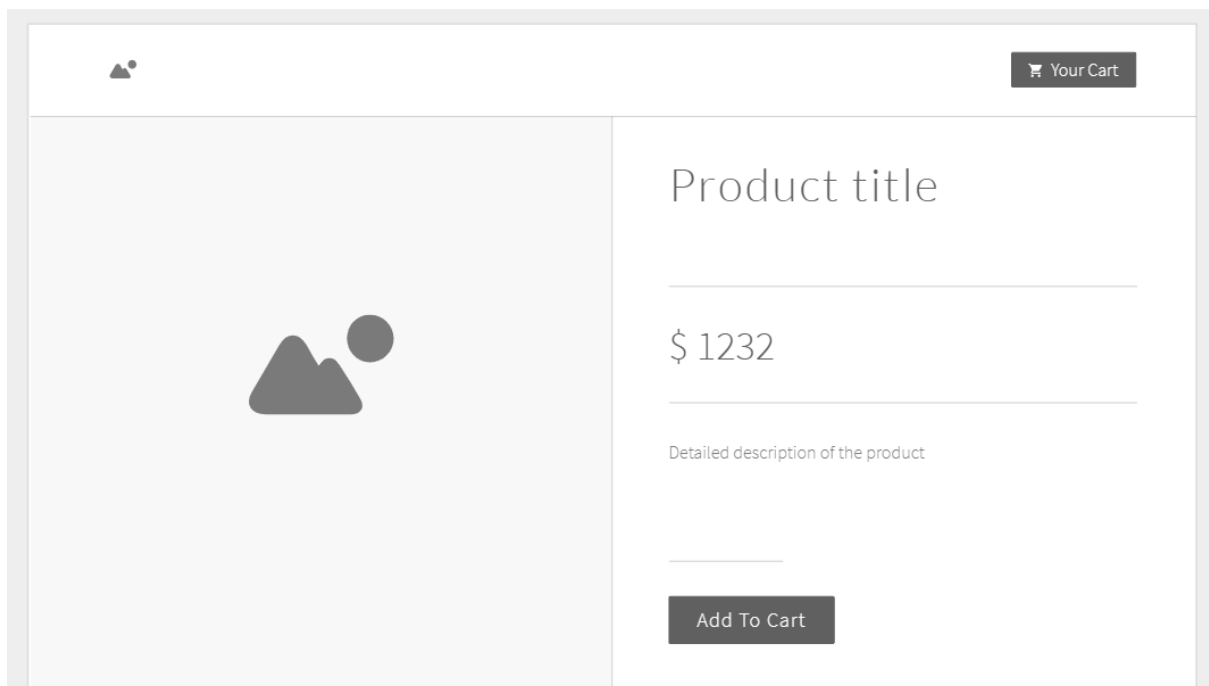
- Visual Studio Code
- Eclipse IDE
- Sublime Text

Wireframes

Sample Home Page



Sample Product Details Page

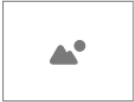


Sample Cart

Cart Details

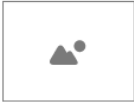
Checkout

Shopping Cart



PRODUCT NAME
Lorem ipsum dolor sit amet, consectetur
\$300

1 pcs



PRODUCT NAME
Sed do eiusmod tempor incididunt ut labore et
\$300

1 pcs

Summary

SUBTOTAL\$600

SHIPPINGFREE

TAXES\$13

TOTAL\$613

Next

Cancel

Sample sign up page

SIGN UP

John

Doe

No name, 123

12345

john@justinmind.com

1234567890

CREATE ACCOUNT

