Reflection: Sixian Qi

Role & Contribution:

* Design E-R Diagram
* Implement DB, Data, Migration, Repository Pattern
* Implement Controllers
* Implement Admin Controllers

Challenges and how I handled it:

1. Add filter feature to Repository Pattern

I needed to understand how the default DbContext works and how the Repository Pattern operates in order to successfully implement custom filtering logic.

1. Refactor Customer Model to inherit from IdentityUser

I encountered a FOREIGN KEY constraint failed error during migration. To resolve it, I deleted the database, revised the seeding strategy (since user passwords cannot be seeded directly in AppDbContext), and then ran the migration again.

1. SQLite cannot sort by decimal data type

I handled this by adding custom sorting logic in the Repository Pattern to bypass the limitation.