Project Name: CastleArt Branch PG-DAC Sep-2021

Documentation On

"CastleArt"

PG-DAC September 2022

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1. Introduction:

1.1 Document Purpose:

This document communicates the business requirements and scope for developing E-shopping website for Artist. The scope of this document is to define the functional and nonfunctional requirements, business rules and other constraints requirements.

1.2 Project Background:

People found it very difficult to buy Portrait, Handicraft Items etc during the pandimic. There is a need for online shopping facility which brings customers and Artist on a common platform. This will save people from travelling to markets and establish a direct contact between Portrait and other accessories. However there are not may such platform available.

1.3 Aim & Objectives:

CastleArt will help to improve the overall productivity of arts businesses and helps to customers to enjoy their favorite paintings right at their home with just a click.

- Easy paintings and handcrafts ordering.
- Improves painting businesses.
- Overcome the old procedure.
- Backup information.
- Easy and secure online payment transaction.
- Fast online paintings delivery.
- This system help artist to show their artistic skill.
- Great facility for art customers to search and filter the portraits.
- Easy to book artist at customer place.
- System provide income source for small artist.

2. Business Requirements Overview:

- CastleArt for Artist and Customer is the public web application.
- CastleArt for Artist and Customer will be opened to global but for now the main target is in India.
- CastleArt for Artist and Customer could be maintained by Administrator.
- Display all the categories available for Portrait on the main page.
- CastleArt for Artist and Customer should provide facility to search Artist and Portrait according to the needs.

3. Functional Requirements Overview:

CastleArt for Artist and Customer consists of three modules described as below.

1. Customer Module
2. Artist Module
3. Admin Module

3.1 Customer Module

- Customer can login or register.
- Customer can search for a particular Artist and Portrait.
- Add Portrait to cart.
- Customer can filter Portrait and Artist according to their requirements.
- Buy Portrait selected in the cart.
- Book Artist for customer.

3.2 Artist Module

- Artist can login or create his own account.
- Artist can add Portrait for sell.
- View alert on Portrait out of stock.

3.3 Admin Module

- Admin can login.
- Admin can approve Artist.
- Track customers and Artist activities and data.
- Add category of Portrait.

4. Non-Functional Requirement:

- The website should use professional design, look and feel and color scheme.
- Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users.
- Being a public website, the site must follow general usability guidelines for colors, links and other actions provided on the screens.
- The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.

5. Diagram:

5.1 UML Diagrams:

- **Customer:**

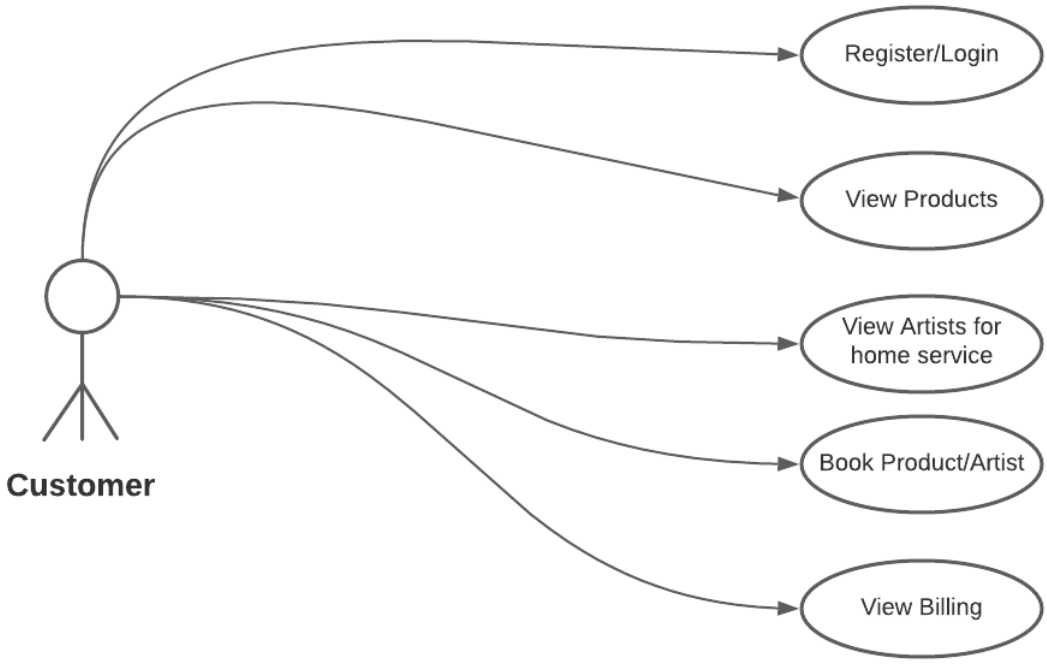


Fig 1: Use-Case Diagram for Customer

- **Artist:**

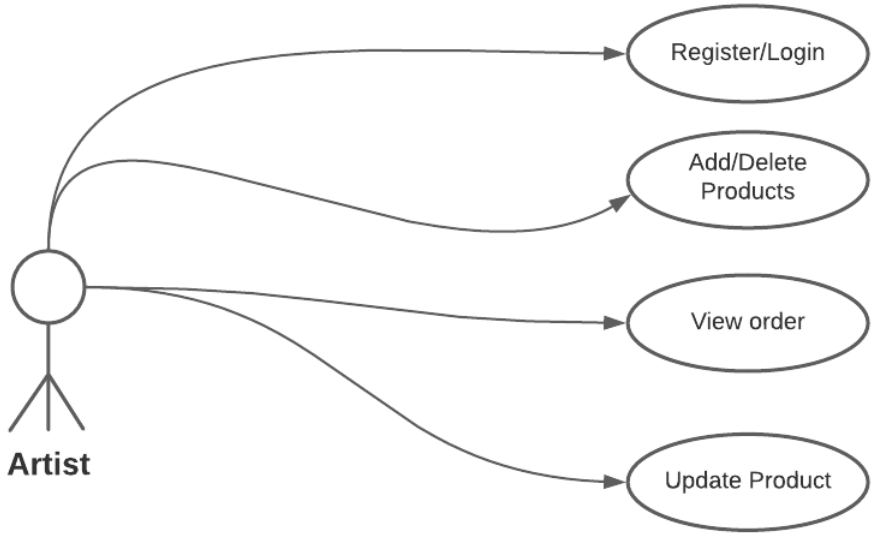


Fig 2: Use-Case Diagram for Artist

➢ **Admin:**

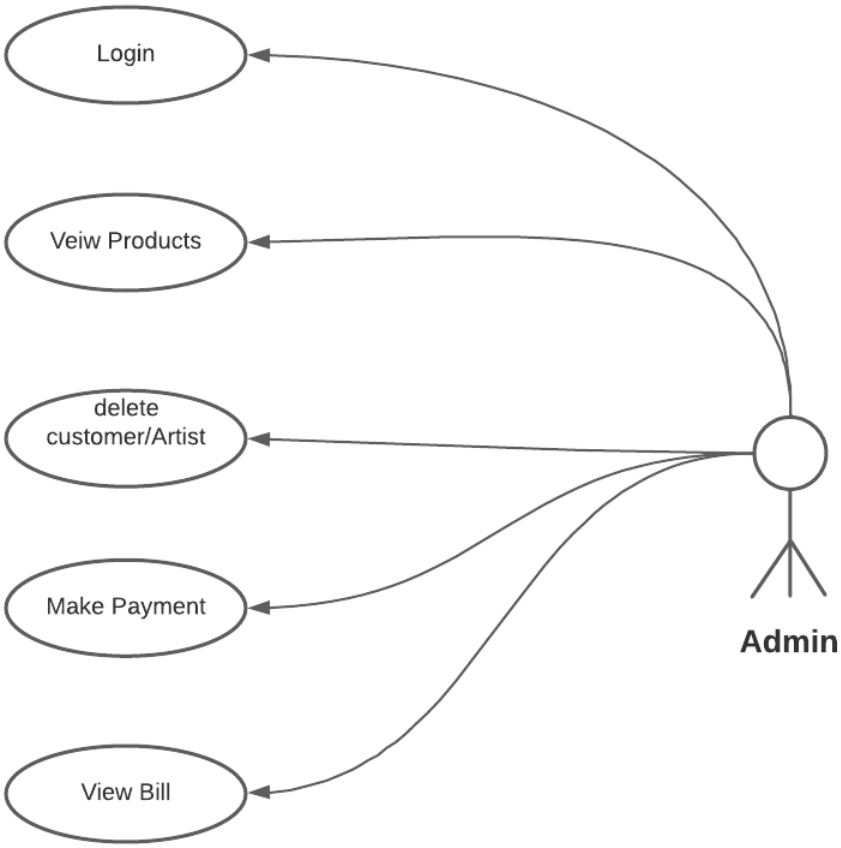


Fig 3: Use-Case Diagram for Admin

5.2 Activity Diagram:

- **Activity Diagram for Artist:**

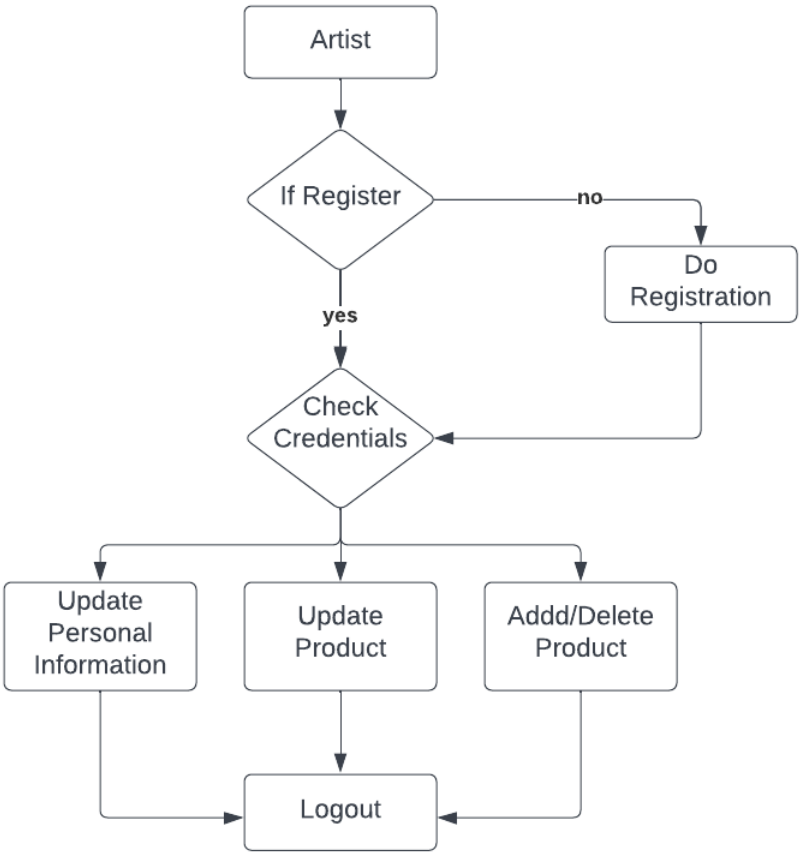


Fig 4: Activity Diagram for Artist

➢ **Activity Diagram for Customer:**

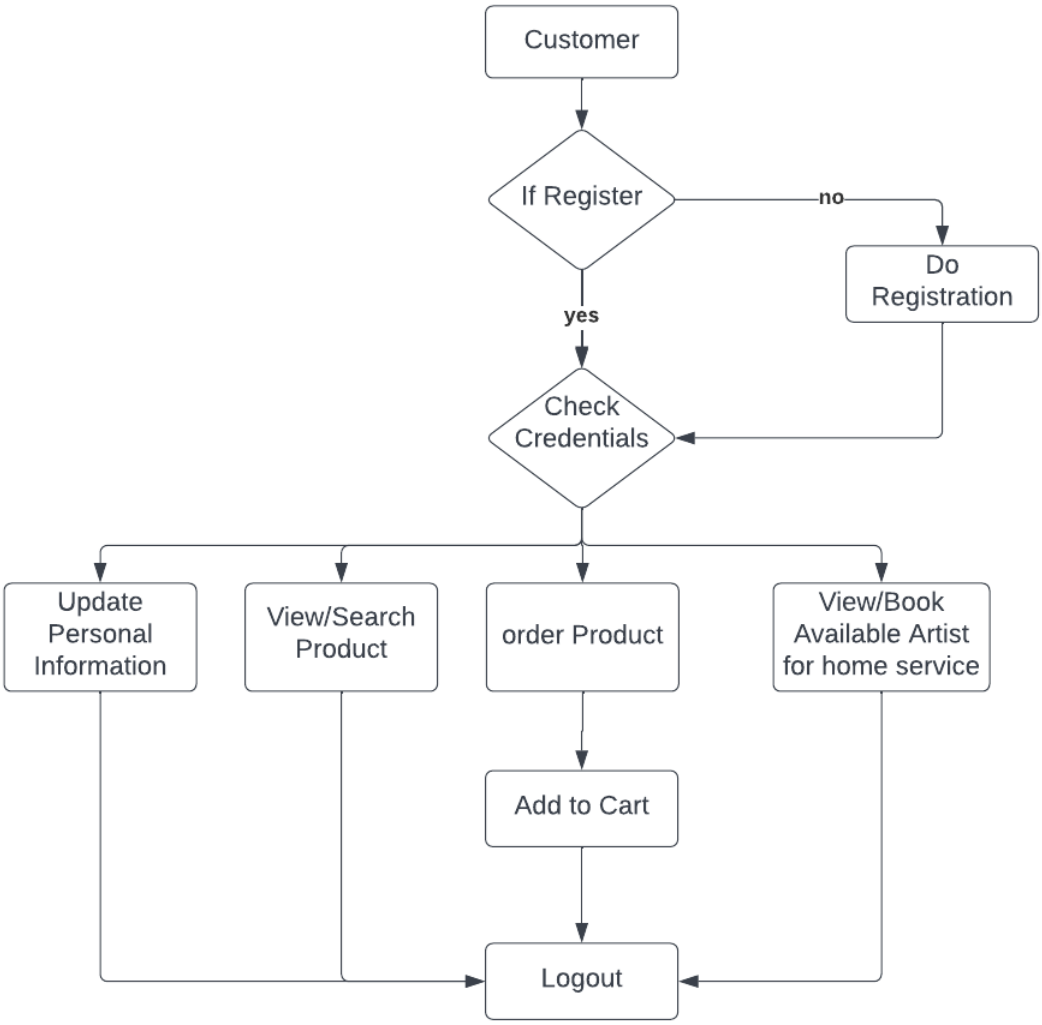


Fig 5: Activity Diagram for Customer

➢ **Activity Diagram for Admin**

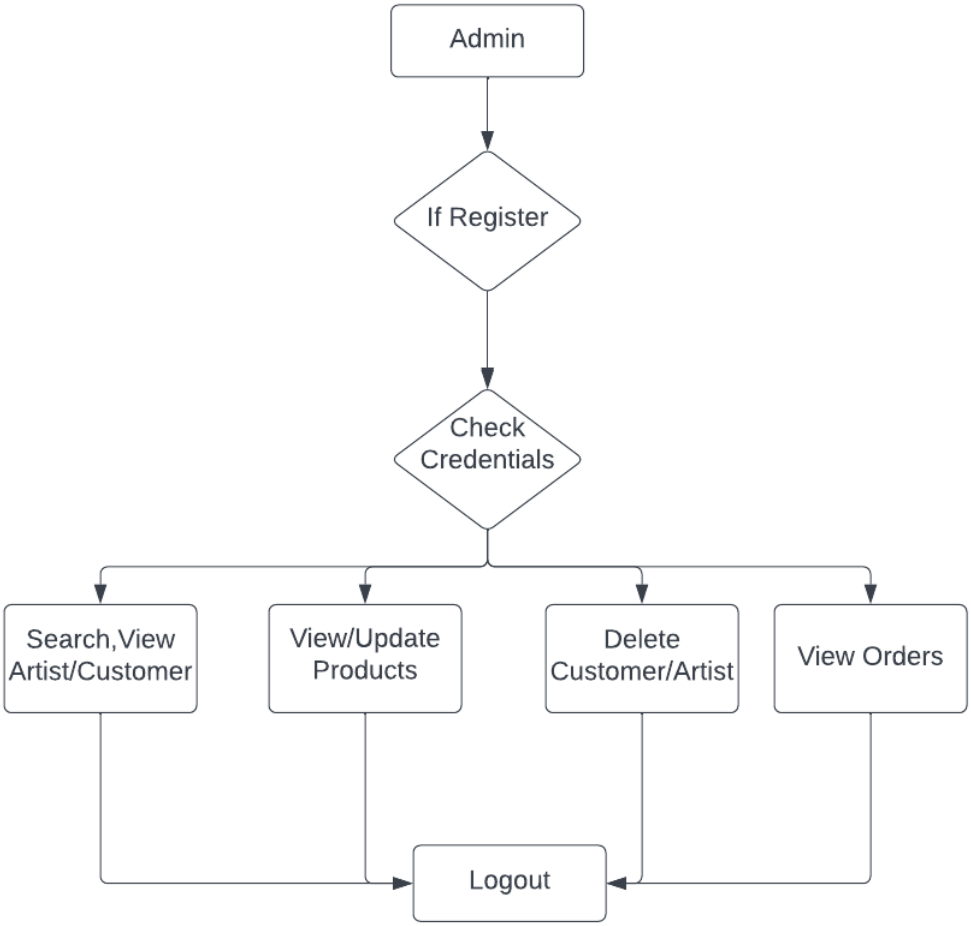
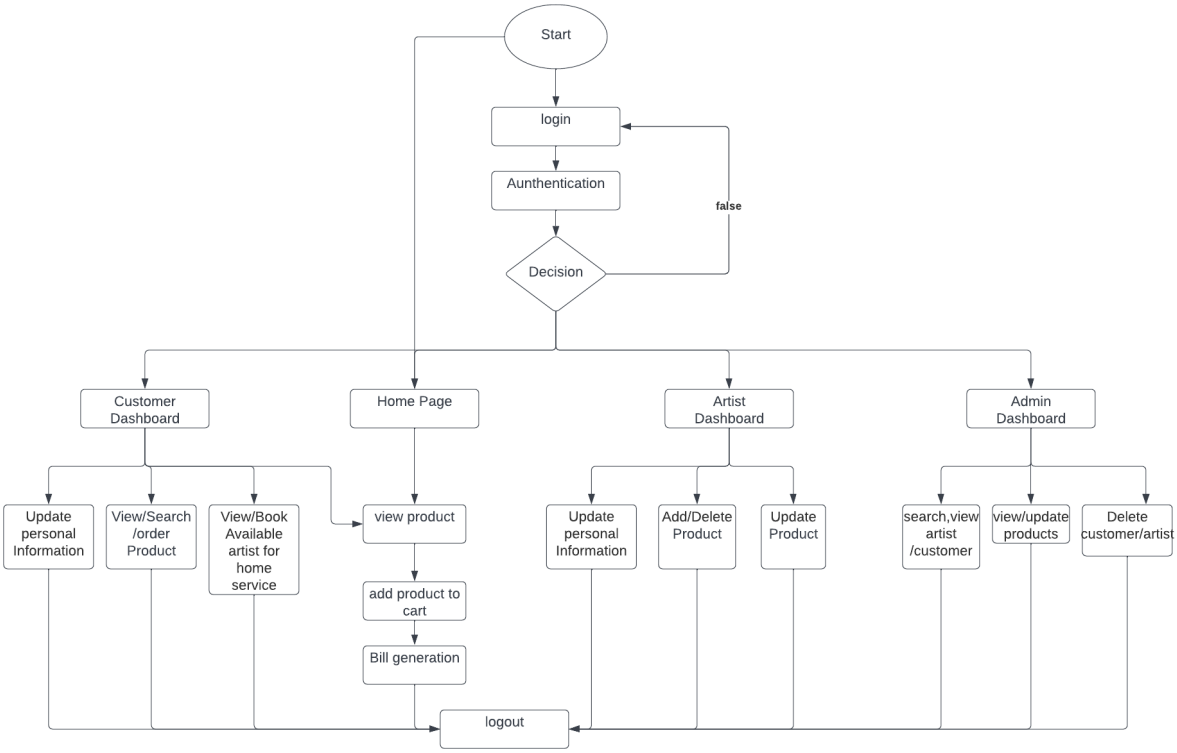


Fig 6: Activity Diagram for Admin

➢ Entire Activity Diagram



➢ **Fig 7: Entire Activity Diagram**

5.3 Entity Relation Diagram:

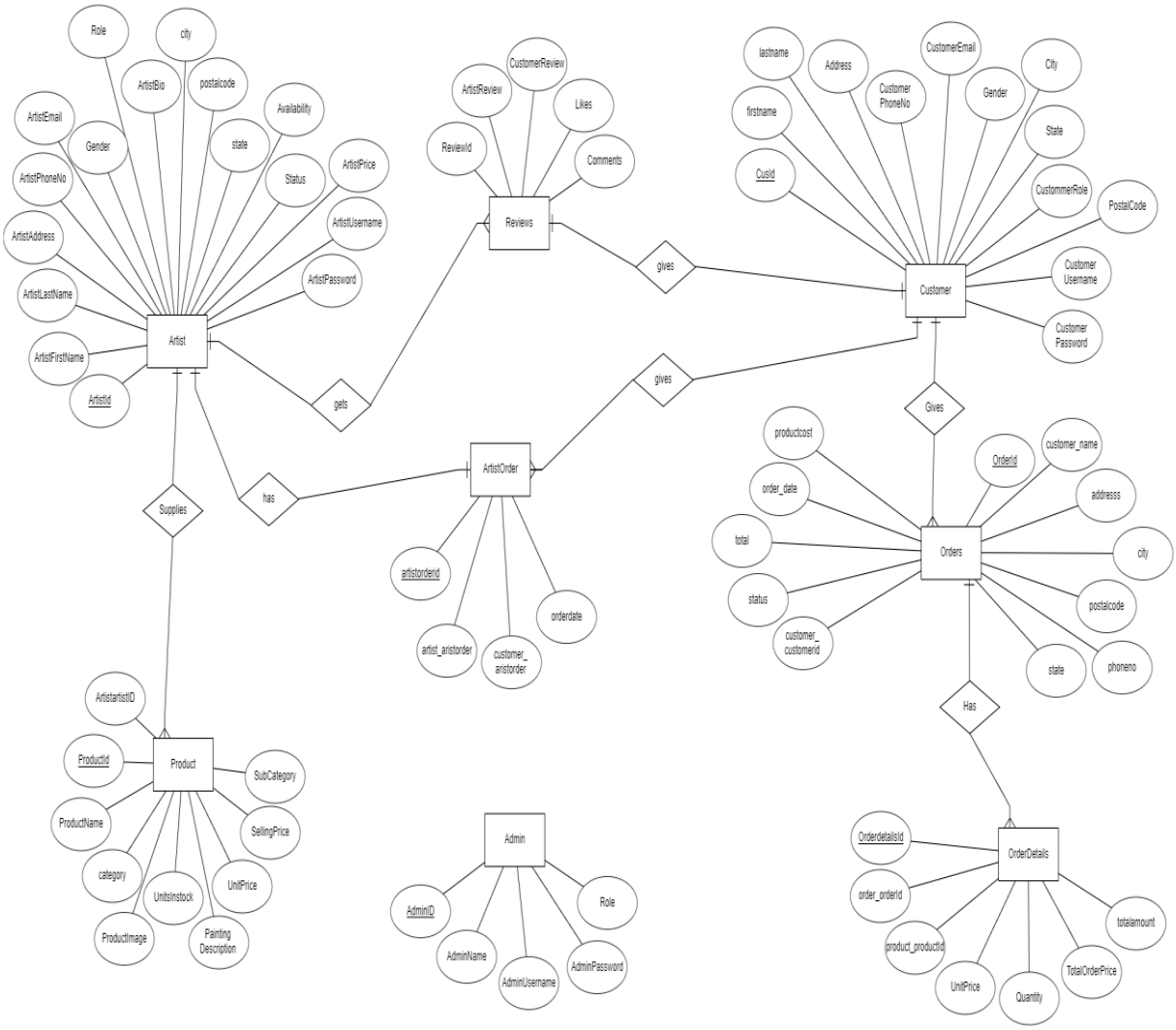


Fig 8: Entity Relation Diagram

5.4 Flow Chart:

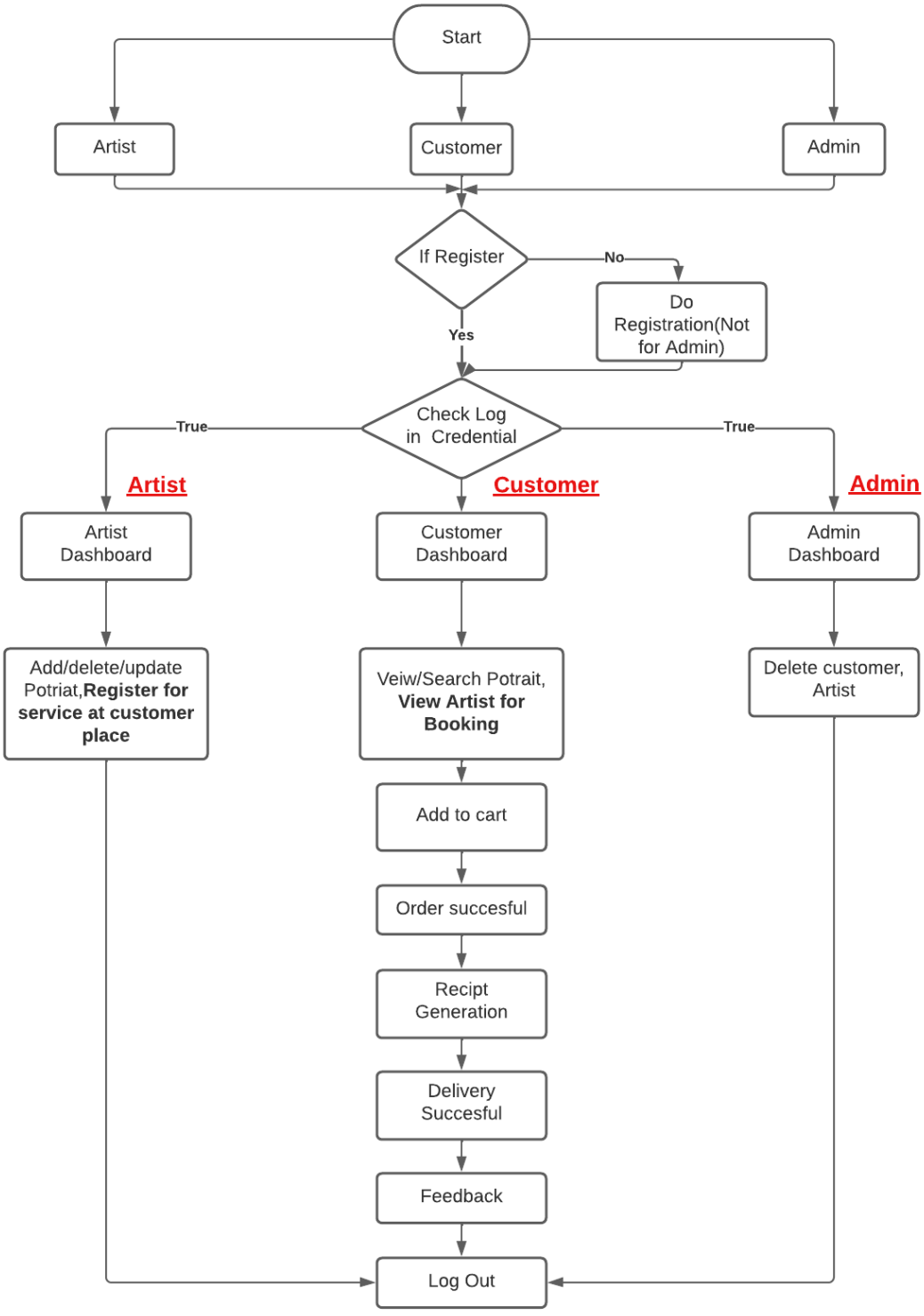


Fig 9: Flow Chart

5.5 Data Flow Diagram:

- **Level 0 Data Flow Diagram:**

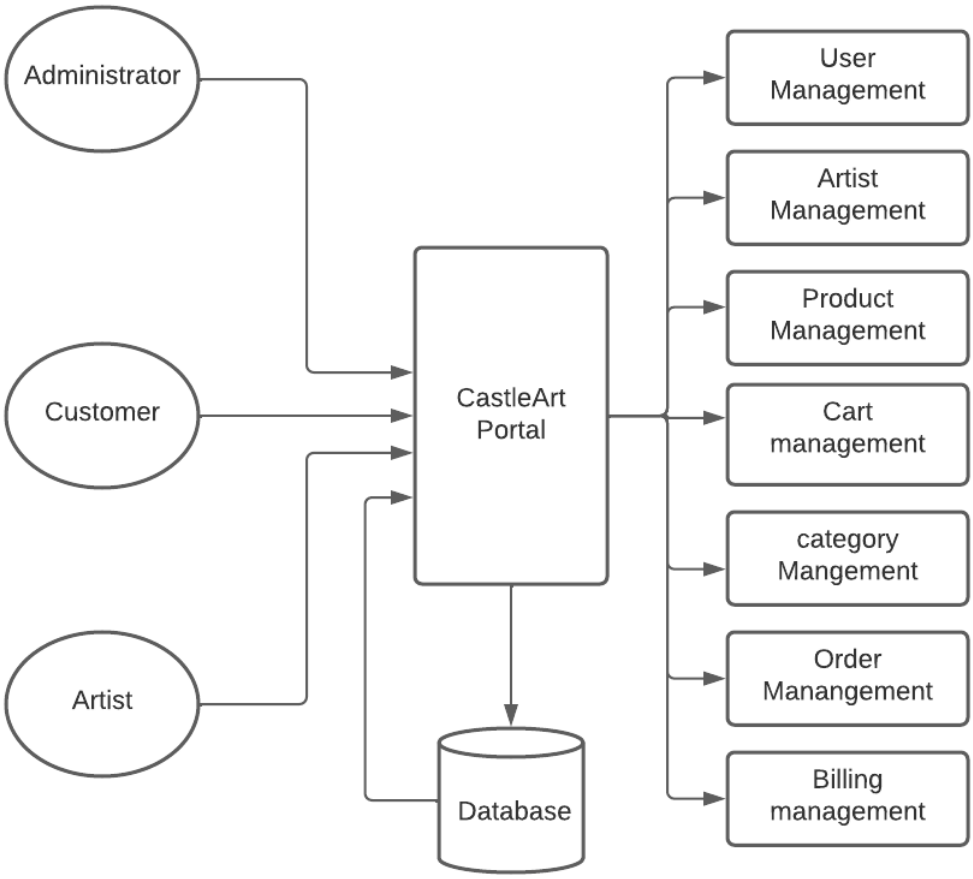


Fig 10: Data Flow Diagram Level 0

- **Level 1 Data Flow Diagram:**

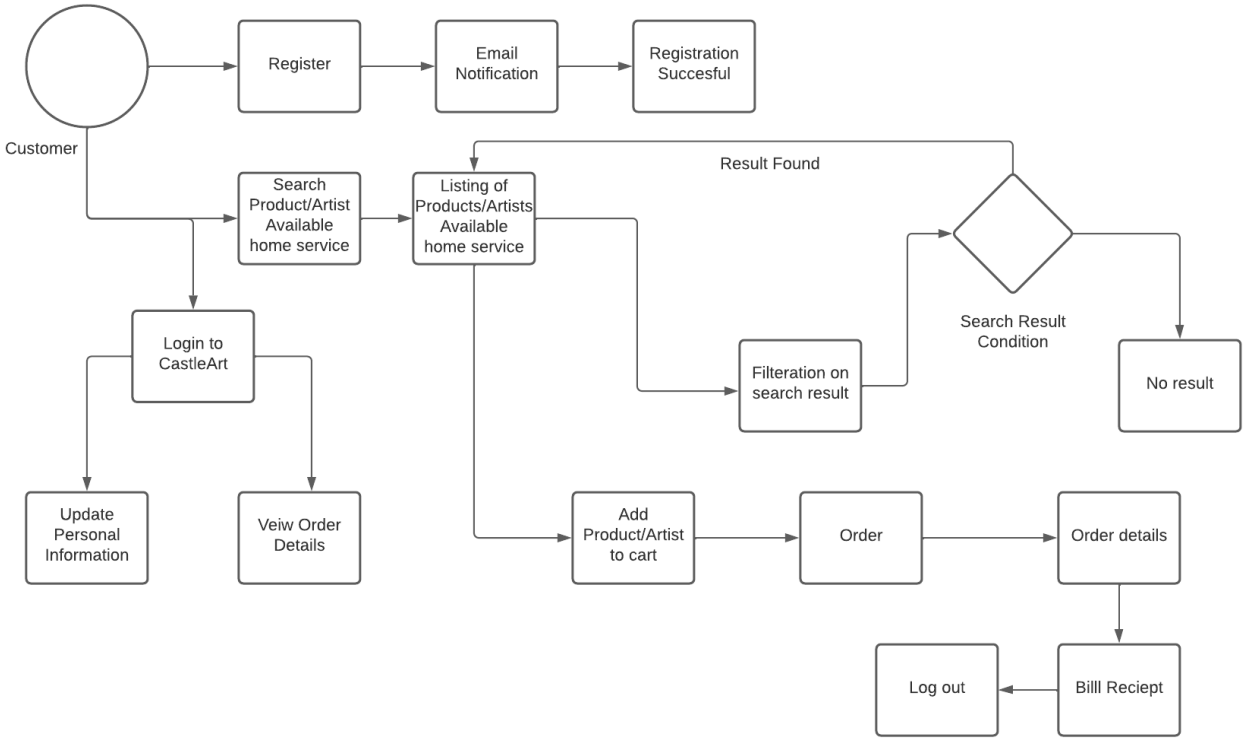


Fig 11: Data Flow Diagram Level 1

- **Level 2 Data Flow Diagram:**

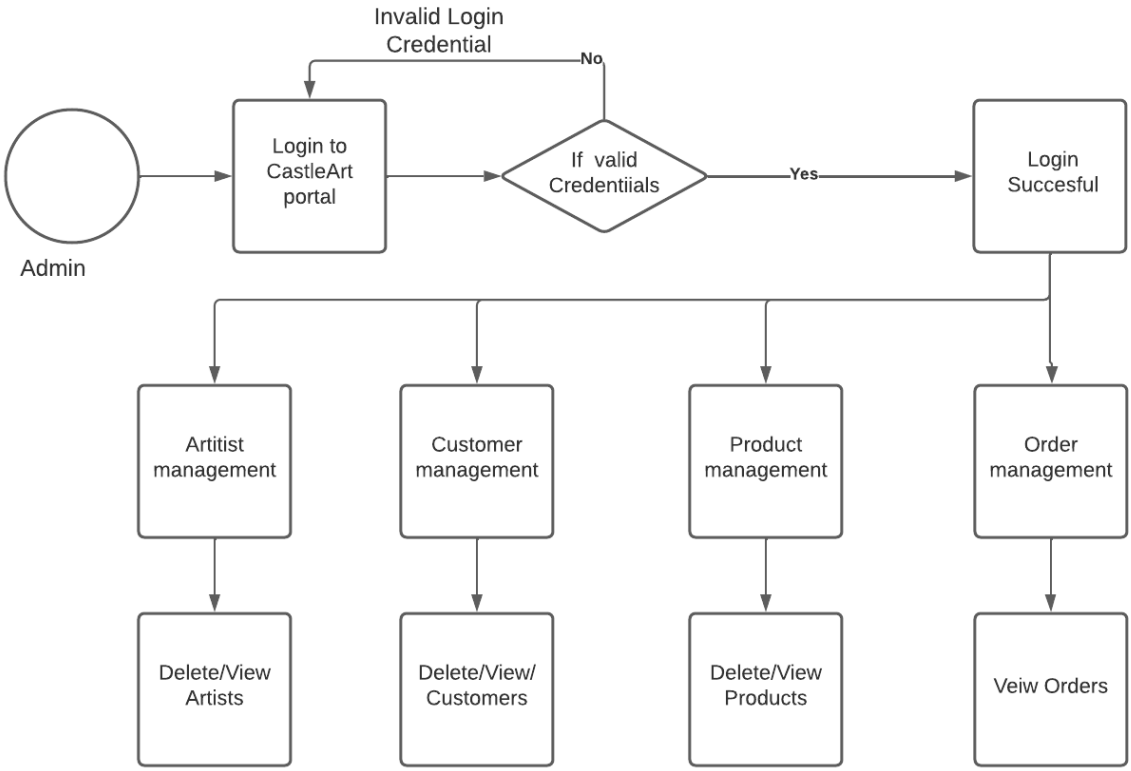


Fig 12: Data Flow Diagram Level 2

- **Level 3 Data Flow Diagram:**

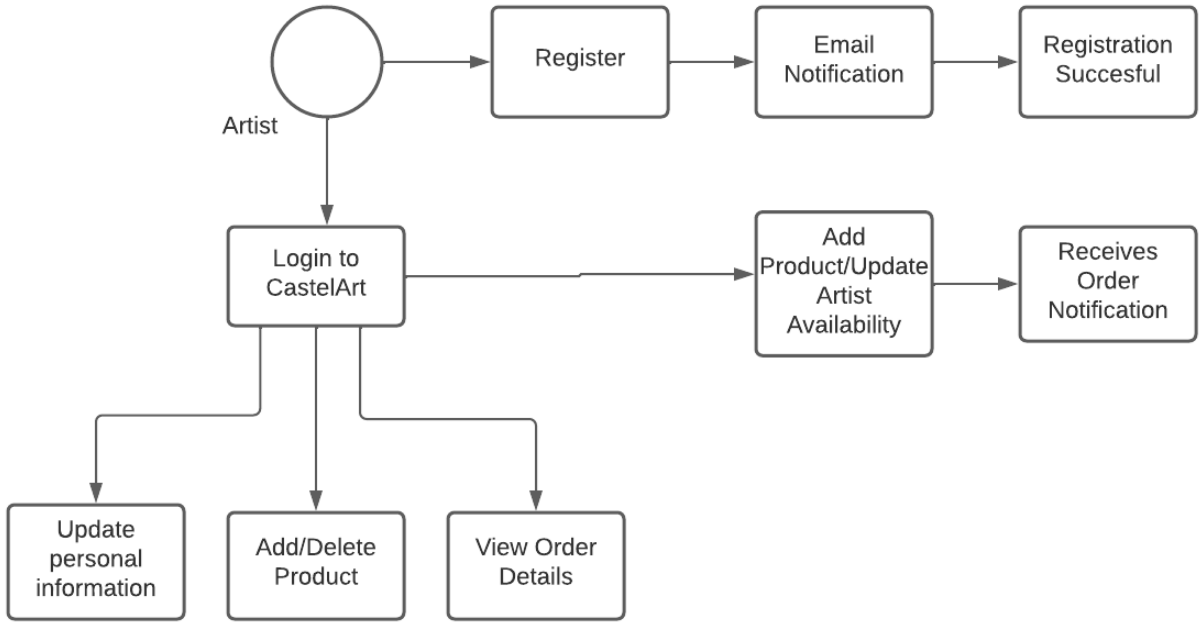


Fig 13: Data Flow Diagram Level 3

5.6 Class Diagram:

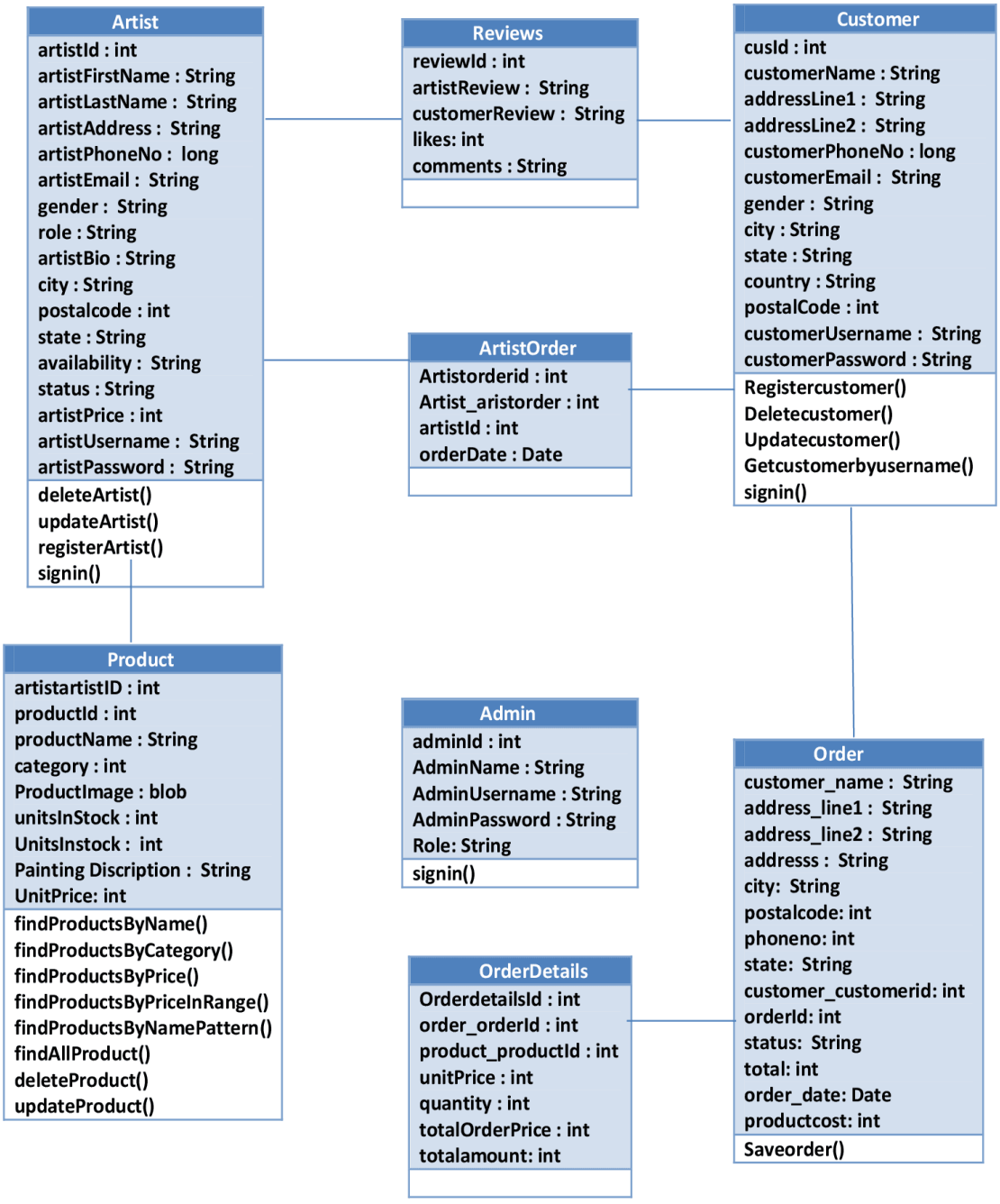


Fig 14 Class Diagram

6. Database Design:

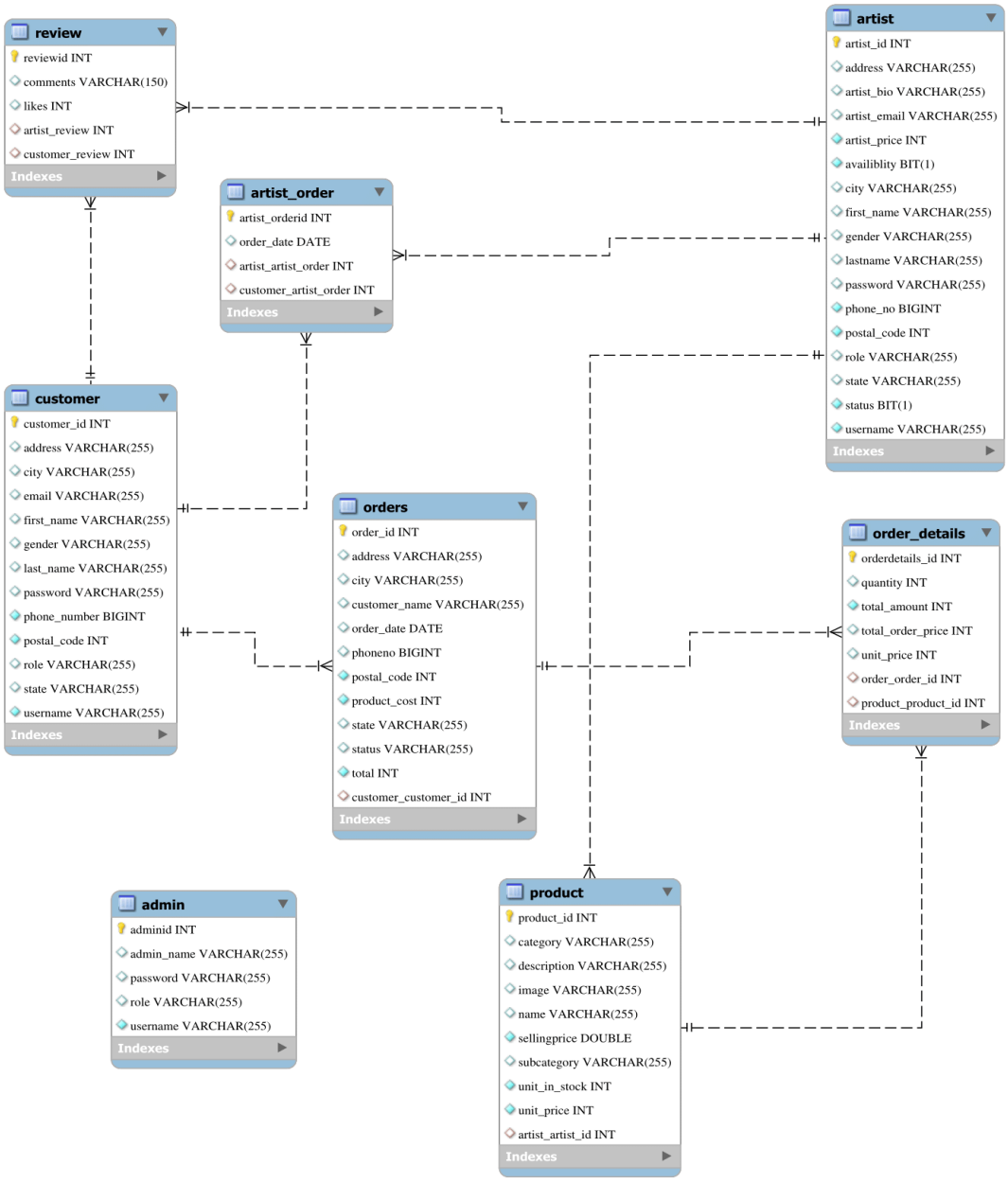
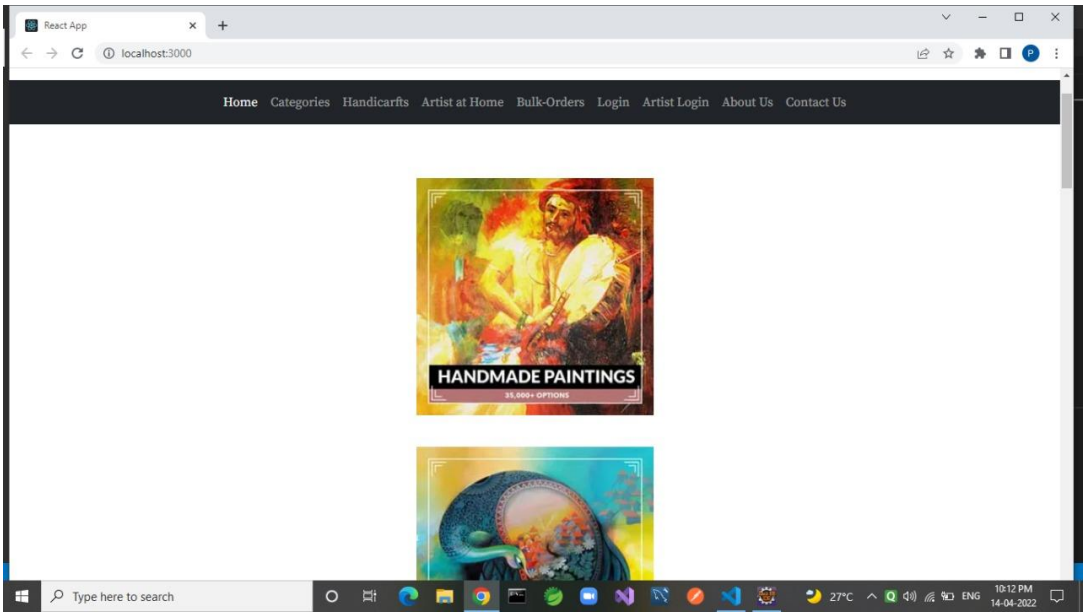


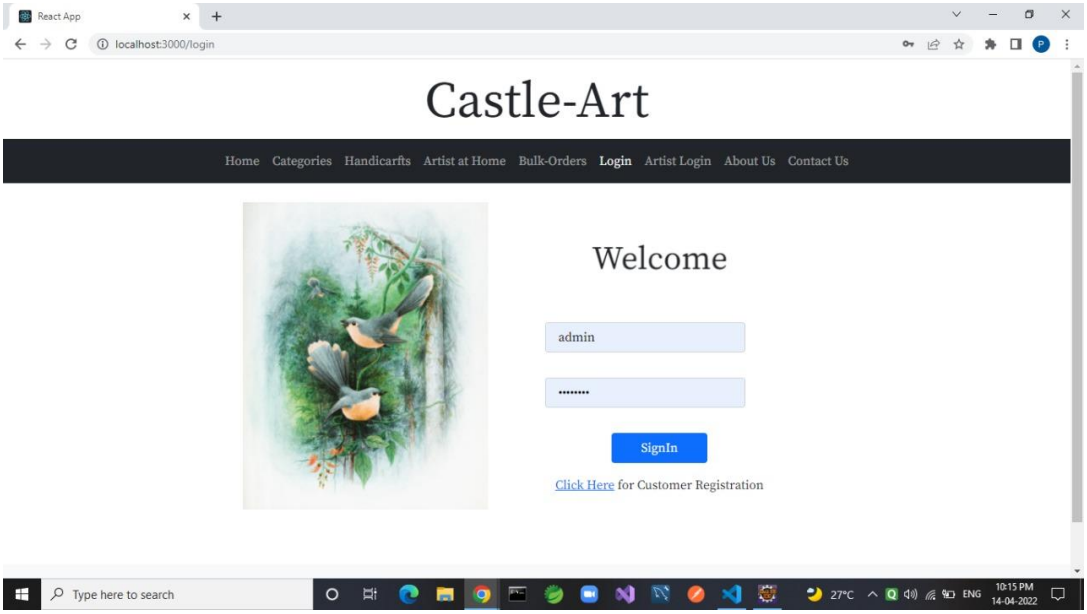
Fig 15 Database Design Diagram

7. Snap Shots:

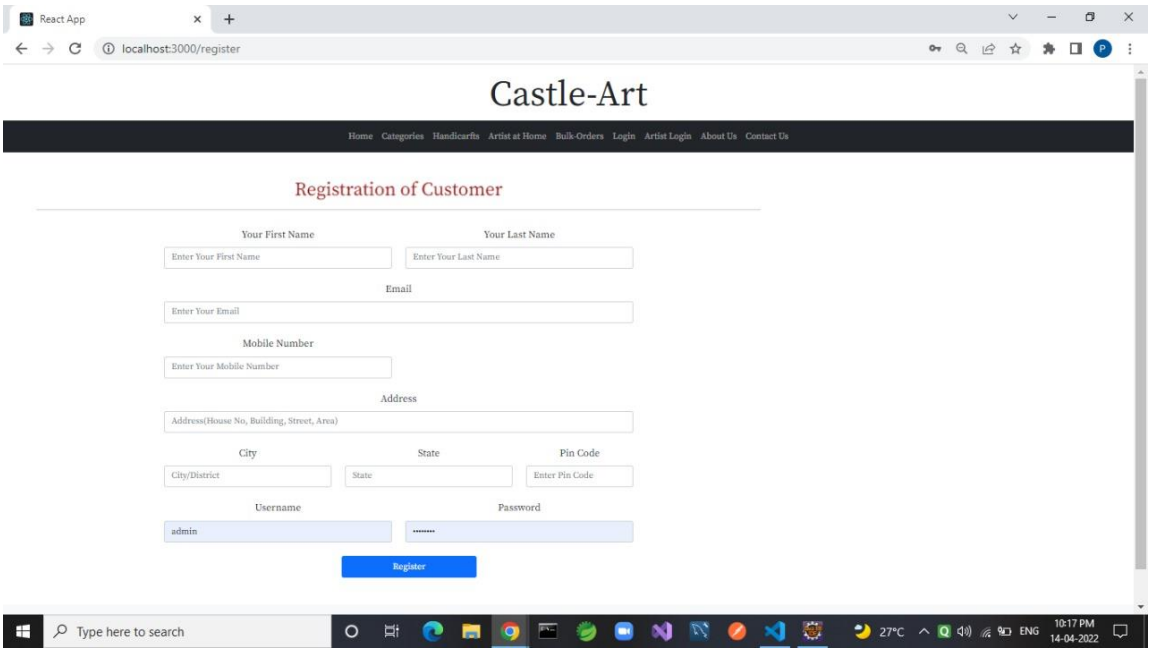
7.1 Home Page



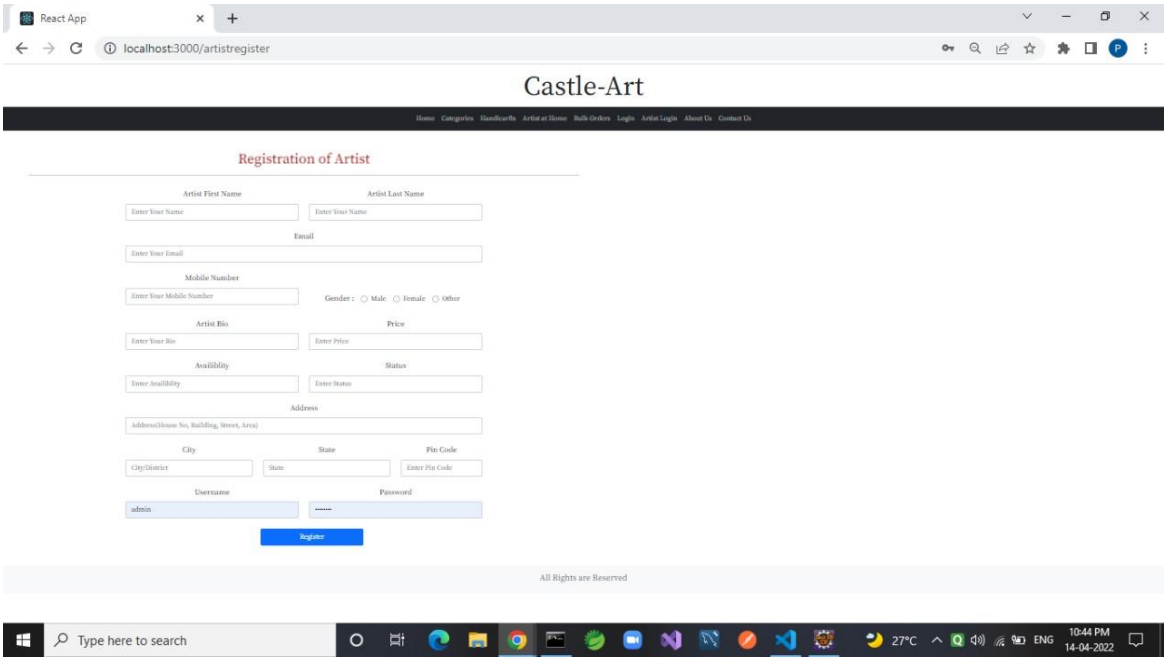
7.2 Customer Login



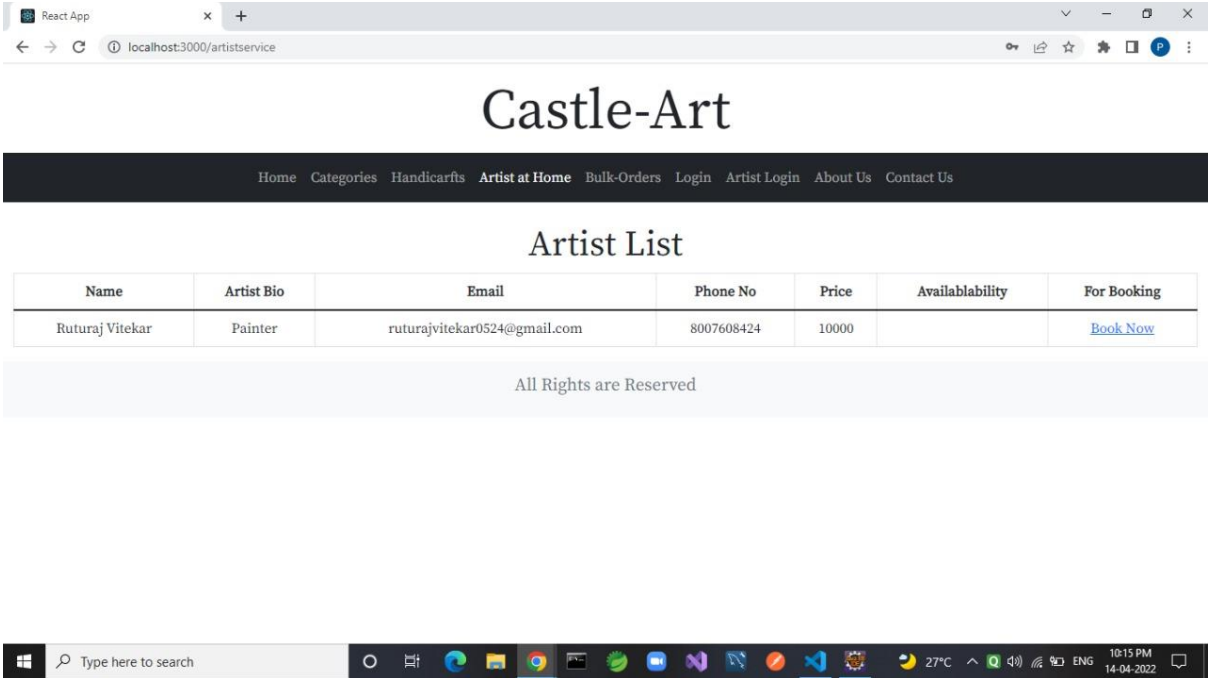
7.3 Customer Registration



7.4 Artist Registration



7.5 Artist List



8. Conclusion and Future Scope:

- CastleArt provides a verified platform for online shopping and booking of Artist. A single platform to sell products by vendors and to buy by customers.
- We can add Exhibition service in existing project.
- We can arrange live tutorials, exhibitions for artist and customer respectively.
- We can add different artists like Dancers, magicians, singer, etc for book at your place service.