# Product Management System

Create a product management system integrating user authentication and authorization. The finalized product should include REST endpoints for user interaction with the system.

**Functionality**:
- User Registration and Login: Implement secure registration (username, email, password) and login features.
- Role-Based Authorization: Define roles for users and administrators. Users view/add products, administrators update/delete.
- Product Management Endpoints: Design REST endpoints for product operations (add, update, retrieve) including attributes (name, description, price).
- Security: Ensure robust security mechanisms to prevent unauthorized access.
- Bonus: Testing: Include unit tests to ensure functionality and security.
- Bonus: Endpoint Documentation: Document the REST endpoints for ease of use.

**Tech Stack:**
- Utilize Spring/Spring Boot for the implementation.
- Integrate PostgreSQL for data storage.

**Submission:**
- Share the project's GitHub repository.
- README should detail implemented features, tech stack, and usage instructions.

**Deadline:**
Deliver the project in one week from the day you received it.
If you need extra time let us know.

**Notes:**
Approach the project innovatively while adhering to the specified functionality.
**AI generated solutions are prohibited and will be disqualified.**