



Software Design

Assignment 2

FOOD DELIVERY



TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA, ROMANIA

Student: Filip Denisa-Mariana

Group: 30432

Semigroup: 1

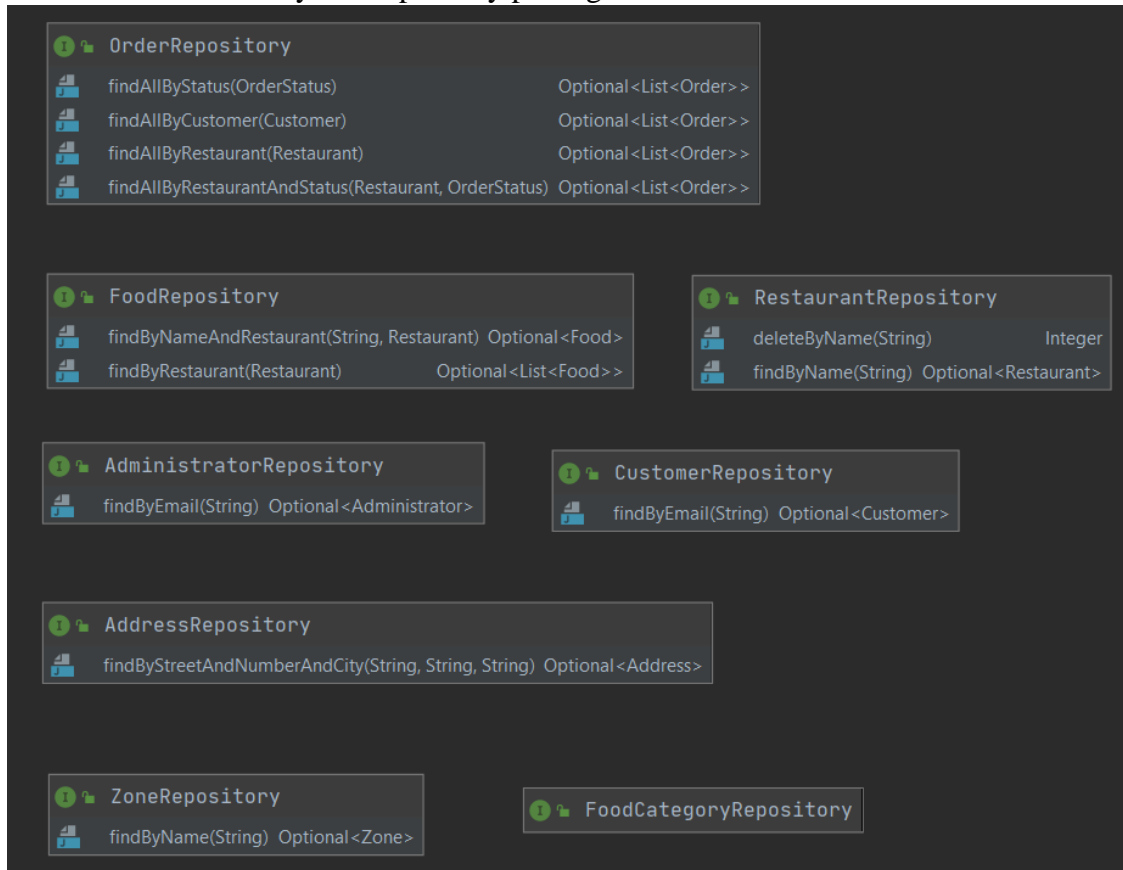
Faculty of Automation and Computer Science, TUCN

2021-2022

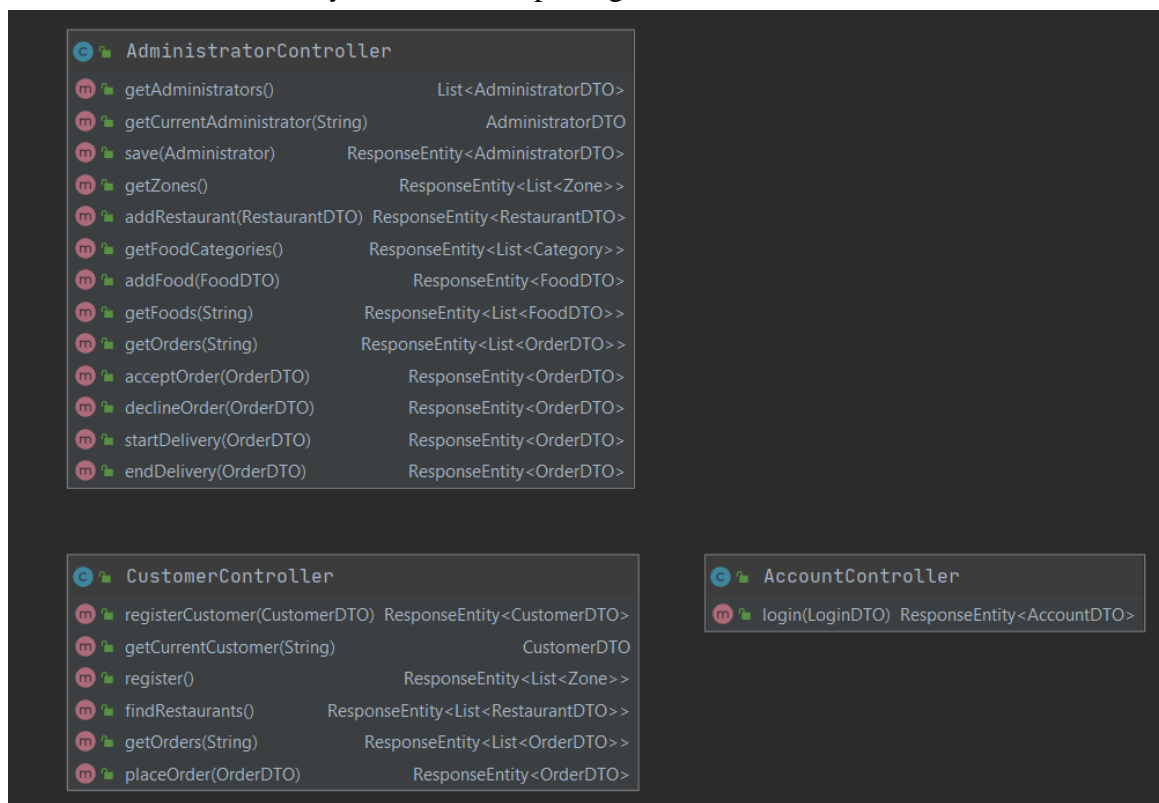


1. Class Diagram

a. Persistence Layer - Repository package

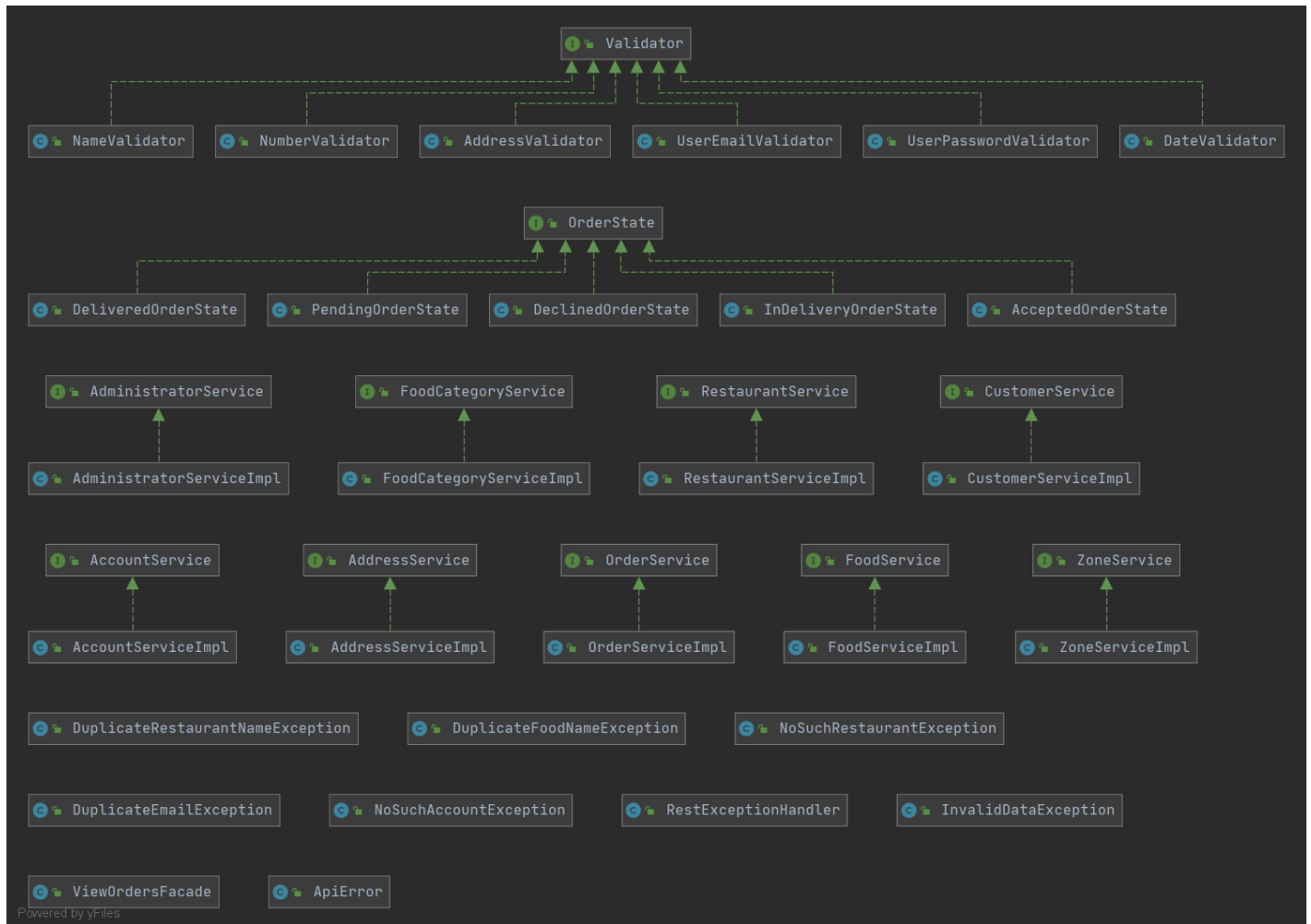


b. Presentation Layer – controller package



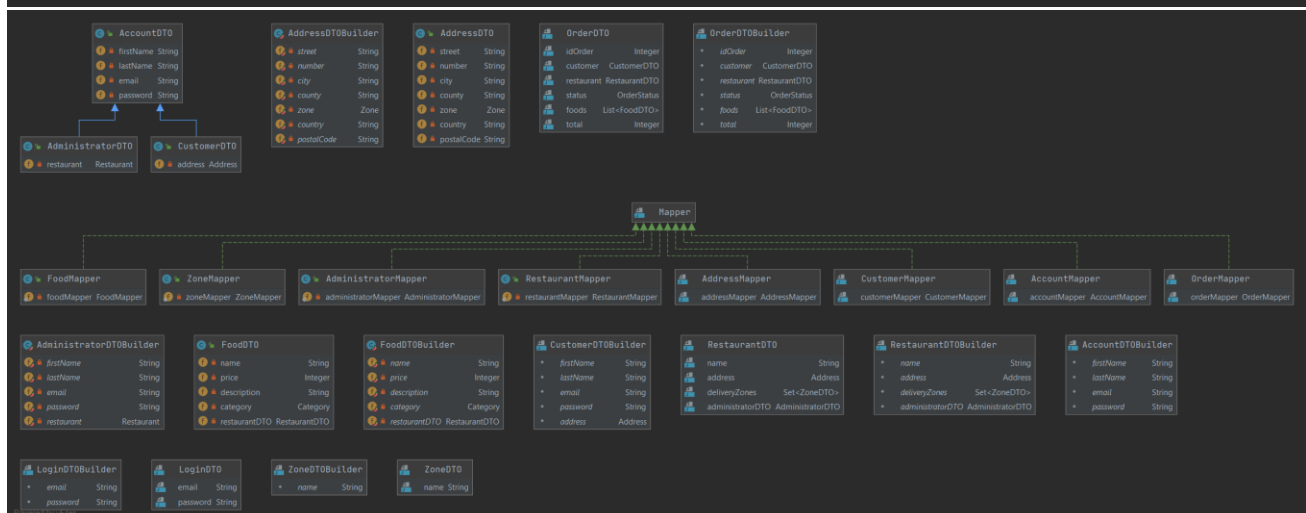
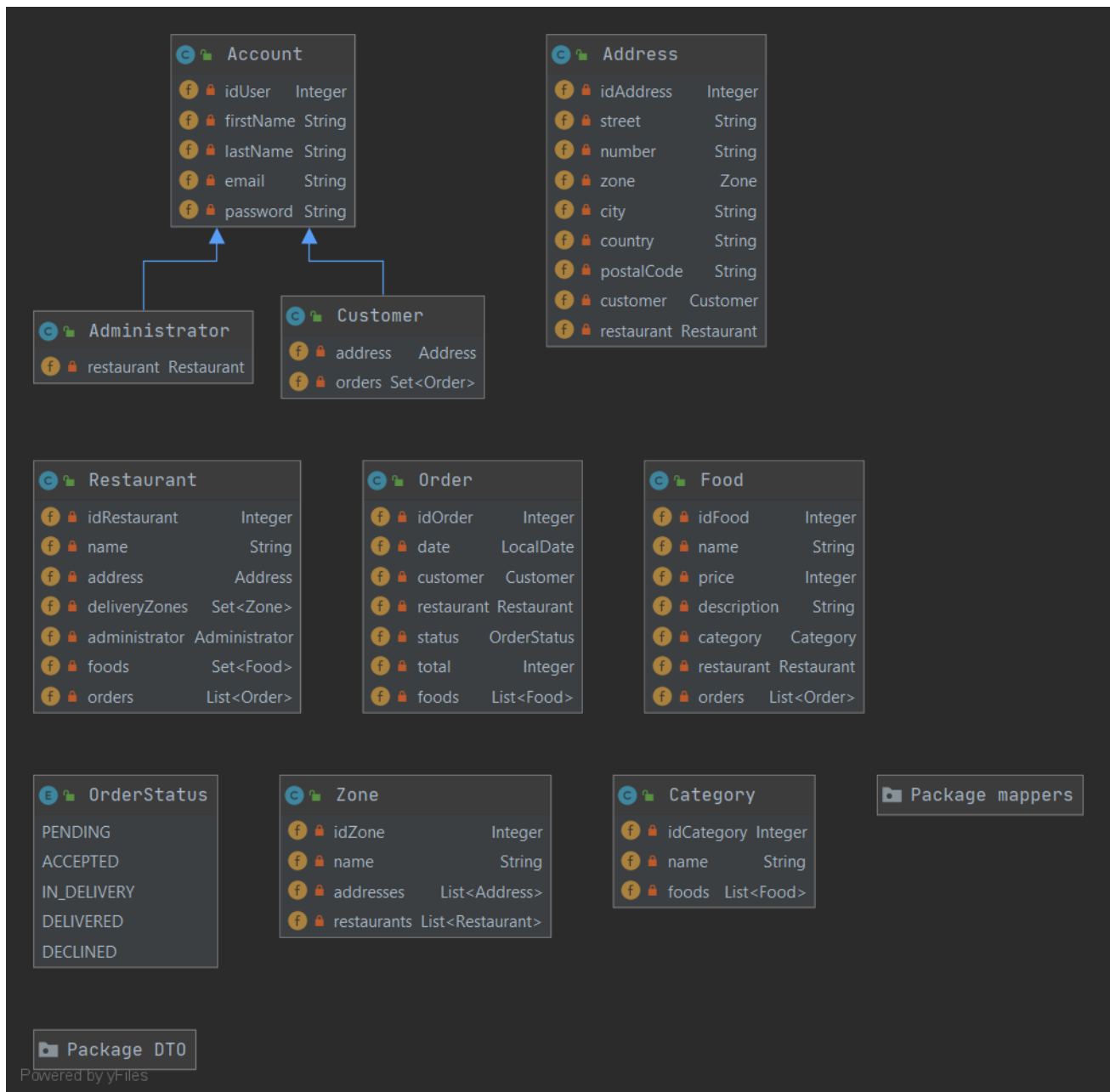


c. Bussines Logic Layer – service package





d. Database Layer – model package



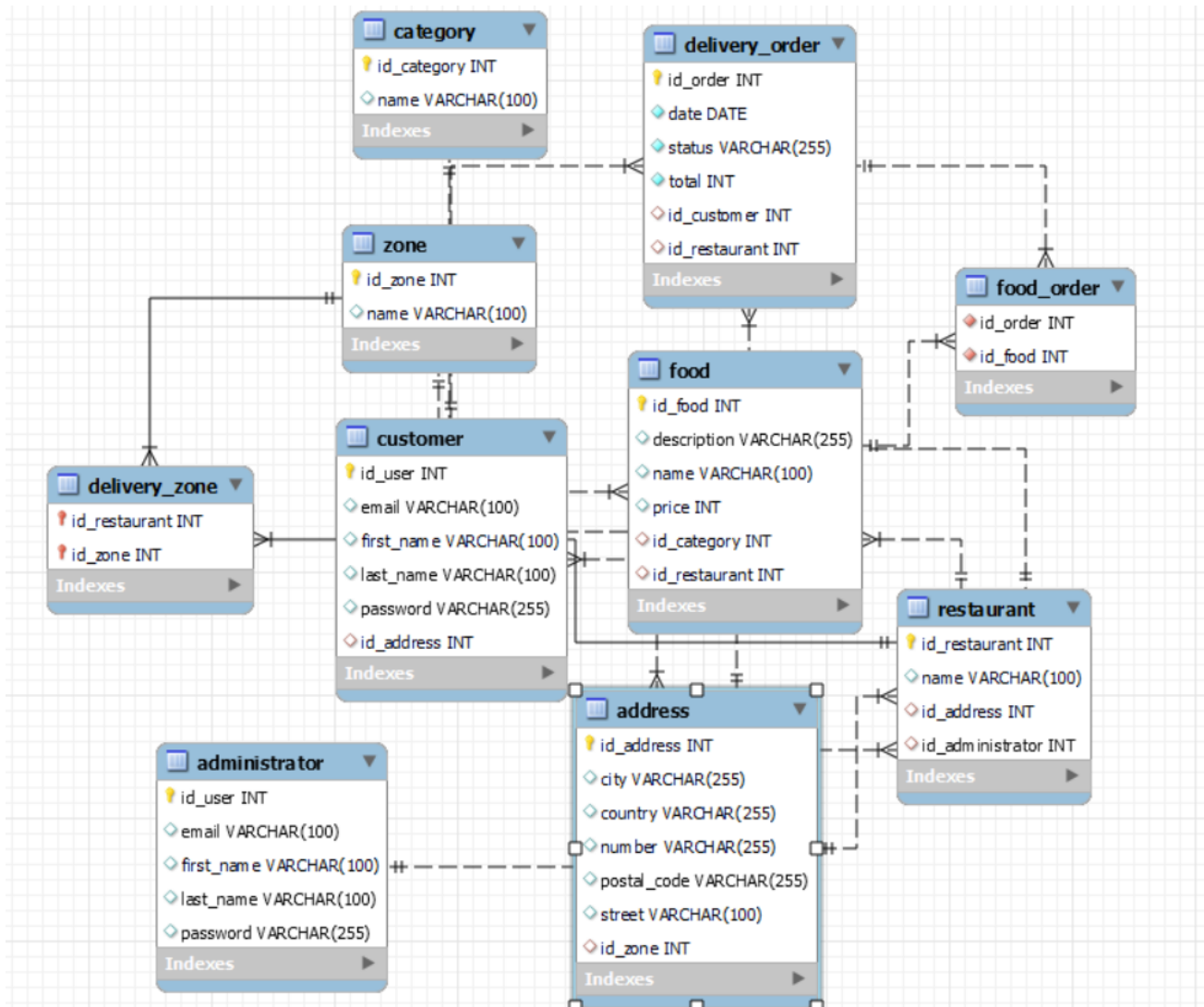


2. Use Case Diagram





3. Database diagram



4. Design Patterns

- Behavioural – State Design Pattern
- Structural – Facade Design Pattern
- Creational – Builder Design Pattern and Singleton Design Pattern