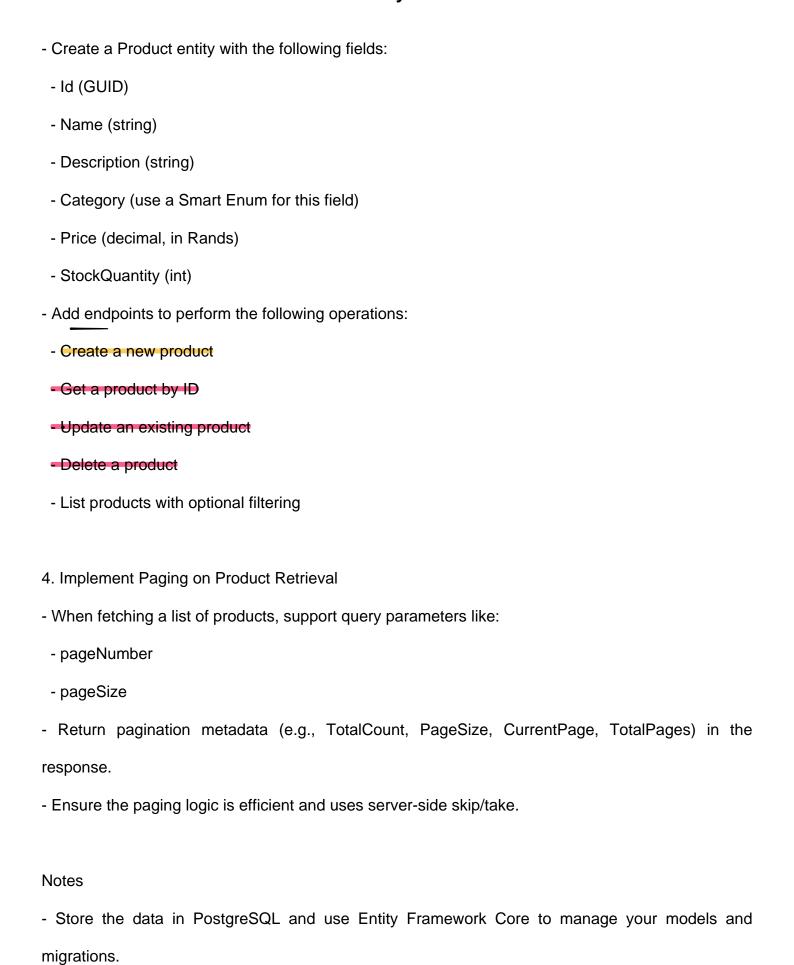
? Day 1 ? API Setup, Database, and Product CRUD with Pagination

Objective

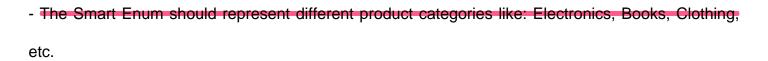
Lay the foundational structure of the application by creating a minimal API, configuring database connectivity using Docker, and implementing basic CRUD functionality for product management. Introduce pagination on the read endpoint.

Tasks

- 1. Set Up a Minimal Web API
- Create a new ASP.NET Core Web API project using the Minimal API approach.
- Ensure it targets .NET 8 or the latest stable version.
- Configure the project to use dependency injection and logging services.
- Make sure Swagger (OpenAPI) is enabled for API testing and documentation.
- 2. Dockerize and Set Up PostgreSQL
- Use the provided docker-compose.yml to spin up a PostgreSQL instance as your application?s database.
- Ensure the application connects to this database using the following environment variables:
 - POSTGRES_DB=prac-day
 - POSTGRES_USER=postgres
 - POSTGRES_PASSWORD=Password1
- Validate the connection by ensuring the application can apply migrations and query the database.
- 3. Implement Product CRUD Functionality



Day 1



- Ensure proper model validation on the API endpoints.