1. **User Registration**
   * Implemented a user registration feature where users can sign up with their email address and password.
   * Implemented validation to ensure that the email address is unique and meets certain criteria (e.g., valid email format, minimum password length).
   * Stored user credentials securely in the database using Laravel's built-in custom authentication system.
2. **User Login/Logout**
   * Implemented user authentication using JWT (JSON Web Tokens) for stateless authentication.
   * Created login and logout functionality.
3. **Product Management**
   * Implemented CRUD (Create, Read, and Search) operations for managing products in the backend Laravel application.
   * Created API endpoints in Laravel to handle product creation, retrieval, and Search.
4. **Pagination**
   * Implement pagination for the product list in both the frontend and backend applications to improve performance and user experience.
   * Configured API endpoints in Laravel to return paginated results for large datasets.
   * Integrated pagination controls in the React.js frontend to allow users to navigate through pages of product listings.