

Documentation for Mobile Store App

ROAD MAP

Application will be developed in following

- Spring Boot+RestController+SpringDataJPA..
- The roadmap outlines the planned steps and technologies for developing the mobile store application, while the modules detail the functional components of the application.
- Spring Boot Rest Controller Spring Data JPA: This indicates the technology stack for building the backend of the application. Spring Boot provides a framework for quickly building RESTful APIs, and Spring Data JPA simplifies data access by providing a set of abstractions and APIs for working with relational databases

PROBLEM STATEMENT

- To Create an Application for Mobile Store Application
- Customer should be able to perform below operations:
 - Customer can search mobiles
 - Customer can add mobiles to cart, view cart and update the cart
 - Customer can buy the mobiles
 - Customer can view order history
- Admin should be able to perform below operations:
 - Add, view, update and delete mobiles
 - View and cancel orders
 - View and delete customers

MODULES

Mobile Module:

This module handles all aspects related to mobile phones in the application. It includes functionalities such as adding new mobile phones to the store, viewing existing mobile phone details, updating mobile phone information, and deleting mobile phones from the inventory.

Cart Module:

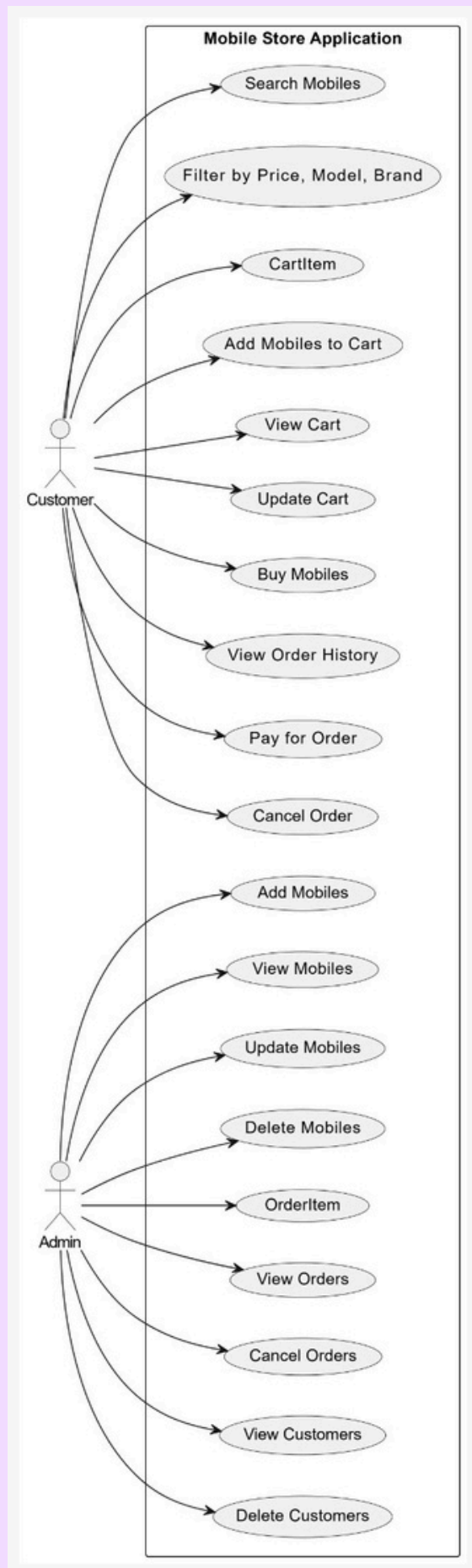
Cart Module: The cart module enables customers to interact with their shopping cart. It allows customers to add mobile phones to their cart, view the items currently in their cart, update the quantity of items in the cart, and remove items from the cart.

Order Module:

The order module facilitates the process of purchasing mobile phones for customers. It includes functionalities such as placing an order for mobile phones, viewing order history, tracking the status of orders, and possibly canceling orders.

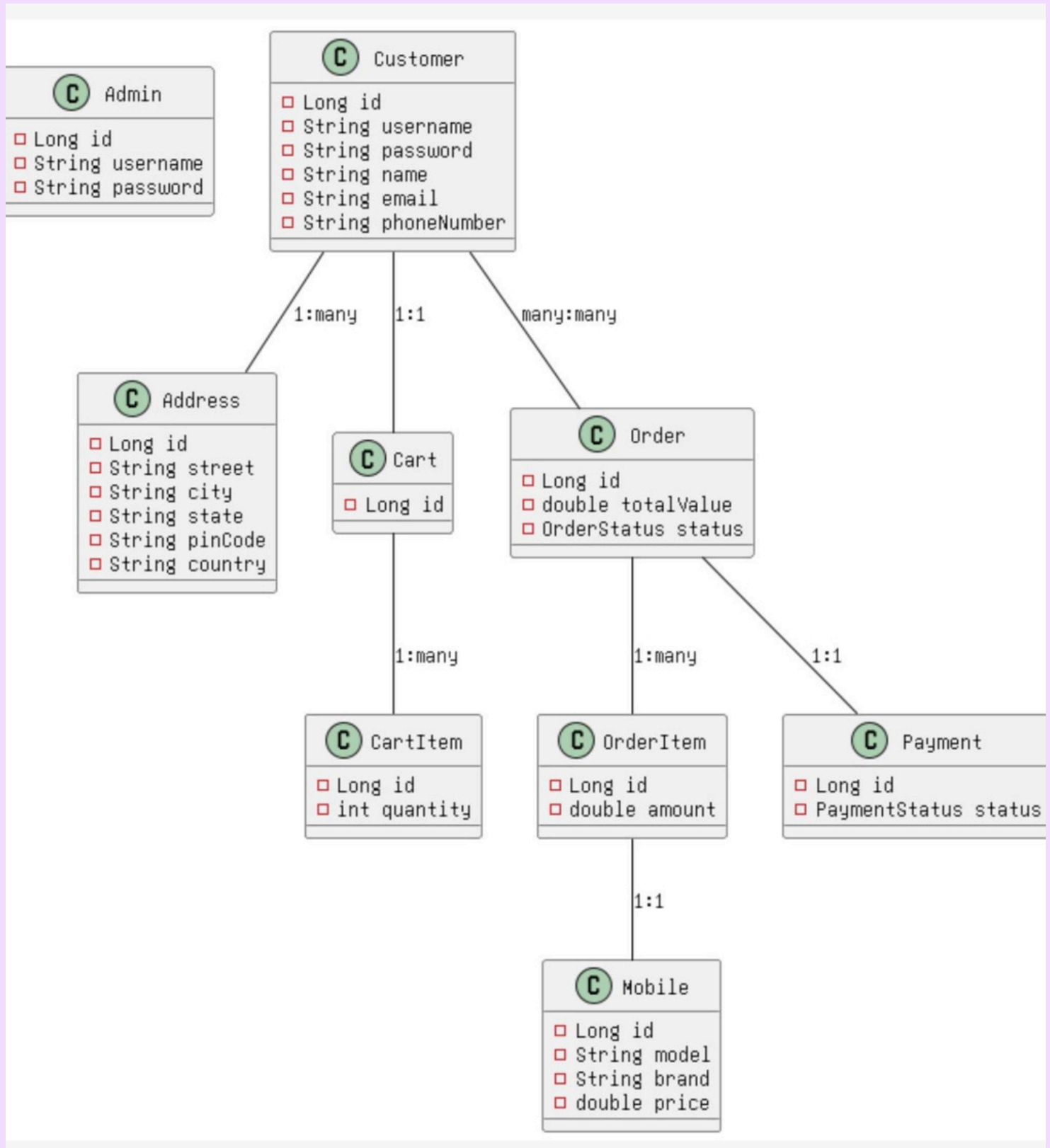
USE CASE DIAGRAM :

The use case diagram is given below:



CLASS DIAGRAM :

The entity mapping class diagram is given below:



UserStories Based On the Problem

Statement :

UseCase_Id	UseCase_Name	Description
UseCase_101	Login	1.Admin can able to login using correct adminId and password 2.Admin id and password are mandatory 3.Else it will show message "userId or password are incorrect"
UseCase_102	Add Mobile	1.Admin can able to add the Mobile 2.After adding product is show "product Added Successfully" 3.if not able to add product then its throw some meaningful exception
UseCase_103	View Mobiles	Admin can able to view all the Mobiles
UseCase_104	Upadte Mobiles	Admin can able to update the Mobiles details.
UseCase_105	Delete Mobiles	Admin can able to delete Mobiles .
UseCase_106	Login	1.Customer can able to login using correct Email id and password or phone number 2.Email id and password or phone number are mandatory
UseCase_107	Search Mobile	Customer can search Mobiles
UserCase_108	Add to cart	Customer can add mobiles to cart
UserCase_109	Update Cart	Customer can able to Update mobile in cart
UseCase_110	view order	Customer can able to view order
UseCase_111	place order	Customer can able to place the order Sccessfully
UseCase_112	candle order	Customer can able to cancel the order.
UserCase_113	Make Payment	Customer can able to make payment.