FoodPanda Application

Project documentation
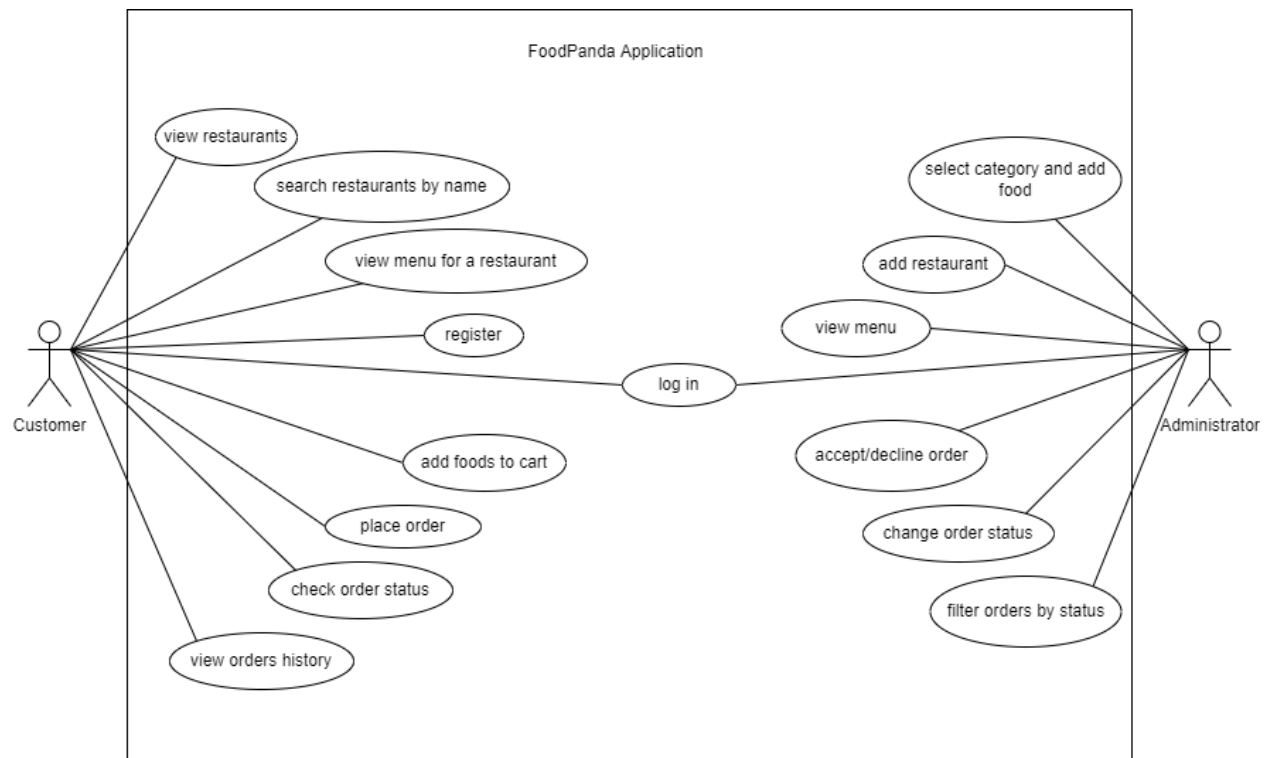
Software Design Laboratory

Assignment 2

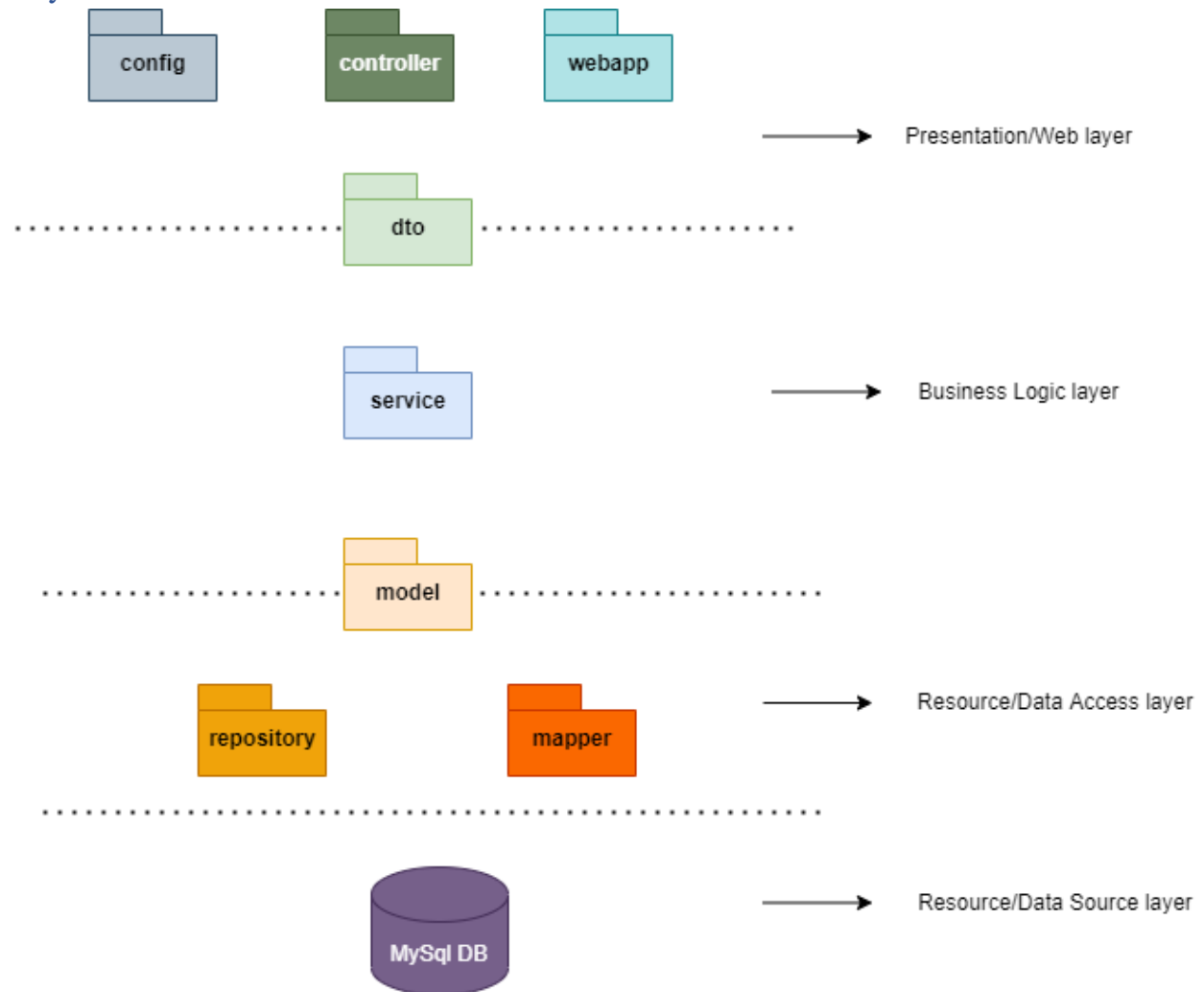**Student: Keresztes Beáta**
Group: 30432
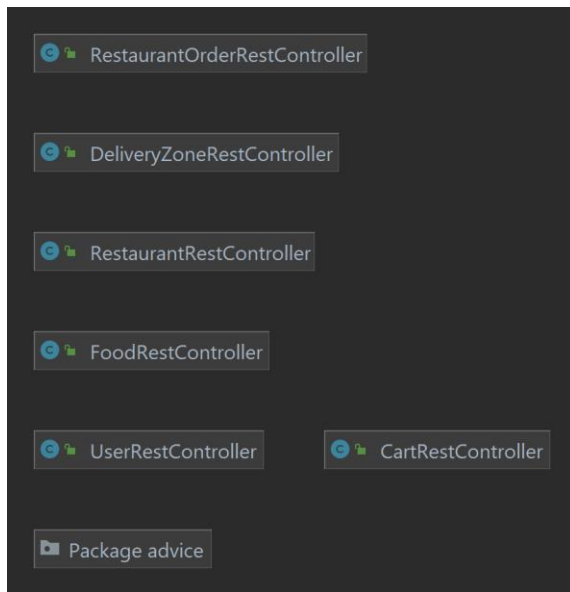
Use case-diagram

FoodPanda Application

Customer

- view restaurants
- search restaurants by name
- view menu for a restaurant
- register
- log in
- add foods to cart
- place order
- check order status
- view orders history

Administrator

- select category and add food
- add restaurant
- view menu
- log in
- accept/decline order
- change order status
- filter orders by status

Package diagrams
Layered architecture

config   controller   webapp

→ Presentation/Web layer

··············· dto ···············

service

→ Business Logic layer

··············· model ···············

repository   mapper

→ Resource/Data Access layer

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MySql DB

→ Resource/Data Source layer

Package controller

RestaurantOrderRestController

DeliveryZoneRestController

RestaurantRestController

FoodRestController

UserRestController   CartRestController

Package advice

Package dto

RestaurantOrderDto

RestaurantDto

FoodDto

UserDto   CartDto

Package mapper

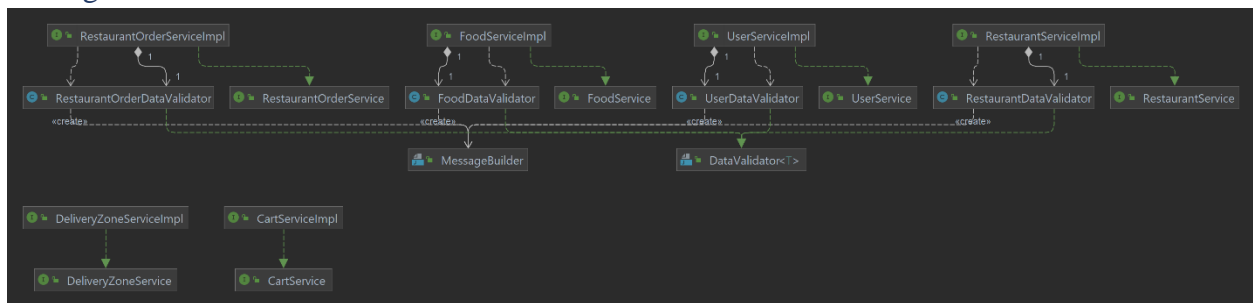FoodMapper   CartMapper   RestaurantOrderMapper   UserMapper   RestaurantMapper

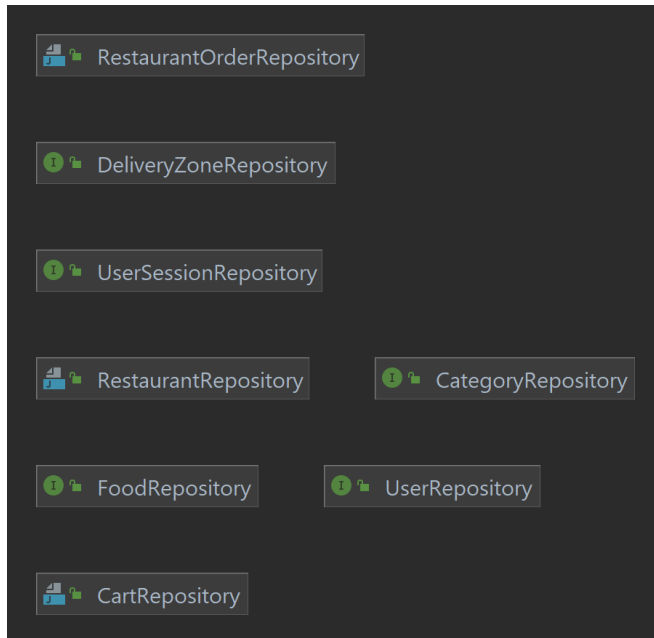Mapper<T, U>

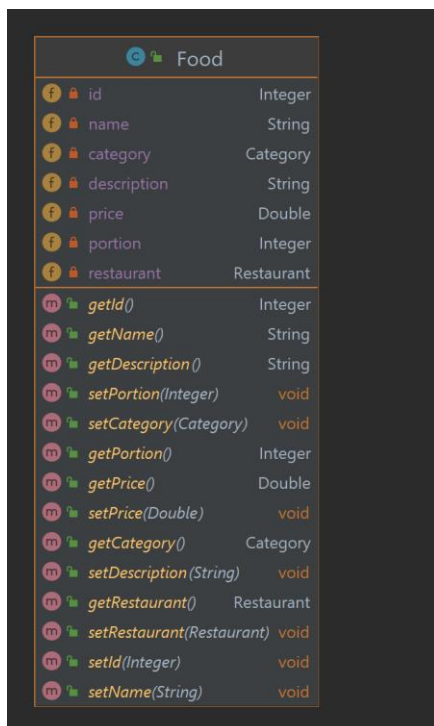## Package exceptions
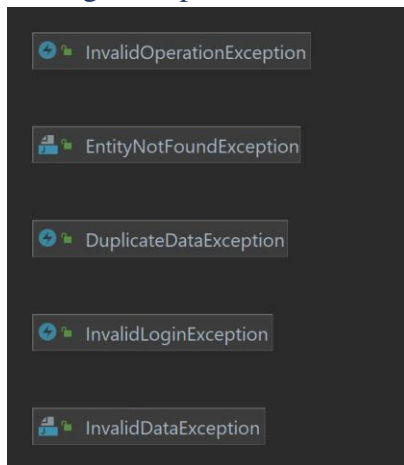
Package service

Package model
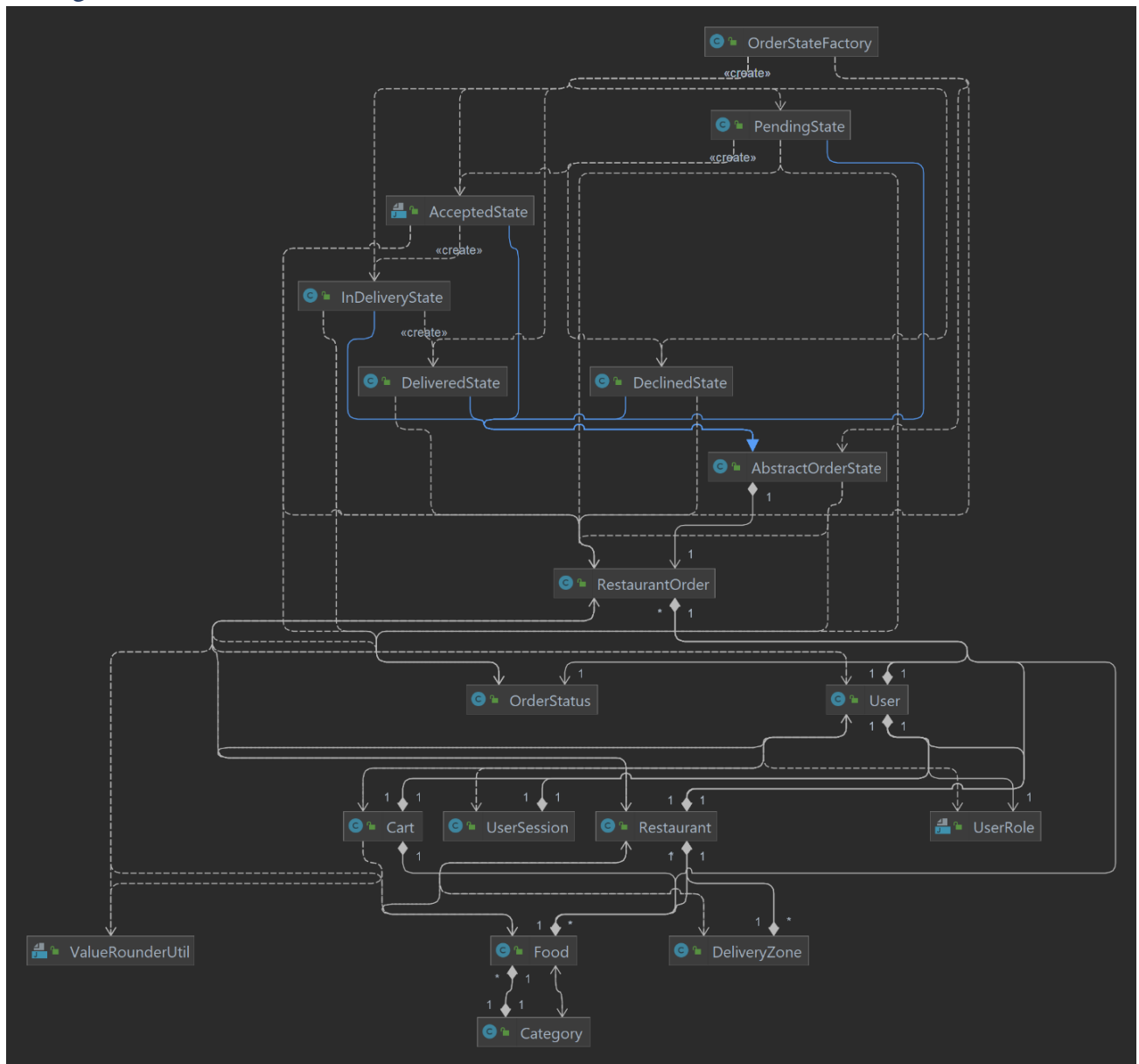
Package repository
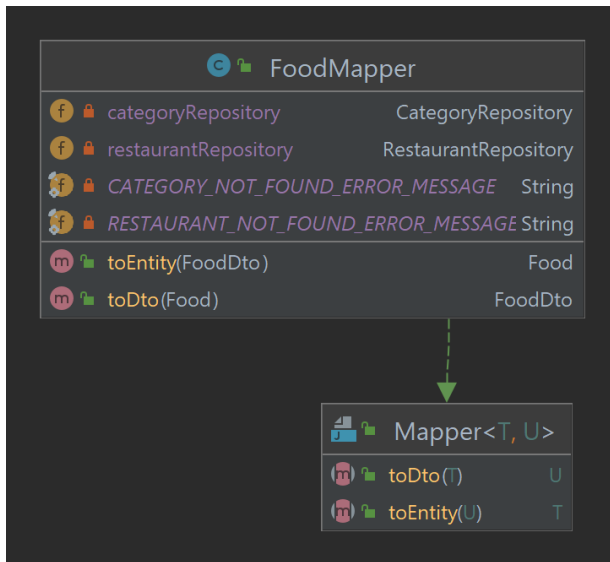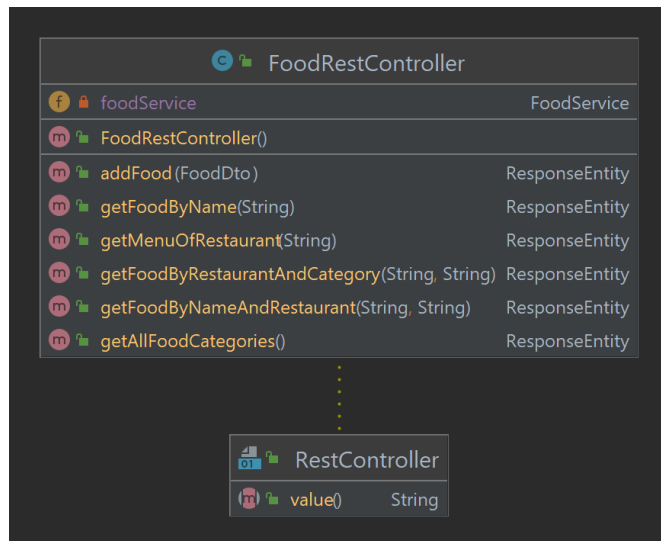

Class diagram (example)
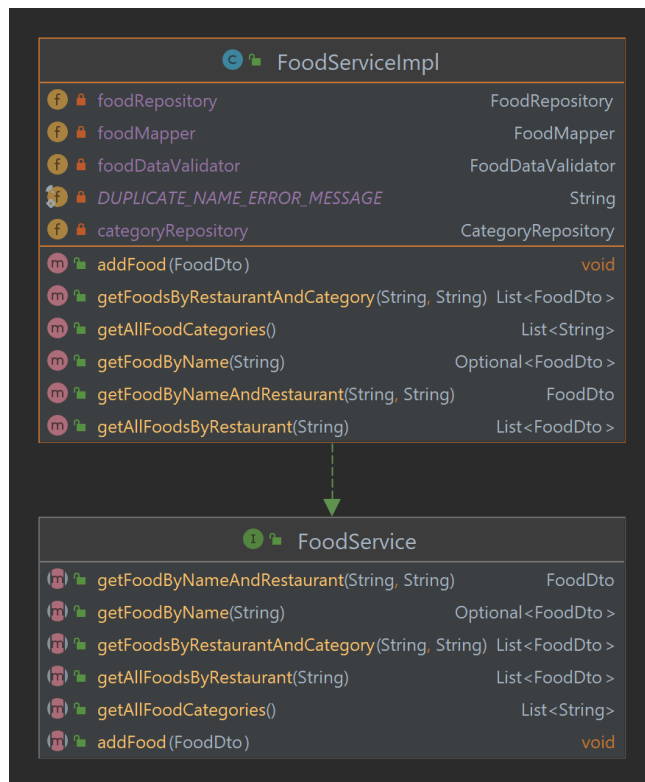
- **Food**: entity

- **FoodDTO:** dto

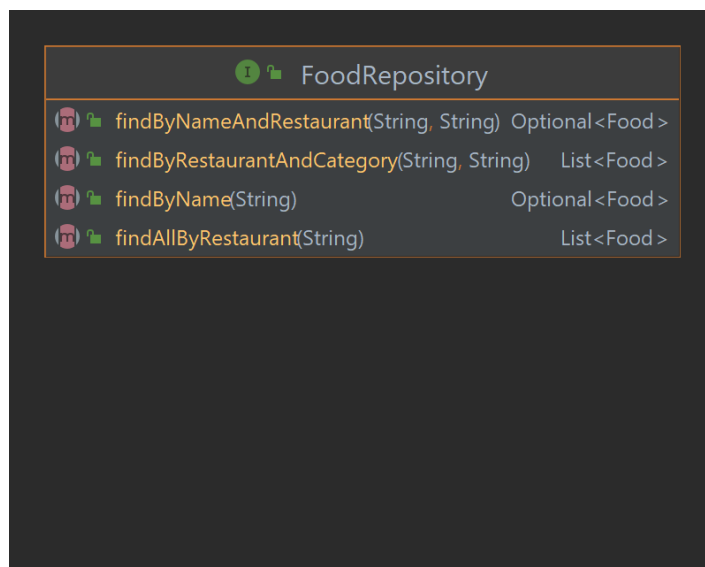- **FoodMapper:** convert from entity to dto and from dto to entity

- **FoodRestController:** Rest controller for food entities

- **FoodServiceImpl:** contains the business logic for related to foods

- **FoodRepository:** responsible for accessing the food related data in the database storage

Database diagram