Project Requirements

### Functional Requirements

FR1 User Registration and Login (JWT Auth): Users must be able to register and log in securely using JSON Web Token-based authentication.

FR2 Add Delivery Log: Users can add a new delivery record by entering courier name, tracking number, item title, and expected delivery date.

FR3 View Delivery Records: Users can view a list of all their deliveries with status, date, and item details.

FR4 Search, Filter & Sort Records: Users can search delivery logs and sort/filter by status or delivery date.

FR5 Display visual analytics charts on the user dashboard, including delivery status distribution, courier usage, and delivery trends over time.

FR6 Courier Tracking Integration: System fetches real-time delivery status using a third-party tracking API (e.g., TrackingMore API).

FR7 Smart Tips & Quotes: Random tips or quotes related to packaging, motivation, or delivery are shown to users.

FR8 PDF Export: Users can export their delivery records in PDF format.

FR9 Admin Panel: Admin can view all user delivery logs, manage user accounts, and update delivery statuses.

### Non-Functional Requirements

NF1 Responsiveness: The UI must be responsive and optimized for both desktop and mobile screens.

NF2 Usability: Interface must be intuitive and user-friendly for all types of users.

NF3 Performance: The app must fetch tracking data quickly and display it in real-time.

NF4 Security: JWT authentication will ensure secure access to user data.

NF5 Maintainability: Code will follow standard documentation and modular structure for easier maintenance.

NF6 Scalability: The application structure will support future scalability and new feature integration.