Coffe Shop

SE 352 – Object Oriented Enterprise Application Development

SE 352 Project

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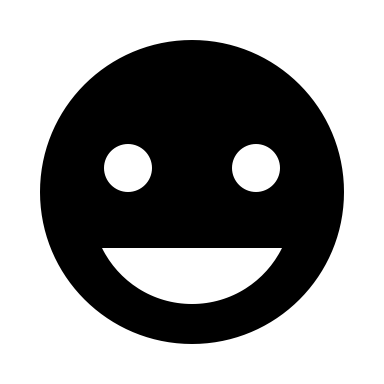
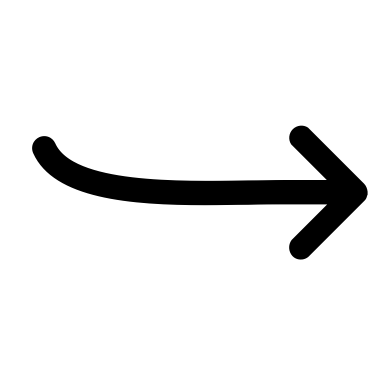
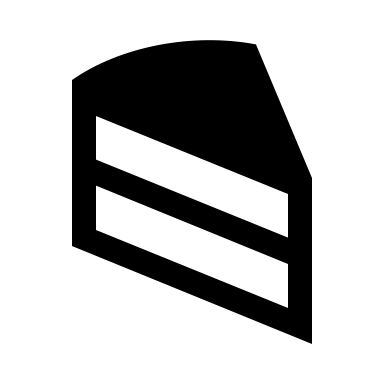
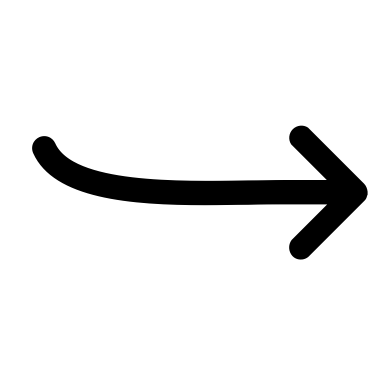
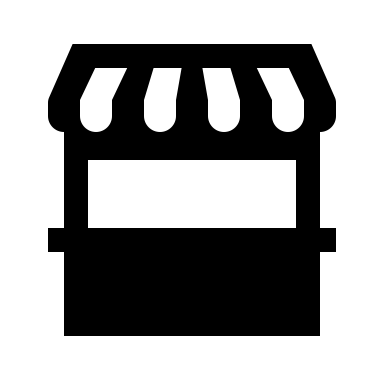
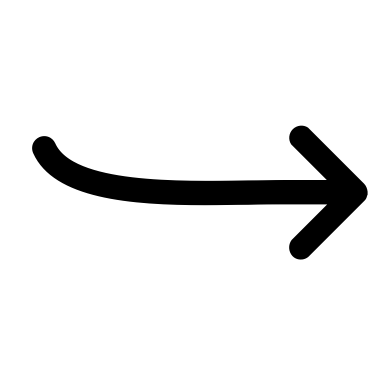
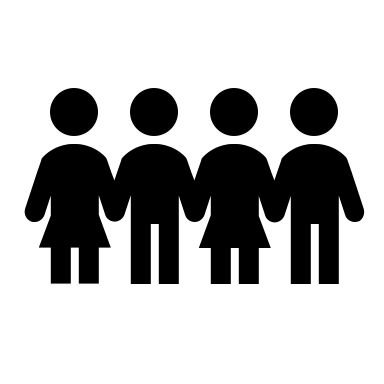
[Milestone Screenshot](#_Milestone_Screenshot_1)

# Overview

This is a web application for an imaginary coffee shop. It will allow users to select, view, buy and edit selected products. It would also allow registration for new customers and a log in for existing customers.

# Requirements

## Use Case



Users want coffee or sweets and order them through the application. The order is received and purchased, and the users get satisfied.

## Description of problem

Coffee shop application that allows clients to purchase the shop’s products.

# Design

## Sequence of major functionality

***For MYSQL:***

* Download MYSQL.
* Start the server.
* While the server is running you can operate with your database.

***Application.properties:***

Here is the configuration of the “application.properties” to connect to the database. Using

*# Configuration for the datasource***spring.datasource.driver-class-name**=**com.mysql.jdbc.Driver  
spring.datasource.url**=**jdbc:mysql://localhost:3306/coffeeShop\_schema?serverTimezone=UTC&useSSL=false&allowPublicKeyRetrieval=true  
spring.datasource.username**=**root  
spring.datasource.password**=**julio123***# Configuration for Java Persistence (JPA)  
#Will show the SQL statements being executed.***spring.jpa.show-sql**=**true  
spring.jpa.properties.hibernate.dialect**=**org.hibernate.dialect.MySQL5Dialect  
spring.jpa.hibernate.ddl-auto**=**update**

### Web UI (Common case)

## Table layout

* I also have a Schema in MYSQL called “**coffeeShop\_schema**”.
* JPA creates the tables automatically.

## Deployment

# Discussion of how your design met the requirements

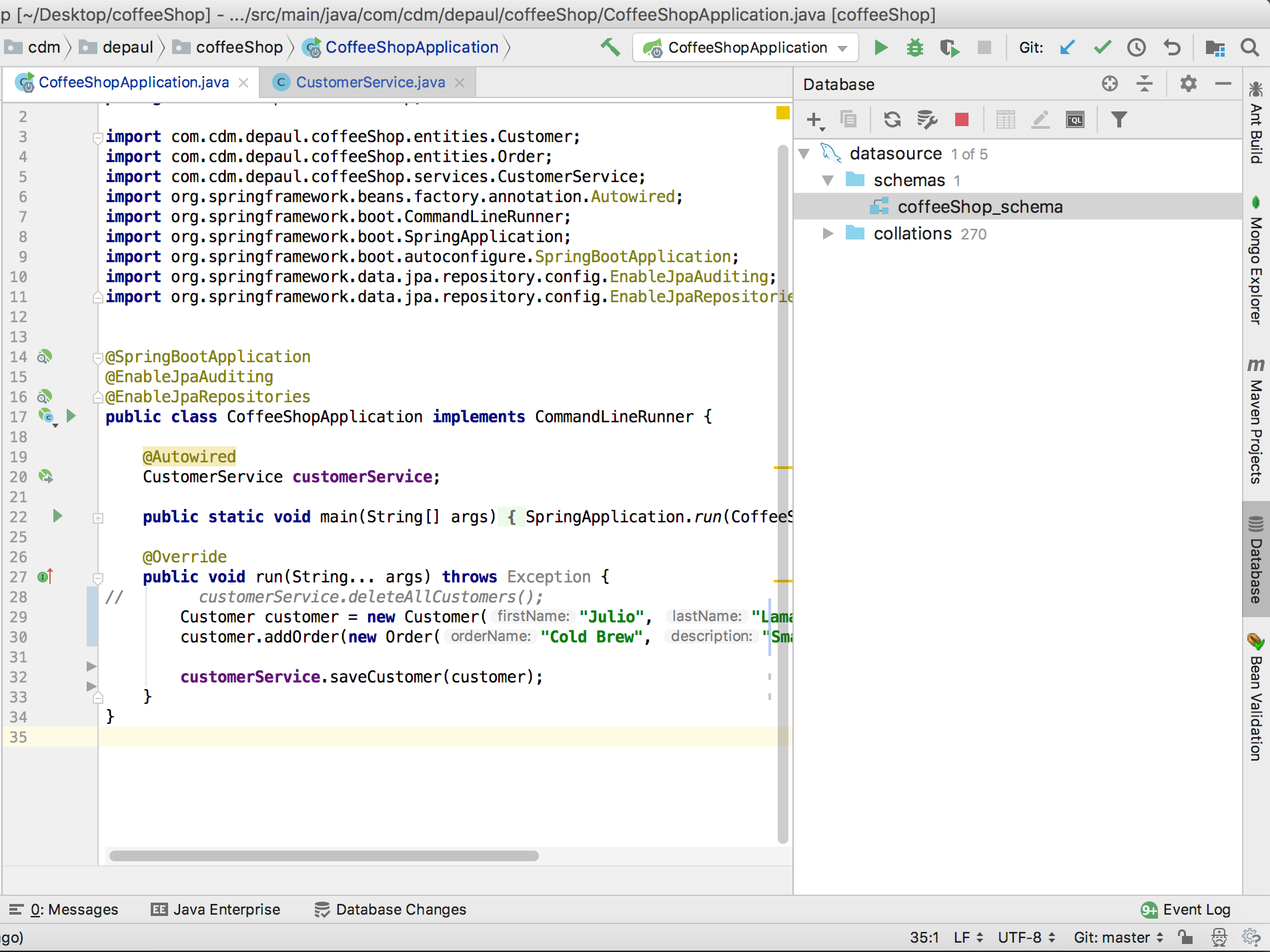
# Discussion of lessons learned

**Lessons Learned Milestone 2:**

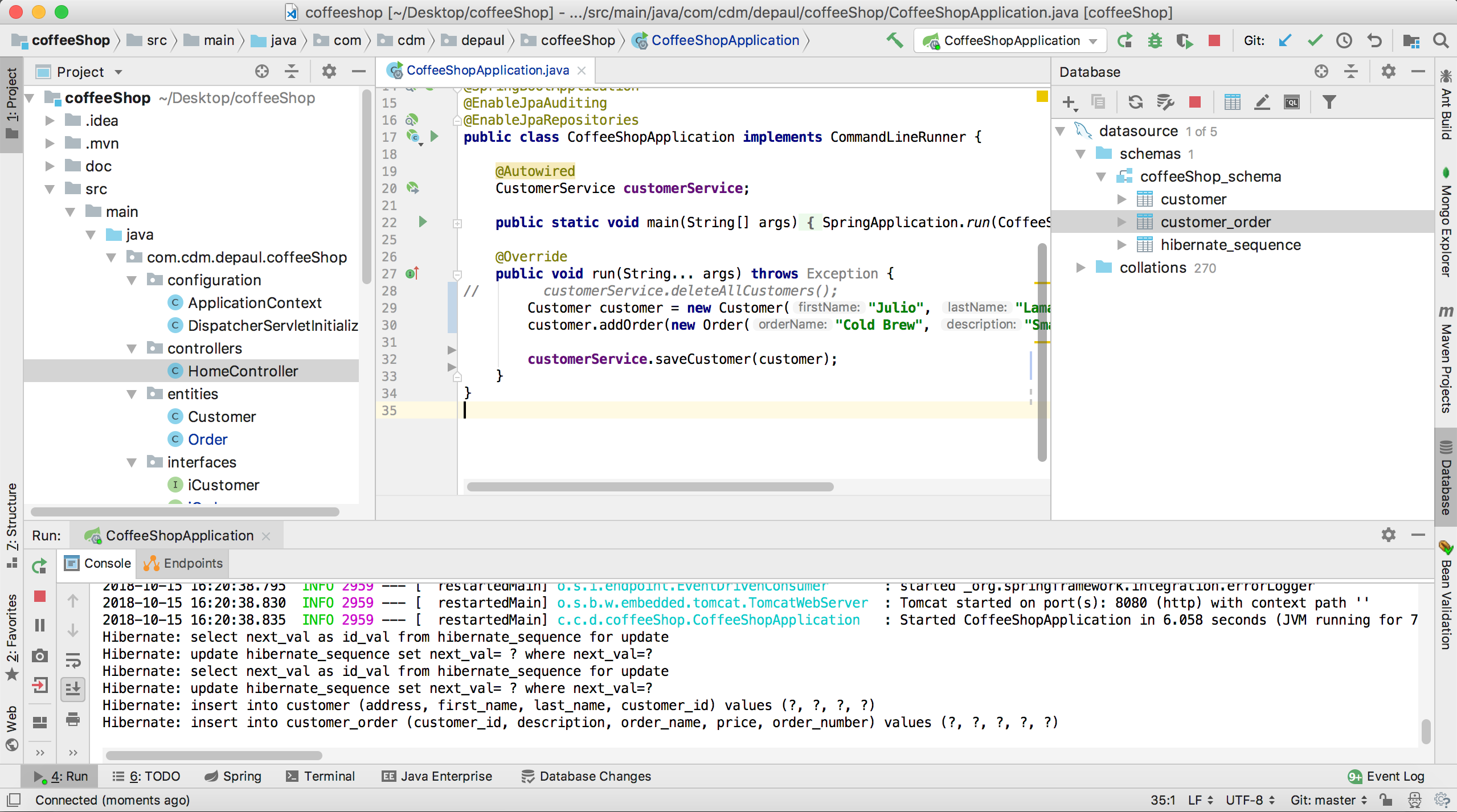
* Learned how to use a database client such as MongoClient to connect to a database.
* Learned how to map Java classes to Collections in the database as *Documents*.
* Learned how to *query* Documents from the Mongo database.
* Downloaded a plug-in on IntelliJ IDEA that gave me a GUI for my Mongo database. This GUI is called “MongoExplorer”.
* Learned how to connect my application to MYSQL.
* Learned how to map Entities to Java classes.

# Milestone 2 Screenshot

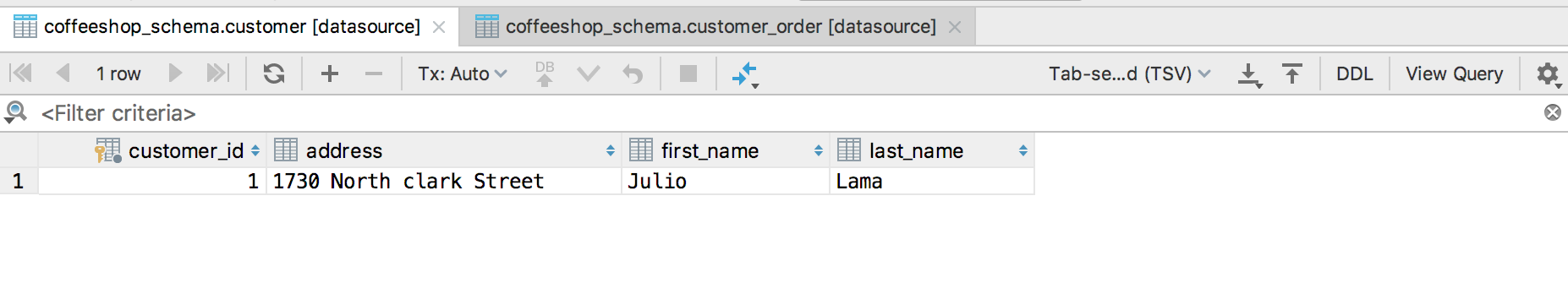
I changed my database to be just a relational database. Check out pictures from Milestone 2 to notice the changes.

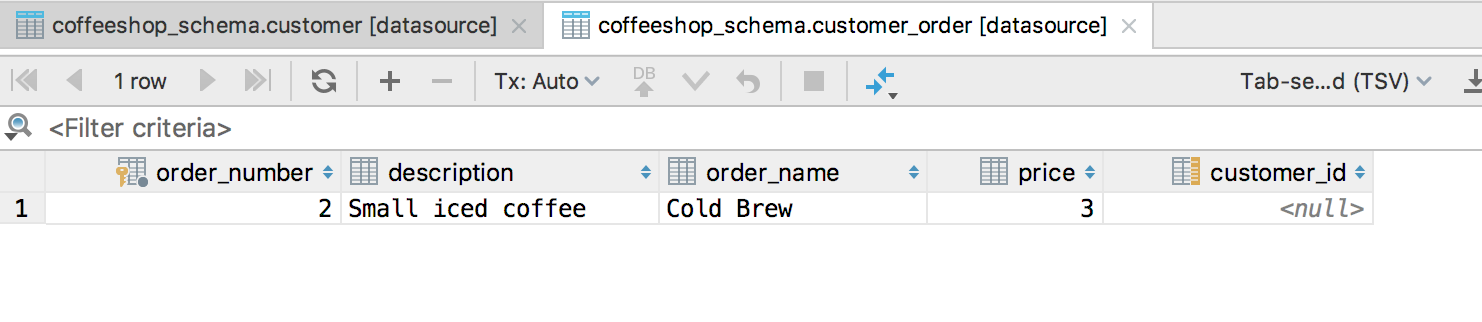
**Database is empty/ 0 collections:**

**Insertion code:**

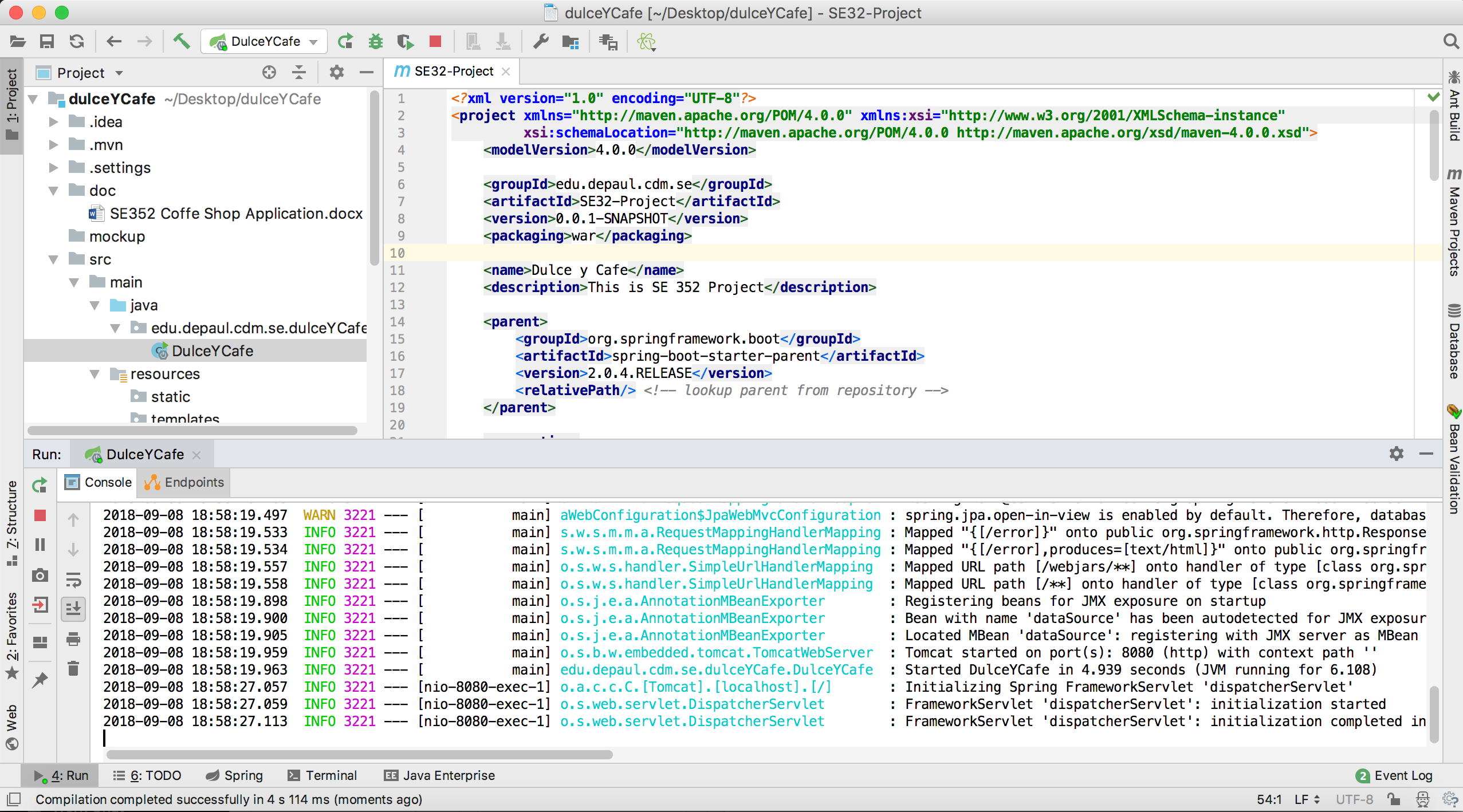
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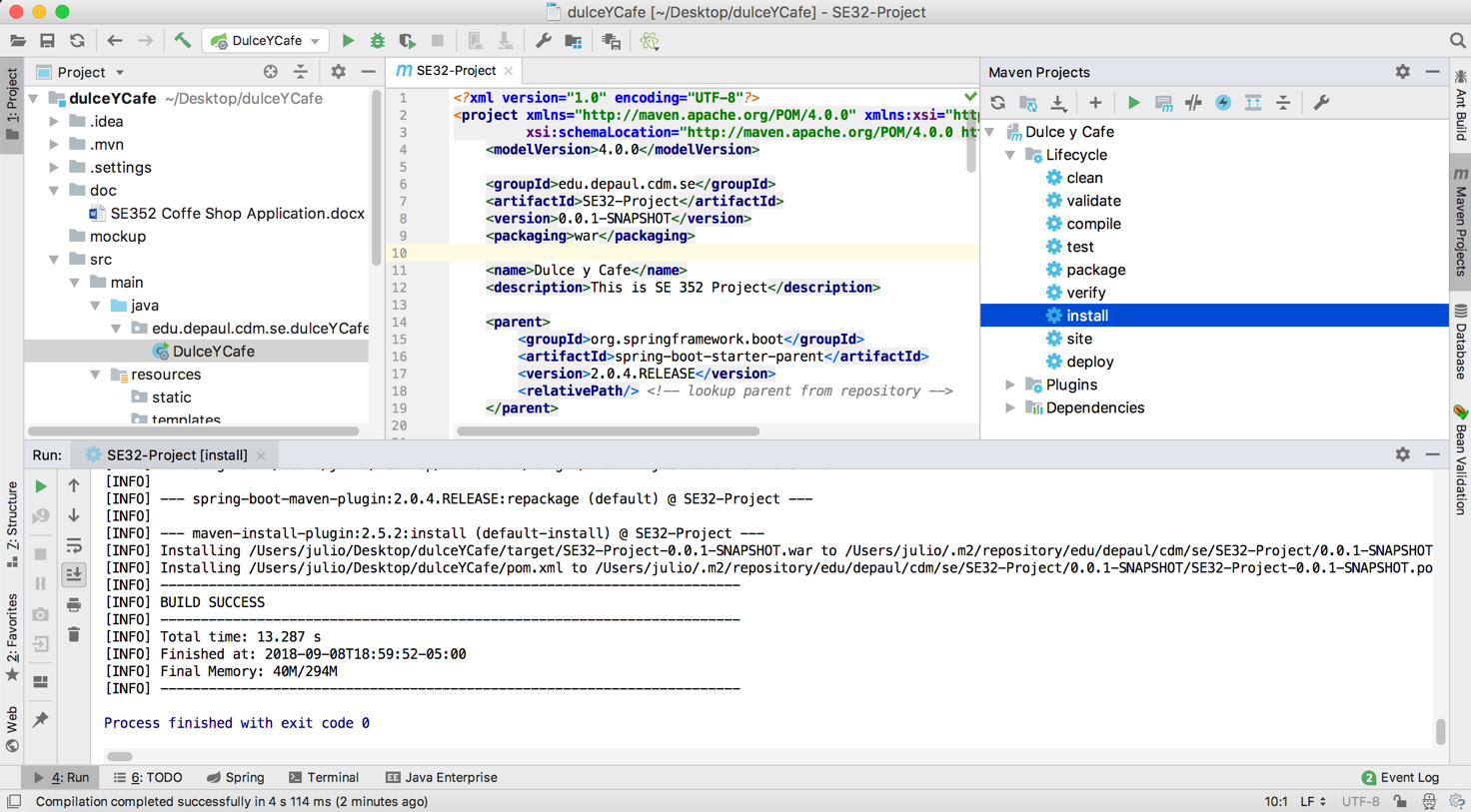
**Tables:**

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# Milestone 1 Screenshot





# Decision Log

|  |  |  |  |
| --- | --- | --- | --- |
| **Problem** | **What was decided** | **Alternatives considered** | **Rationale** |
| Which IDE to use | IntelliJ IDEA | Eclipse | IntelliJ is a very good IDE |
| Collaboration | Alone | Course provided |  |
| Code repo | Github | Course provided | It is available on the web. |