Fictitious Project

Epics and Features for E-Commerce Platform

### Epic 1: User Account Management

* **Feature 1.1**: User Registration and Login
* **Feature 1.2**: Profile Management
* **Feature 1.3**: Password Recovery and Security

### Epic 2: Product Catalog

* **Feature 2.1**: Product Listing and Search
* **Feature 2.2**: Product Details Page
* **Feature 2.3**: Category and Filter Management

### Epic 3: Shopping Cart and Checkout

* **Feature 3.1**: Add to Cart Functionality
* **Feature 3.2**: Cart Management (update, remove items)
* **Feature 3.3**: Checkout Process
* **Feature 3.4**: Payment Gateway Integration

### Epic 4: Order Management

* **Feature 4.1**: Order History and Tracking
* **Feature 4.2**: Order Cancellation and Returns
* **Feature 4.3**: Invoice Generation

### Epic 5: Customer Support

* **Feature 5.1**: Live Chat Support
* **Feature 5.2**: FAQ and Knowledge Base
* **Feature 5.3**: Ticketing System for Issues

### Epic 6: Marketing and Promotions

* **Feature 6.1**: Discount and Coupon Management
* **Feature 6.2**: Email Marketing Campaigns
* **Feature 6.3**: Product Recommendations and Upselling

### Epic 7: Analytics and Reporting

* **Feature 7.1**: Sales and Revenue Reports
* **Feature 7.2**: Customer Behavior Analytics
* **Feature 7.3**: Inventory and Stock Reports

**To-Do List Project**

Project Specification: To-Do List Web Application

Project Overview

The To-Do List Web Application is designed to help users manage their tasks efficiently. The application will allow users to create, view, update, and delete tasks. It will be a responsive web application accessible from both desktop and mobile devices.

Key Features

**User Registration and Authentication**

* Users can create an account using an email address and password.
* Implement secure login and logout functionality.
* Password recovery option via email.

**Task Management**

* **Create Task**: Users can add new tasks with a title and optional description.
* **View Tasks**: Display a list of tasks with the ability to filter by status (e.g., all, active, completed).
* **Update Task**: Users can edit task details, including title, description, and status.
* **Delete Task**: Users can remove tasks from their list.

**Task Organization**

* **Categories/Tags**: Allow users to categorize tasks using tags.
* **Due Dates**: Option to set and modify due dates for tasks.
* **Priority Levels**: Assign priority levels (e.g., low, medium, high) to tasks.

**User Interface**

* Responsive design to ensure usability on various devices (desktop, tablet, mobile).
* Intuitive and user-friendly interface with clear navigation.

**Notifications**

* Optional email or in-app notifications for upcoming due dates or overdue tasks.

Technical Specifications

**Frontend**:

* HTML, CSS, JavaScript
* Framework: React.js or Vue.js

**Backend**:

* Language: Node.js
* Framework: Express.js
* Database: MongoDB or PostgreSQL

**Authentication**:

* JWT (JSON Web Tokens) for session management.

**Features and PBIs for To-Do List Project**

* **Feature 1.0**: As a user, I want to manage my account securely so that I can protect my personal information.
  + **PBI 1.1**: As a new user, I want to register with my email and password so that I can create an account and access the application.
  + **PBI 1.2**: As a registered user, I want to log in and log out securely so that I can access my tasks safely.
  + **PBI 1.3**: As a user who forgot my password, I want to recover it via email so that I can regain access to my account.
* **Feature 2.0**: As a user, I want to manage my tasks effectively so that I can keep track of my responsibilities.
  + **PBI 2.1**: As a user, I want to create a new task with a title and description so that I can keep track of what I need to do.
  + **PBI 2.2**: As a user, I want to view a list of my tasks with filtering options so that I can easily manage them.
  + **PBI 2.3**: As a user, I want to edit my tasks so that I can update their details as needed.
  + **PBI 2.4**: As a user, I want to delete tasks so that I can remove tasks I no longer need.
* **Feature 3.0**: As a user, I want to organize my tasks efficiently so that I can prioritize and categorize them.
  + **PBI 3.1**: As a user, I want to add categories or tags to my tasks so that I can organize them better.
  + **PBI 3.2**: As a user, I want to set due dates for my tasks so that I can prioritize my work.
  + **PBI 3.3**: As a user, I want to assign priority levels to tasks so that I can focus on what’s most important.
* **Feature 5.0**: As a user, I want to receive timely notifications so that I can stay informed about my task deadlines.
  + **PBI 5.1**: As a user, I want to receive email notifications for upcoming tasks so that I don’t miss deadlines.
  + **PBI 5.2**: As a user, I want in-app notifications for overdue tasks so that I can address them promptly.

**A Large PBI 2.2 for To-Do List Project**

### PBI 2.2: View a List of Tasks with Filtering Options

**User Story**: As a user, I want to view a list of my tasks with filtering options so that I can easily manage and prioritize them.

#### Acceptance Criteria:

1. **Default Task List Display**:
   * **Given** the user is logged in and navigates to the task page,
   * **When** the page loads,
   * **Then** all tasks should be displayed by default in chronological order with the most recent tasks at the top.
2. **Filtering by All Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “All” filter option,
   * **Then** all tasks, regardless of status, should be displayed.
3. **Filtering by Active Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “Active” filter option,
   * **Then** only tasks that are not marked as completed should be displayed.
4. **Filtering by Completed Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “Completed” filter option,
   * **Then** only tasks that are marked as completed should be displayed.
5. **Filter Persistence**:
   * **Given** the user has selected a filter option,
   * **When** the user navigates away from and then returns to the task list page,
   * **Then** the previously selected filter option should still be applied.
6. **Task Display Format**:
   * **Given** tasks are displayed in the list,
   * **When** a task is listed,
   * **Then** it should display the title, truncated description, due date (if set), priority level (if set), and status indicator.
7. **Responsive Design**:
   * **Given** the user accesses the task list on different devices,
   * **When** the screen size changes,
   * **Then** the layout should adjust without losing functionality.
8. **Performance**:
   * **Given** there are up to 100 tasks,
   * **When** the task list loads or a filter is applied,
   * **Then** the list should update within 2 seconds.
9. **Accessibility**:
   * **Given** the user is navigating with a keyboard,
   * **When** the user accesses filtering options,
   * **Then** all options should be selectable via keyboard, and screen readers should announce the number of tasks and current filter.
10. **Error Handling**:
    * **Given** there is an error loading tasks,
    * **When** the page attempts to load tasks,
    * **Then** an error message should be displayed with an option to retry.
11. **No Tasks Scenario**:
    * **Given** the selected filter results in no tasks,
    * **When** the task list is displayed,
    * **Then** a message indicating no tasks are found should be shown, with a link or button to create a new task.

### **PBI2.2 Split into PBI2.2A and PBI2.2B**

### PBI 2.2a: View a List of Tasks

**User Story**: As a user, I want to view a list of my tasks so that I can see what I need to work on.

#### Acceptance Criteria:

1. **Default Task List Display**:
   * **Given** the user is logged in and navigates to the task page,
   * **When** the page loads,
   * **Then** all tasks should be displayed by default in chronological order with the most recent tasks at the top.
2. **Task Display Format**:
   * **Given** tasks are displayed in the list,
   * **When** a task is listed,
   * **Then** it should display the title, truncated description, due date (if set), priority level (if set), and status indicator.
3. **Responsive Design**:
   * **Given** the user accesses the task list on different devices,
   * **When** the screen size changes,
   * **Then** the layout should adjust without losing functionality.
4. **Performance**:
   * **Given** there are up to 100 tasks,
   * **When** the task list loads,
   * **Then** the list should update within 2 seconds.
5. **Error Handling**:
   * **Given** there is an error loading tasks,
   * **When** the page attempts to load tasks,
   * **Then** an error message should be displayed with an option to retry.
6. **No Tasks Scenario**:
   * **Given** there are no tasks to display,
   * **When** the task list is displayed,
   * **Then** a message indicating no tasks are found should be shown, with a link or button to create a new task.

### PBI 2.2b: View a List of Tasks with Filtering Options

**User Story**: As a user, I want to filter my list of tasks by status so that I can focus on specific tasks.

#### Acceptance Criteria:

1. **Filtering by All Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “All” filter option,
   * **Then** all tasks, regardless of status, should be displayed.
2. **Filtering by Active Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “Active” filter option,
   * **Then** only tasks that are not marked as completed should be displayed.
3. **Filtering by Completed Tasks**:
   * **Given** the user is on the task list page,
   * **When** the user selects the “Completed” filter option,
   * **Then** only tasks that are marked as completed should be displayed.
4. **Filter Persistence**:
   * **Given** the user has selected a filter option,
   * **When** the user navigates away from and then returns to the task list page,
   * **Then** the previously selected filter option should still be applied.
5. **Accessibility**:
   * **Given** the user is navigating with a keyboard,
   * **When** the user accesses filtering options,
   * **Then** all options should be selectable via keyboard, and screen readers should announce the number of tasks and current filter.