

Sprint Backlog for the First Sprint

This sprint will focus on **user authentication**, setting up the **frontend skeleton**, and building essential backend functionality for the e-commerce app. Here's the detailed **Sprint Backlog**:

1. Frontend Tasks

1.1 Create Splash Screen

- **Task Description:**
Design and implement the app's splash screen that appears on startup. Include the app's logo and branding.
 - **Subtasks:**
 - Design the splash screen layout (static or animated).
 - Implement navigation to the appropriate screen (e.g., login or home page) after a delay.
 - Ensure responsiveness across devices.
 - **Assigned To:** Mohamed
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1.2 Create Register, Login, and Forget Password Screens

- **Task Description:**
Build screens for user registration, login, and password recovery, with an option to specify if the user is a customer or a seller.
- **Subtasks:**
 - **Register Screen:**
 - Input fields: Name, email, password, and user type (customer or seller).
 - Button for form submission.
 - **Login Screen:**
 - Input fields: Email and password.
 - "Forgot Password" link.
 - **Forget Password Screen:**
 - Input field: Email address.
 - "Submit" button.

- Design error messages for invalid inputs (e.g., empty fields, invalid email).
 - Implement navigation between these screens.
 - **Assigned To:** Merna
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1.3 Create Initial Home Page

- **Task Description:**
Create a simple placeholder home page that users land on after successful login.
 - **Subtasks:**
 - Add a placeholder layout with dummy content (e.g., "Welcome").
 - Prepare a scalable structure for adding dynamic content in later sprints.
 - **Assigned To:** Mohamed
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2. Backend and Database Tasks

2.1 Create Customer and Seller Database

- **Task Description:**
Set up tables in the database for customers and sellers with the necessary fields.
 - **Subtasks:**
 - **Customer Table:**
 - Fields: id, name, email, password, etc.
 - **Seller Table:**
 - Fields: id, name, email, password, etc.
 - Add constraints: Email uniqueness, non-nullable fields.
 - Write SQL queries to initialize the tables.
 - **Assigned To:** Moaz
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2.2 Create API Endpoints

- **Task Description:**
Develop and test the backend API endpoints for authentication and password management.
- **Subtasks:**
 - **Register Endpoint:**

- Accept user details (type, email, password) and create a new entry in the appropriate table.
 - Hash passwords before saving.
 - Return success or error response.
 - **Login Endpoint:**
 - Validate credentials against the database.
 - Generate and return authentication tokens for valid users.
 - **Change Password Endpoint:**
 - Validate user identity (via email).
 - Update the password in the database (after hashing).
 - Write unit tests for each endpoint.
 - **Assigned To:** Sara and Khetam
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Sprint Goals

- Deliver a functional authentication flow.
- Establish a basic app skeleton with the splash screen, authentication screens, and a placeholder home page.
- Lay the foundation for backend APIs and database structure.