

Project Name: CastleArt Branch PG-
DAC Sep-2021

Documentation On

“CastleArt”
PG-DAC September 2022

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Submitted By :

Group No: 11

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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 pandemic. 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 many 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 handicrafts 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:

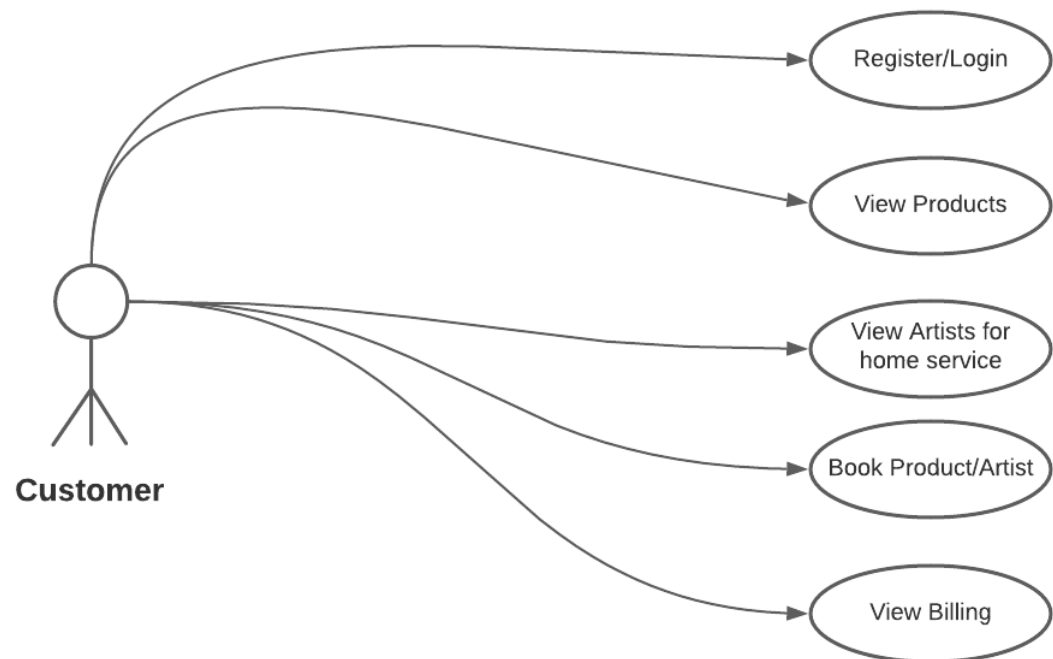


Fig 1: Use-Case Diagram for Customer

➤ **Artist:**

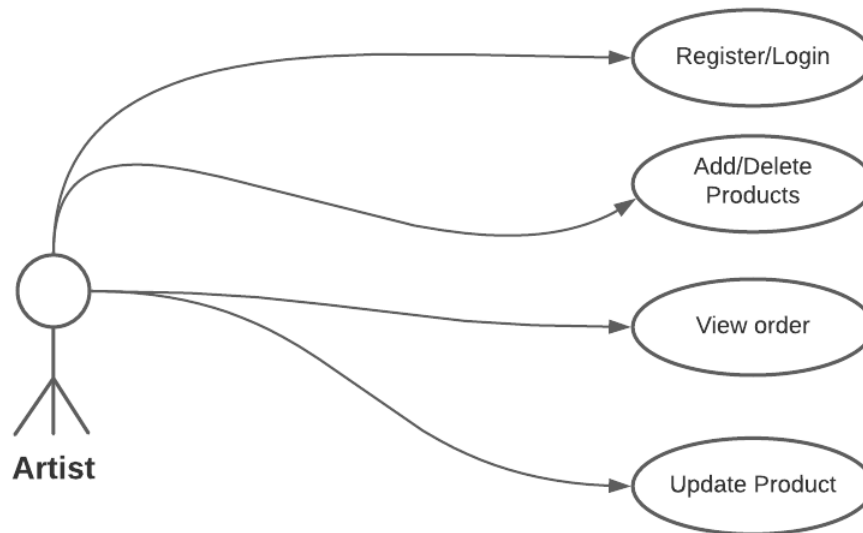
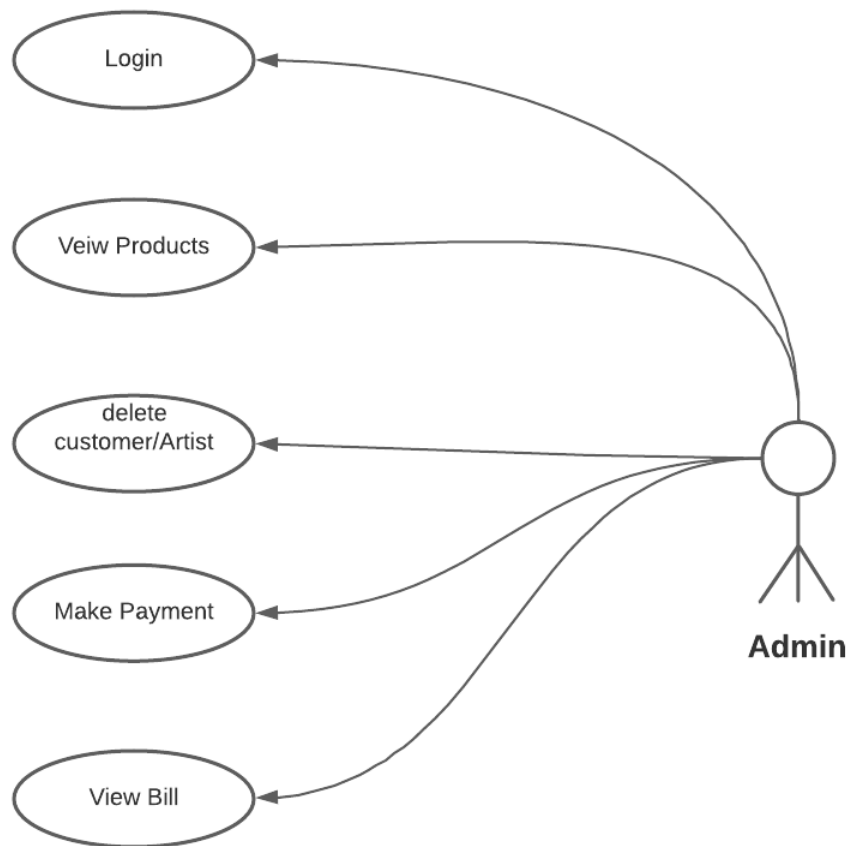


Fig 2: Use-Case Diagram for Artist

➤ Admin:**Fig 3: Use-Case Diagram for Admin**

5.2 Activity Diagram:

➤ Activity Diagram for Artist:

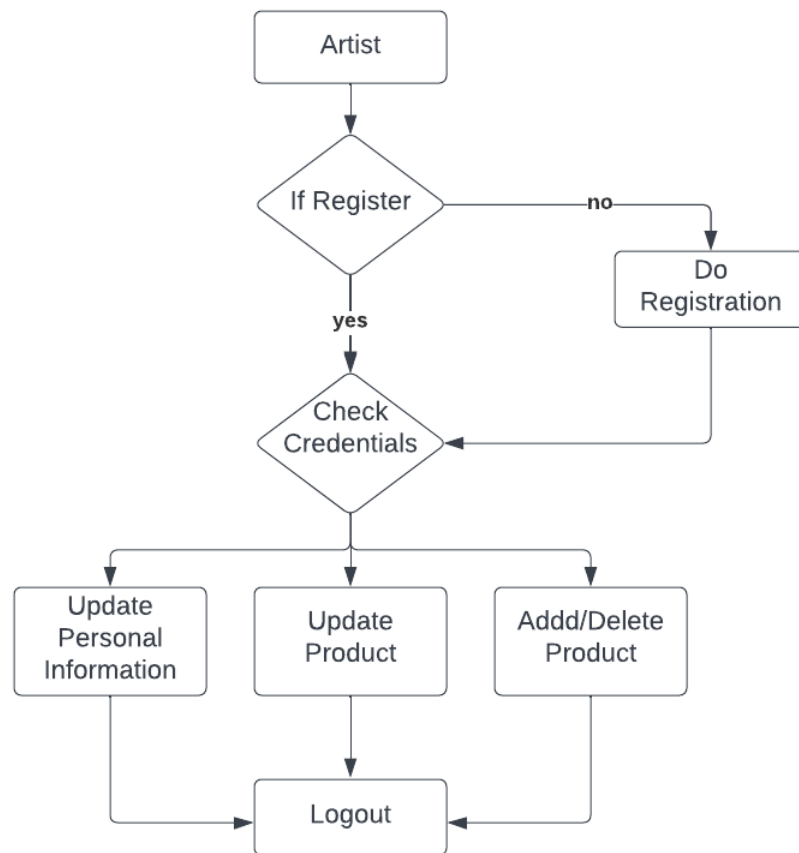


Fig 4: Activity Diagram for Artist

➤ **Activity Diagram for Customer:**

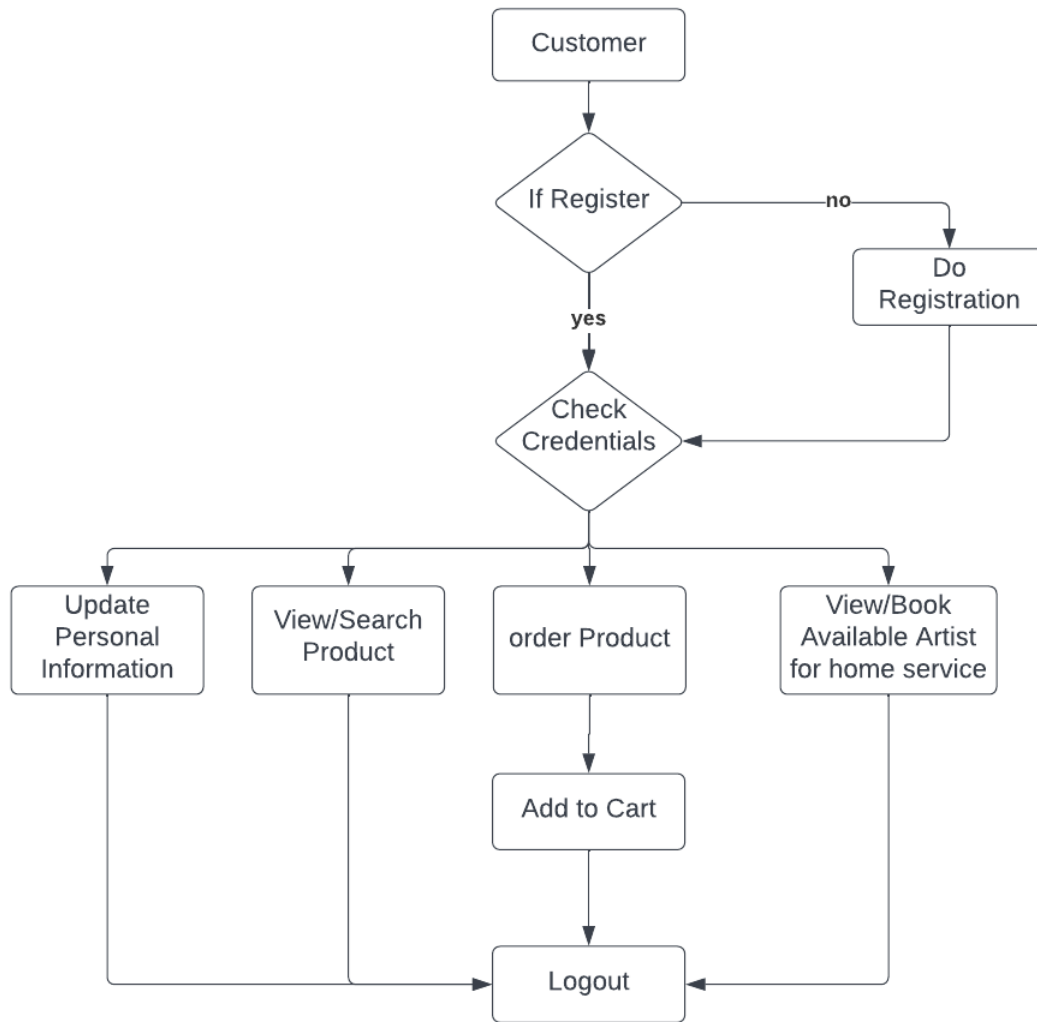


Fig 5: Activity Diagram for Customer

➤ Activity Diagram for Admin

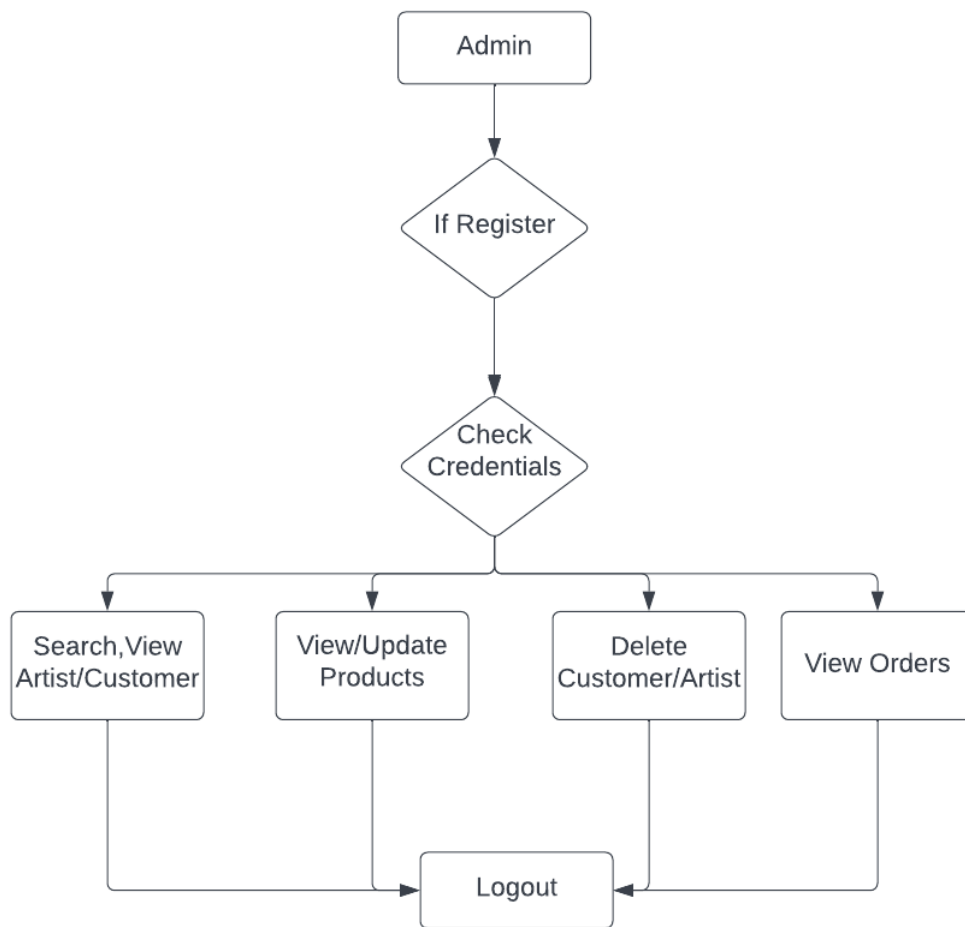


Fig 6: Activity Diagram for Admin

➤ Entire Activity Diagram

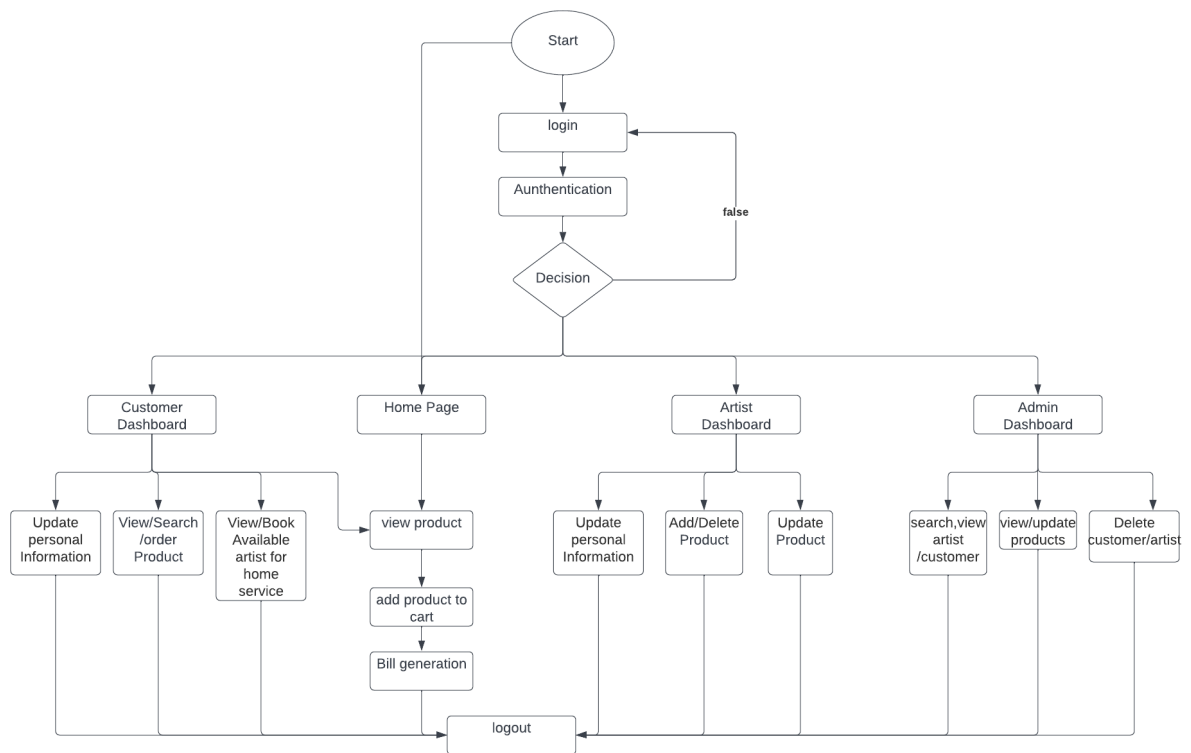


Fig 7: Entire Activity Diagram

5.3 Entity Relation Diagram:

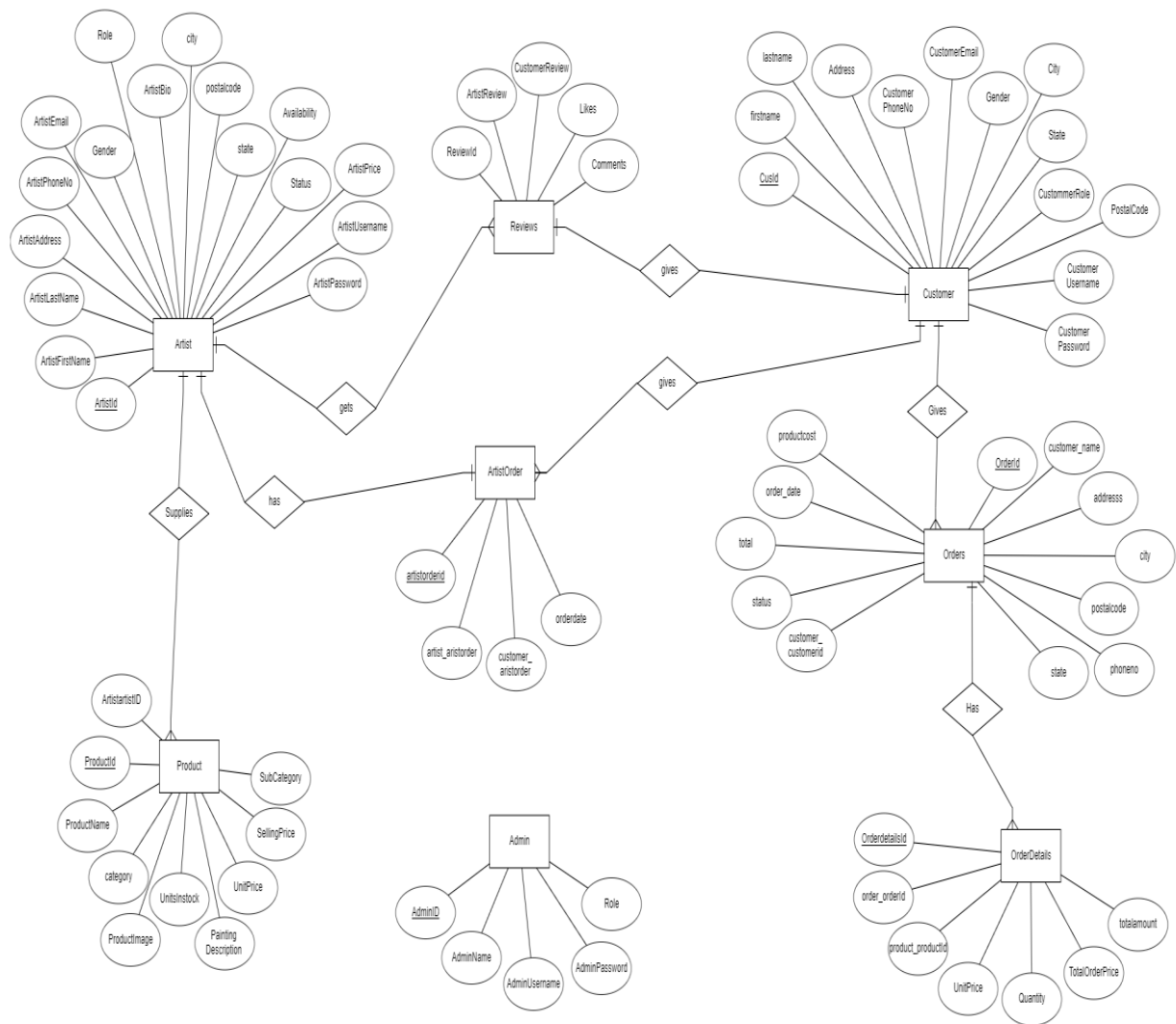


Fig 8: Entity Relation Diagram

5.4 Flow Chart:

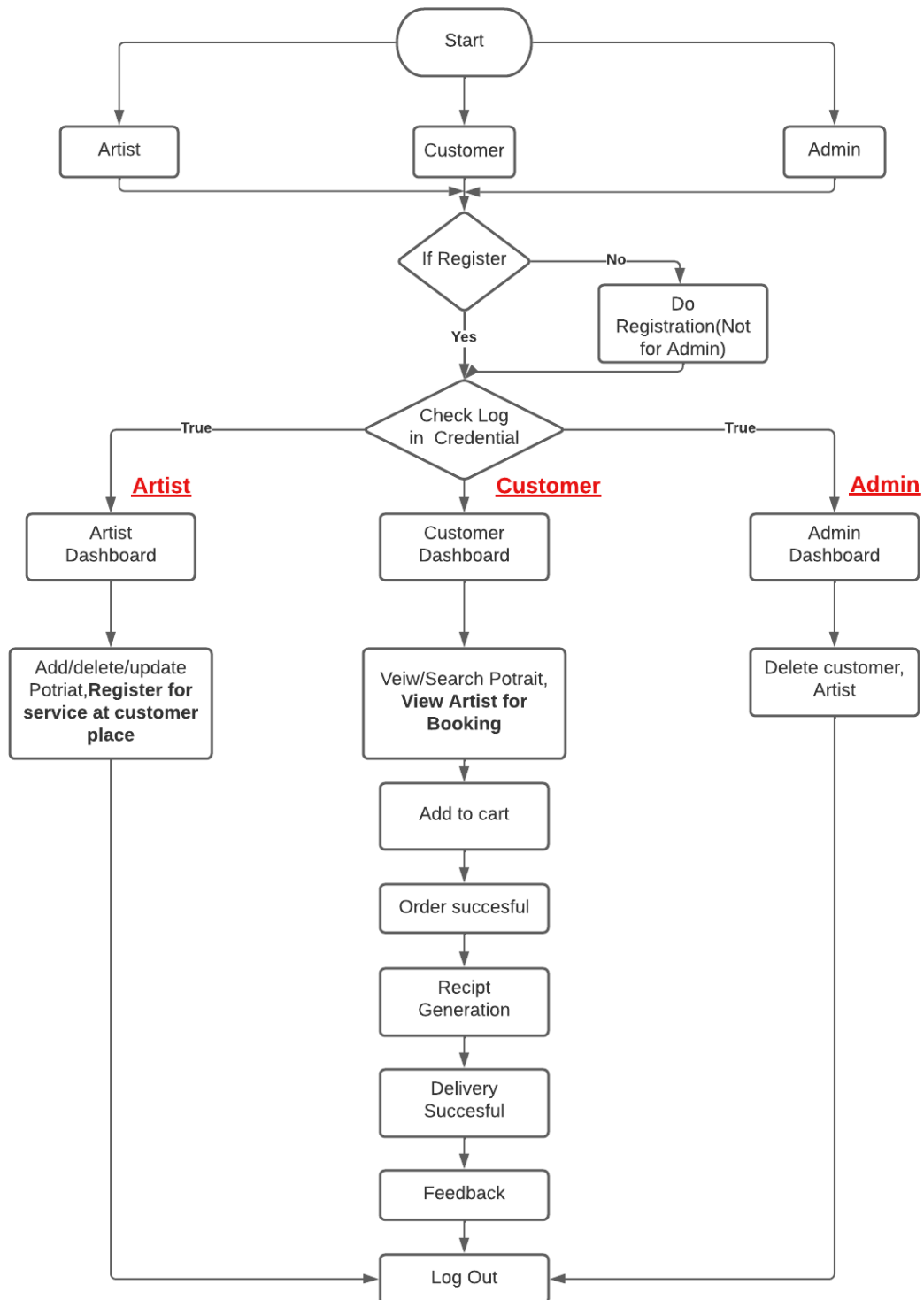


Fig 9: Flow Chart

5.5 Data Flow Diagram:

➤ Level 0 Data Flow Diagram:

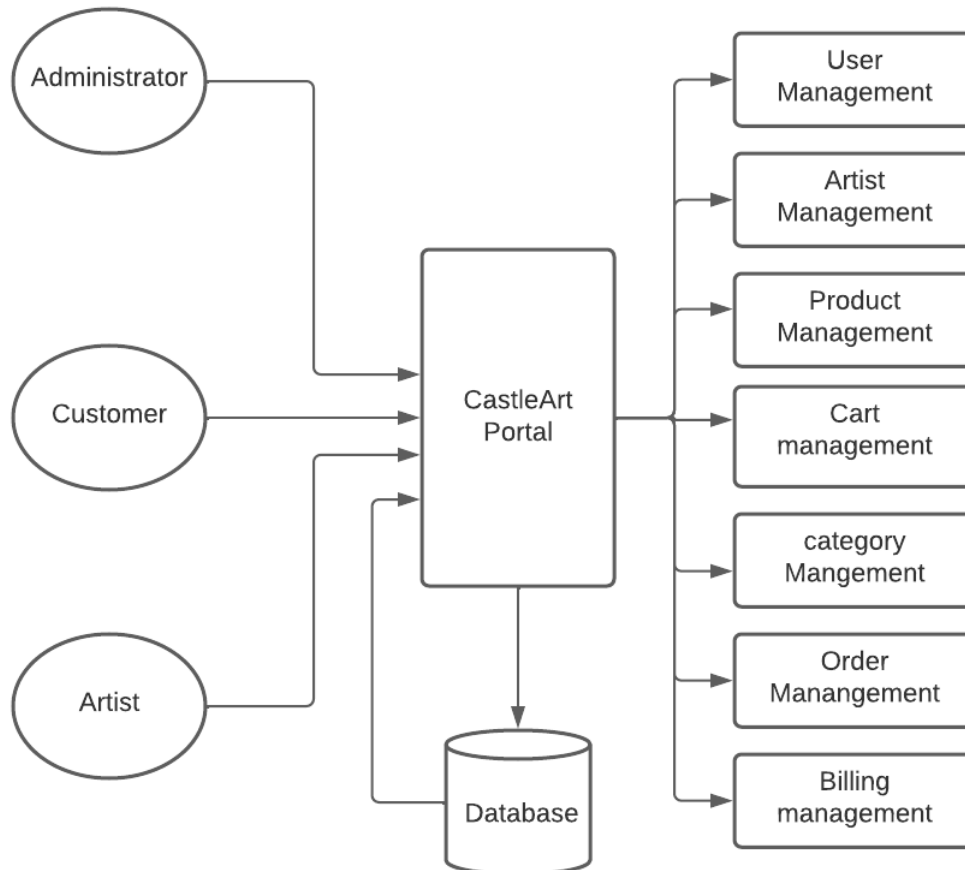


Fig 10: Data Flow Diagram Level 0

➤ **Level 1 Data Flow Diagram:**

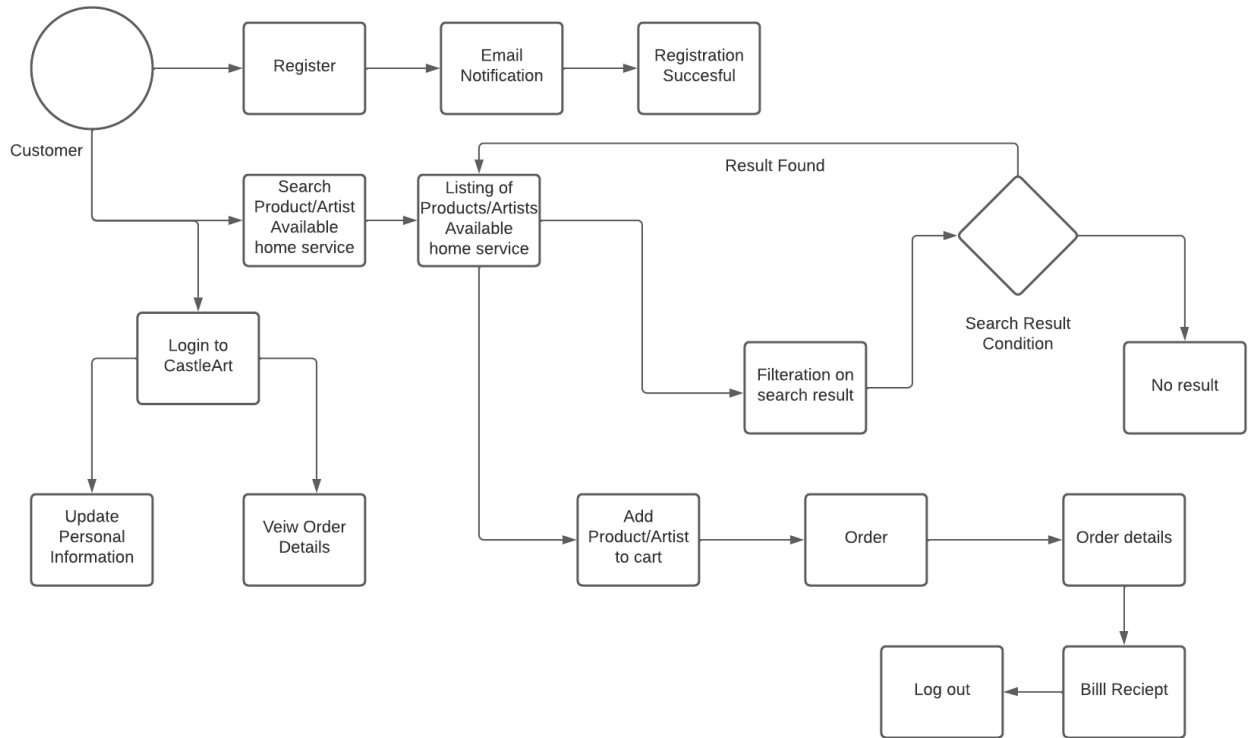


Fig 11: Data Flow Diagram Level 1

➤ **Level 2 Data Flow Diagram:**

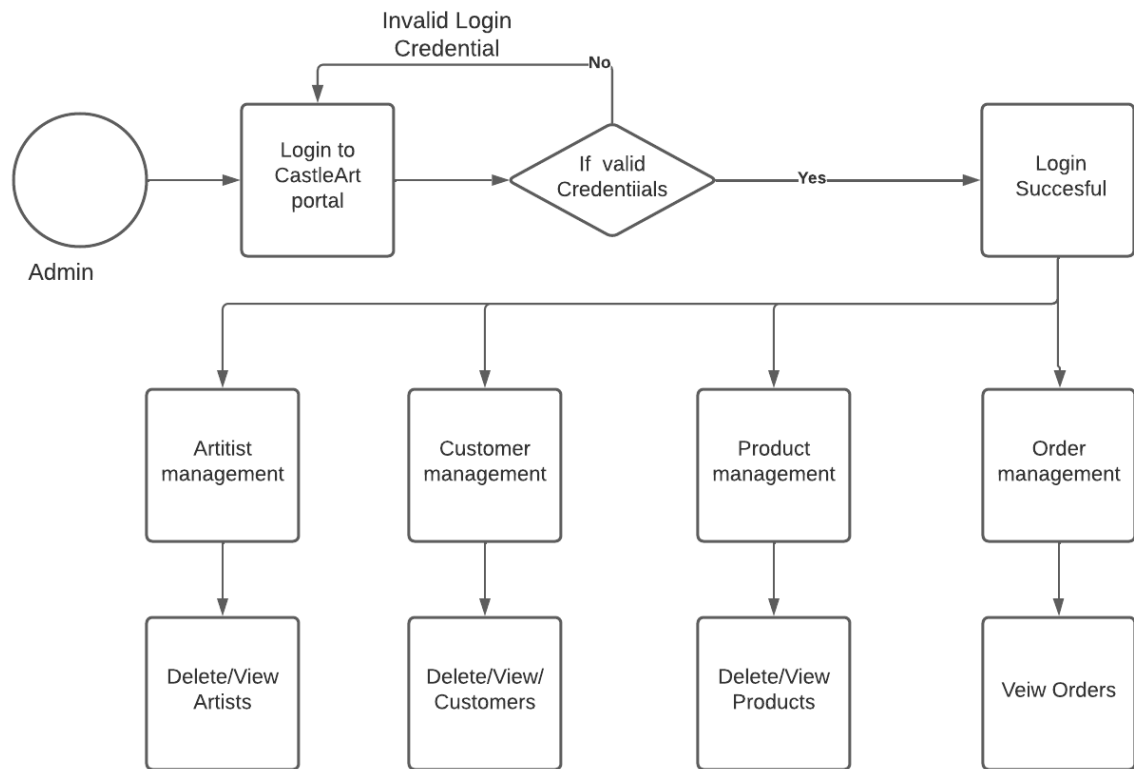


Fig 12: Data Flow Diagram Level 2

➤ **Level 3 Data Flow Diagram:**

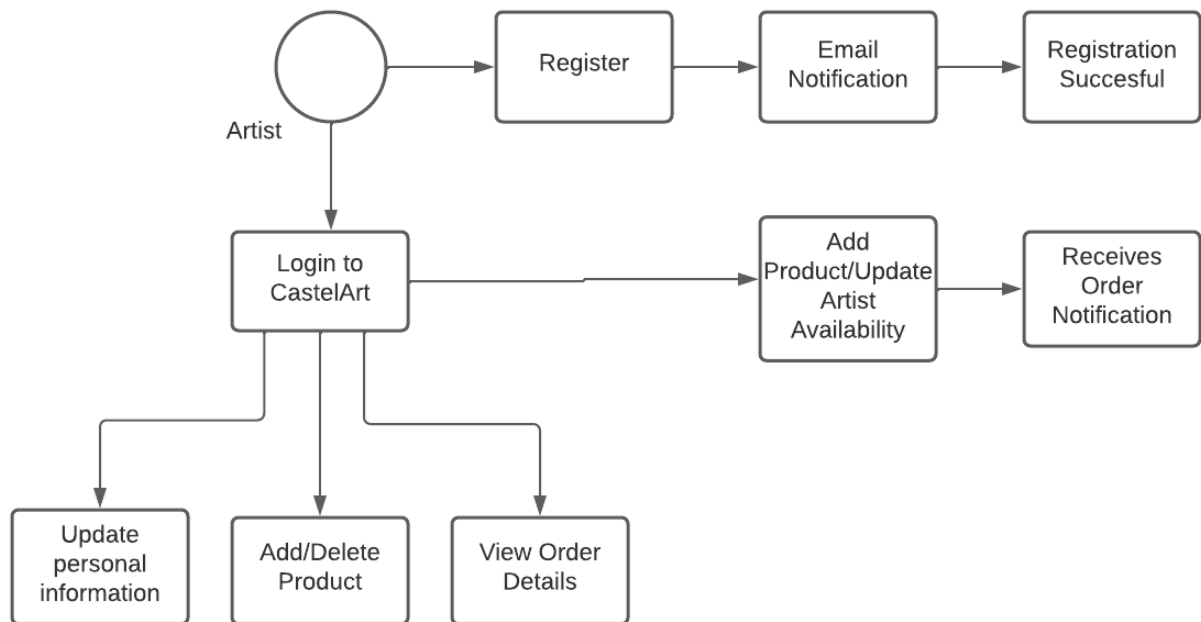


Fig 13: Data Flow Diagram Level 3

5.6 Class Diagram:

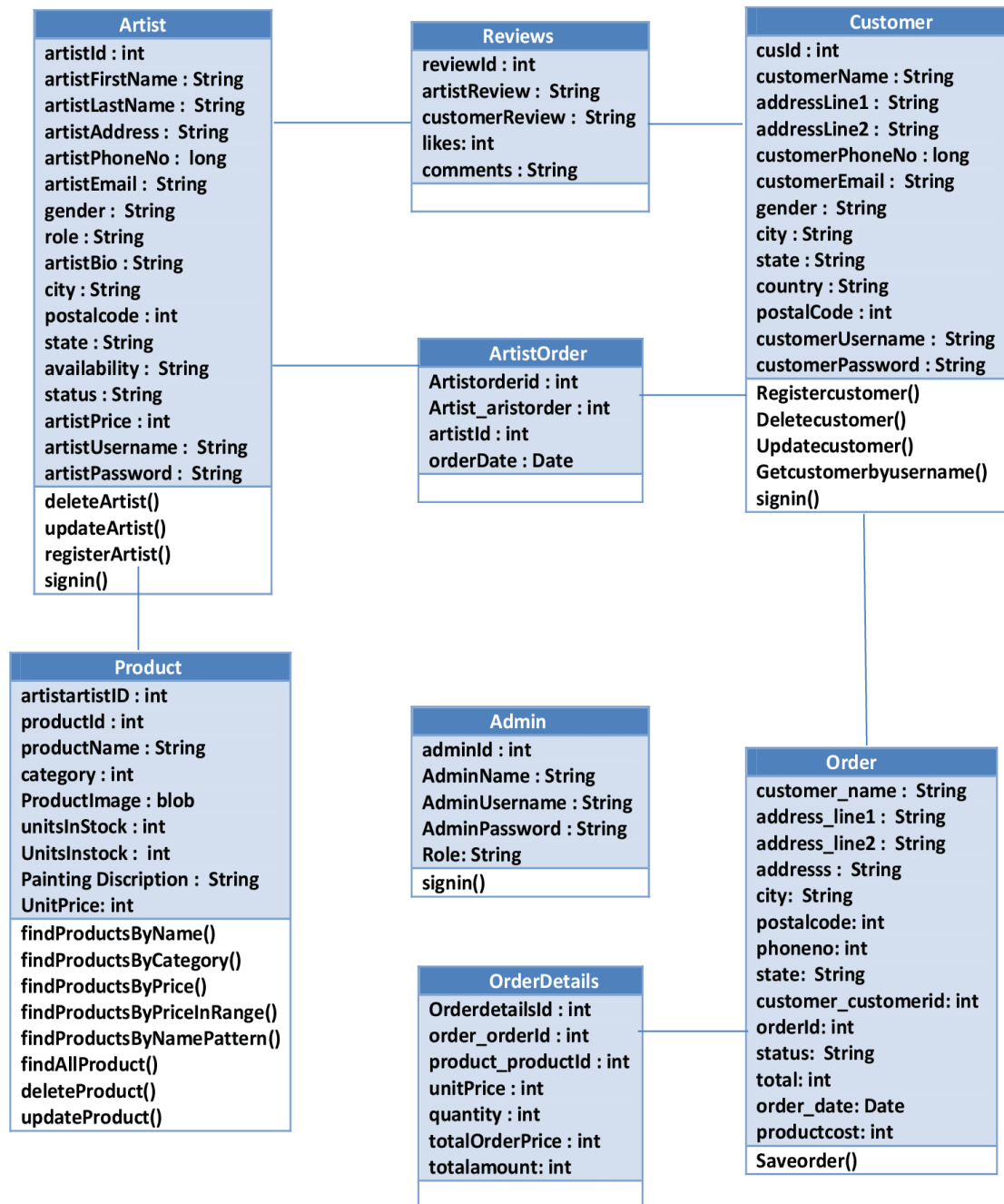


Fig 14 Class Diagram

6. Database Design:

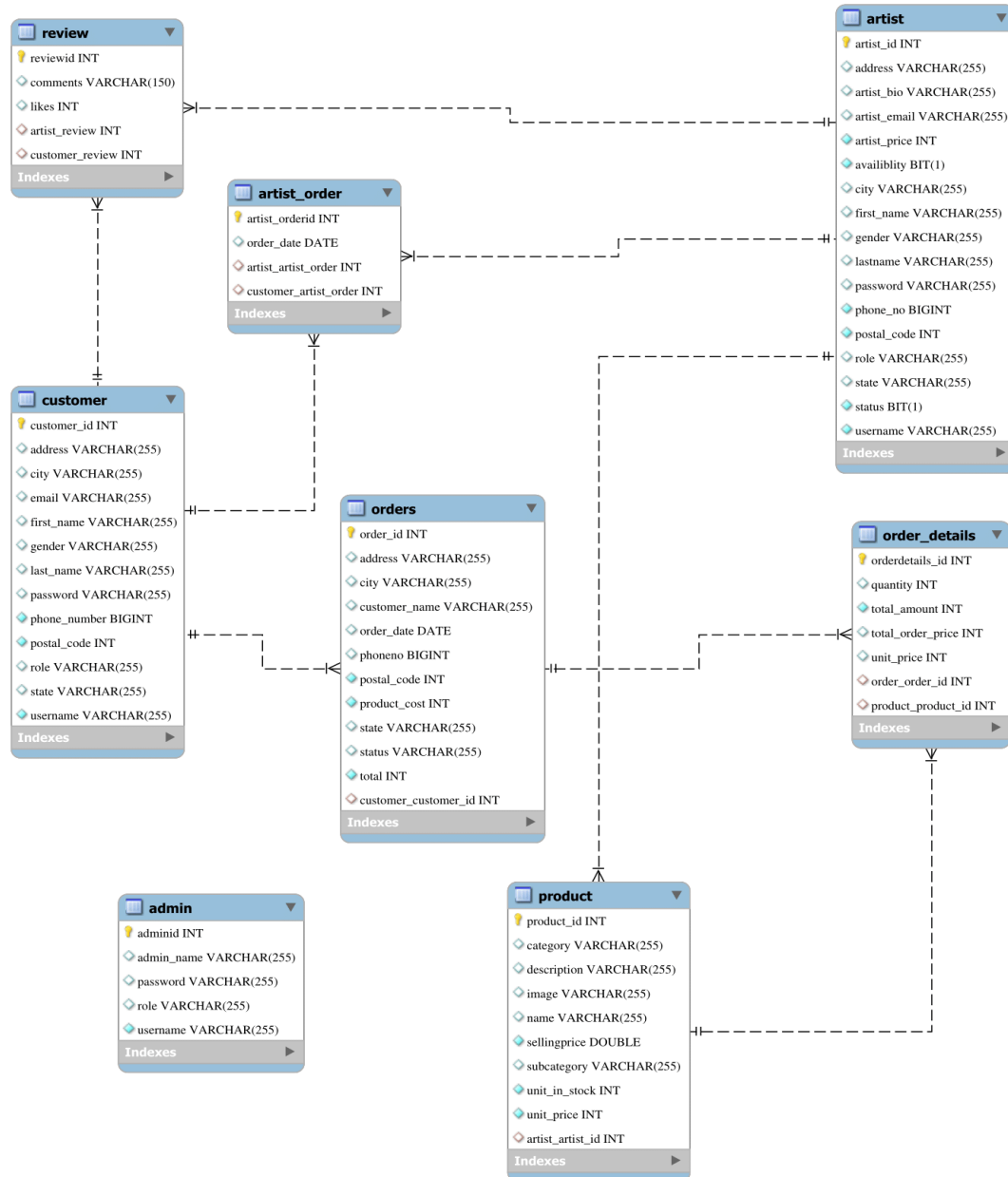
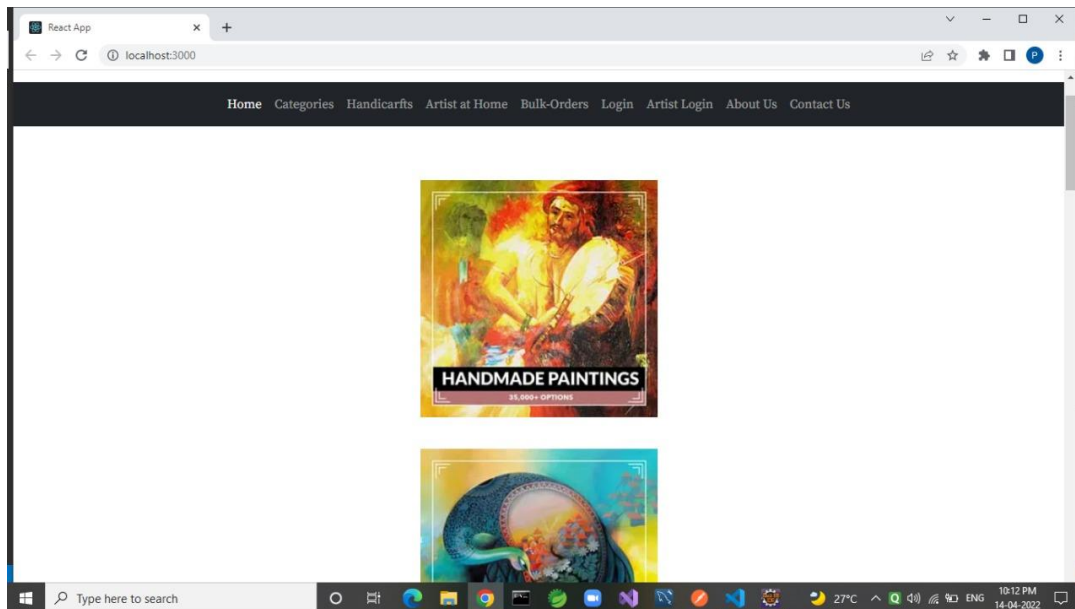


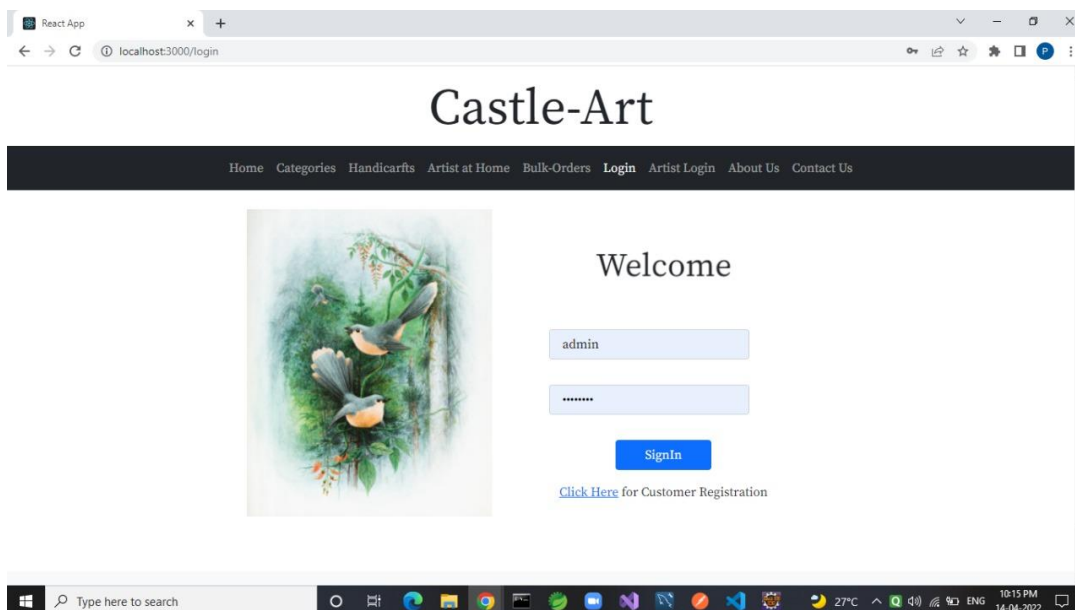
Fig 15 Database Design Diagram

7. Snap Shots:

7.1 Home Page



7.2 Customer Login



7.3 Customer Registration

The screenshot shows a web browser window with the URL `localhost:3000/register`. The page title is "Castle-Art". The navigation bar includes links: Home, Categories, Handicrafts, Artist at Home, Bulk Orders, Login, Artist Login, About Us, and Contact Us. The main heading is "Registration of Customer". The form fields are:

- Your First Name (text input)
- Your Last Name (text input)
- Email (text input)
- Mobile Number (text input)
- Address (text input, placeholder: Address(House No, Building, Street, Area))
- City (text input, placeholder: City/District)
- State (text input)
- Pin Code (text input, placeholder: Enter Pin Code)
- Username (text input, value: admin)
- Password (text input, value: admin)

A blue "Register" button is at the bottom of the form. The Windows taskbar at the bottom shows the time as 10:17 PM on 14-04-2022.

7.4 Artist Registration

The screenshot shows a web browser window with the URL `localhost:3000/artistregister`. The page title is "Castle-Art". The navigation bar includes links: Home, Categories, Handicrafts, Artist at Home, Bulk Orders, Login, Artist Login, About Us, and Contact Us. The main heading is "Registration of Artist". The form fields are:

- Artist First Name (text input)
- Artist Last Name (text input)
- Email (text input)
- Mobile Number (text input)
- Gender (radio buttons: Male, Female, Other)
- Artist Bio (text input)
- Price (text input)
- Availability (text input)
- Status (text input)
- Address (text input, placeholder: Address(House No, Building, Street, Area))
- City (text input, placeholder: City/District)
- State (text input)
- Pin Code (text input, placeholder: Enter Pin Code)
- Username (text input, value: admin)
- Password (text input, value: admin)

A blue "Register" button is at the bottom of the form. Below the form, a footer bar says "All Rights are Reserved". The Windows taskbar at the bottom shows the time as 10:44 PM on 14-04-2022.

7.5 Artist List

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/artistservice'. The page title is 'Castle-Art'. Below the title is a dark navigation bar with links: Home, Categories, Handicrafts, Artist at Home, Bulk-Orders, Login, Artist Login, About Us, and Contact Us. The main heading is 'Artist List'. Below this is a table with the following data:

Name	Artist Bio	Email	Phone No	Price	Availability	For Booking
Ruturaj Vitekar	Painter	ruturajvitekar0524@gmail.com	8007608424	10000		Book Now

Below the table is a light gray footer bar with the text 'All Rights are Reserved'. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, along with system tray information including temperature (27°C), time (10:15 PM), and date (14-04-2022).

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.

