Capstone Project

Project Name - ShopForHome

Problem Statement: ShopForHome is a popular Store in the market for shopping the home décor stuff . Due to Covid 19 all the offline shopping stopped. So, the store wants to move to the cloud platforms and wants their own web application.

There are 2 users on the application: -

1. User
2. Admin

User Stories:

1. As a user I should be able to login, Logout and Register into the application.
2. As a user I should be able to see the products in different categories.
3. As a user I should be able to sort the products.
4. As a user I should be able to add the products into the shopping cart.
5. As a user I should be able to increase or decrease the quantity added in the cart.
6. As a user I should be able to add “n” number of products in the cart.
7. As a user I should be able to get the Wishlist option where I can add those products which I want but don’t want to order now.
8. As a user I should get different discount coupons.

Admin Stories –

1. As an Admin I should be able to login, Logout and Register into the application.
2. As an Admin I should be able to perform CRUD on Users.
3. As an Admin I should be able to Perform CRUD on the products.
4. As an Admin I should be able to get bulk upload option to upload a csv for products details
5. As an Admin I should be able to get the stocks.
6. As an Admin I should be able to mail if any stock is less than 10.
7. As an Admin I should be able to get the sales report of a specific duration.
8. As an Admin I should be able to set the discount coupons for the specific set of users

Instructions –

1. Please use a folder on server to upload the images
2. Please share the database structure in the .sql file
3. Please create a separate microservice for reports and discount coupons.
4. Please use separate port to deploy the Angular UI and Spring Boot Microservice
5. Please use the UI designing tool like(Bootstrap or Material) to make your UI better
6. Please use Material UI to create the UI.
7. Application should be deployed on EC2 instances in an autoscaling group behind an application load balancer. A user-data script can be used to install the application on the instances by fetching it from S3 buckets

For Reference please visit :- https://www.pepperfry.com/

Sprint I Objectives

1. Create git repository
2. Create database schema (all tables along with their relationships)
3. Create entities in Spring
4. Create Microservice based structure.
5. CRUD on User and Products
6. Create an eCommerce Template in Angular (Static only) to hold images and products lists.
7. Develop Search Functionality in Angular
8. Bulk upload implementation.

Sprint II Objectives

1. Cart option.
2. Stock and Sales reports
3. Create Data Transfer objects
4. Create repository
5. Create Service layer logic
6. Create Controller to direct rest api
7. Create Discount Microservice