**Technical Specification**

**1. Objective**

Develop a Web API application using ASP.NET Core 8 with an MS SQL database. The application should follow a three-tier architecture: WebAPI, Business Logic, and Data.

**2. Architecture**

- WebAPI: Thin controllers that pass ViewModel to business logic services.

- Business Logic: Services, DTOs, mappers, validation via FluentValidation.

- Data: Entities, repositories, configurations, DbContext.

**3. Entities and Relationships**

1. User: Contains user data, has a one-to-one relationship with Cart and a one-to-many relationship with Order.

2. Product: Stores product information, has a many-to-one relationship with CartItem.

3. Order: Includes order information, has a many-to-one relationship with User.

4. CartItem: Has a many-to-one relationship with Product and a many-to-one relationship with Cart.

5. Cart: Contains CartItem (one-to-many), has a one-to-one relationship with User.

**4. Additional**

- Write unit tests (NUnit) for business logic.