Project-2 Requirements

Within groups, you are going to build a full stack E-Commerce App that provides the core features present in many common e-commerce applications. General functionality will include features such as creating and logging into an account, viewing products and my profile, as well as adding items to a cart and checking out.

User Stories

- As a User, I should be able to log into the application.
- As a User, I should be able to register a new account.
- As a User, I should be able to create and maintain a profile page.
- As a User, I should be able to see a list of available products for me to add to my cart.
- As a User, I should be able to add items to my cart that I will later purchase or remove from my cart.
- As a User, I should be able to checkout with the items in my cart, purchasing them and removing them from the inventory.
- As a User, I should be able to see my previous orders in a list with details of the purchase.

Additional Requirements

You are responsible for detailing the README.md with general application information, prerequisites/additional software needed to get started, Environment Variables needed to be set, etc

Required Technologies for RESTful Wep Application

- Spring Boot (With Spring Data and Spring Web)
- HTML/CSS/JavaScript
- AWS Cloud Resources for Deployment:
  - PostgreSQL RDS
  - Spring Boot Backend deployed on EC2
  - Frontend deployed on S3 bucket
- CI/CD Pipeline with Jenkins or AWS Elastic Beanstalk
- GitHub (*Each team must maintain a repository to which all members contribute*)
- Unit Tests & Logging -Presentation

> Present your app with a slide show and talk us through any extra technologies you implemented either within your application or to track the progress of your sprint.

General Presentation Guidelines

Zoom Backgrounds

- No animations or moving backgrounds.
- Nothing offensive on backgrounds.
- All members must have the same background.

Preparations

- Business professional attire.
- Cameras always on for all members.
- Everyone must speak during presentation.

What *Should* Be Included in the Presentation

- Technologies Utilized
- GitFlow and Branching Strategies
- Team Structure
- Architecture Diagram
- Agile/Scrum Implementation
- ERD Diagram
- List of Features Implemented
- Outstanding Defects & Issues
- Challenges Faced
- Thorough project demo

Considerations to Make

-Make sure multiple people answer questions during Q&A -Have a code freeze at least 24-48 hours before the showcase

Communication is the Key to Success

Suggestions:

- Use a Kanban Board like Trello
- Use a Burndown Chart