

APIs to Create:

1. User Registration and Login API:

- a. **Register User:** Input name, email, password. Password should be hashed and validated for unique email.
- b. **Login User:** Input email and password. Validate user credentials and return JWT auth token.

2. Product Management APIs:

- a. **Create Product:** Input name, description, price, and stock.
- b. **Update Product:** Update fields like price, stock, or description by product ID.
- c. **Get All Products:** Paginated list with filters like price range, stock availability, or search by name.
- d. **Delete Product:** Soft deletion.

3. Order Management APIs:

- **Create Order**
- **Get All Orders for a User**
- **Update Order Status**
- **Delete Order**

Cron Jobs:

1. Product Stock Monitoring Cron:

- a. Runs daily at midnight.
- b. If a product's stock falls below 10, notify the admin via email or SMS (nodemailer or any other libraries).

2. Order Fulfillment Reminder Cron:

- a. Runs every hour.
- b. Sends reminders for Pending orders created more than 24 hours ago via email.

Instructions:

- **Validation:** Proper input validation using a library like Joi or custom middleware.
- **Authentication:** JWT-based user authentication with routes protected for authorized users only.

- **Error Handling:** Error handling should be implemented wherever necessary and user-friendly error should be thrown