

Project Name: CastleArt Branch PG-  
DAC Sep-2021

Documentation On

**“CastleArt”**  
PG-DAC September 2022

**Guided By:**

Submitted By :

**Group No: 11**

- Dipak Kalekar 210943120037
- Prasad Pisal 210943120072
- Ruturaj Vitekar 210943120083
- Shubham Dighe 21094312009

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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.

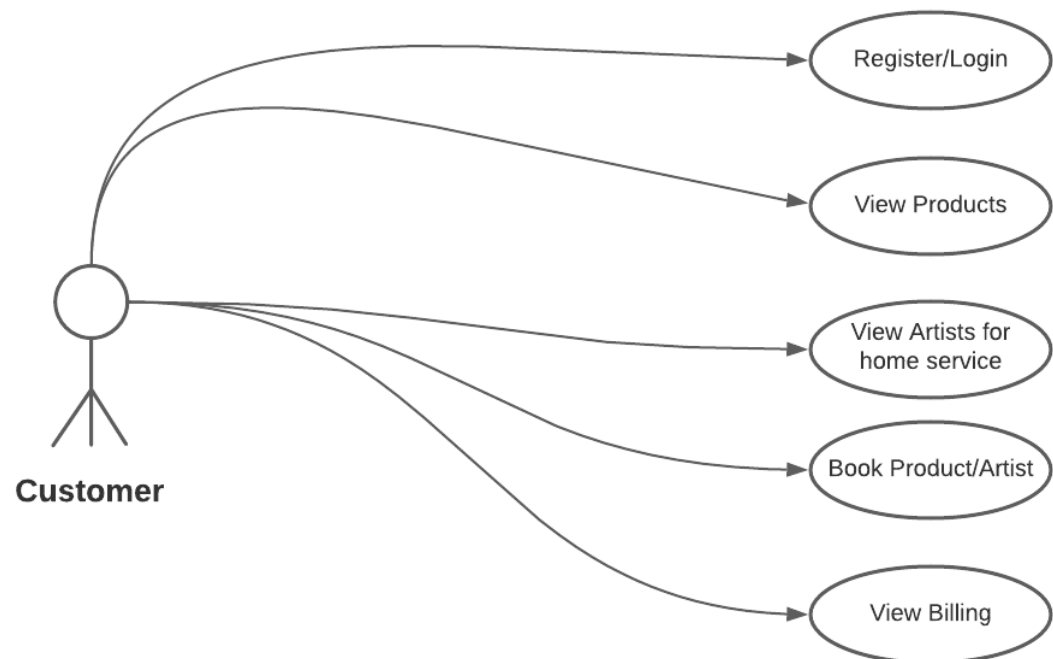
#### **4. Non-Functional Requirement:**

- 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:

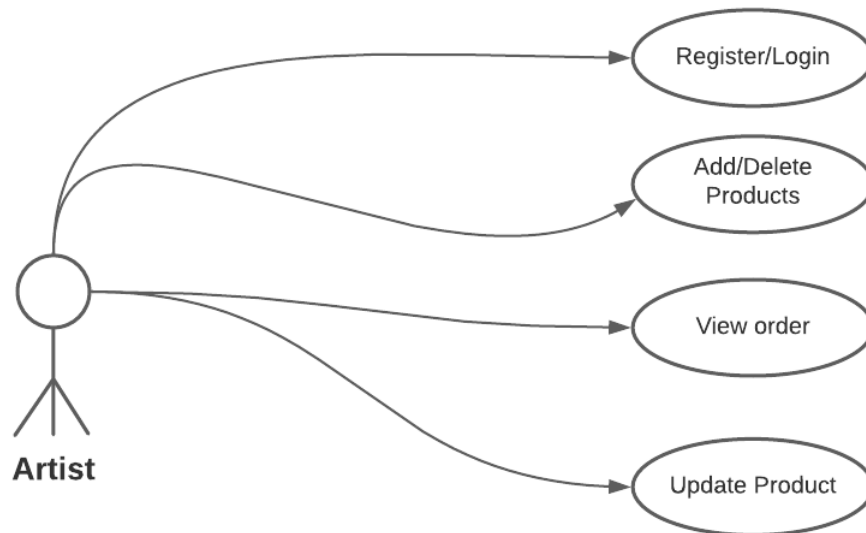
#### ➤ Customer:



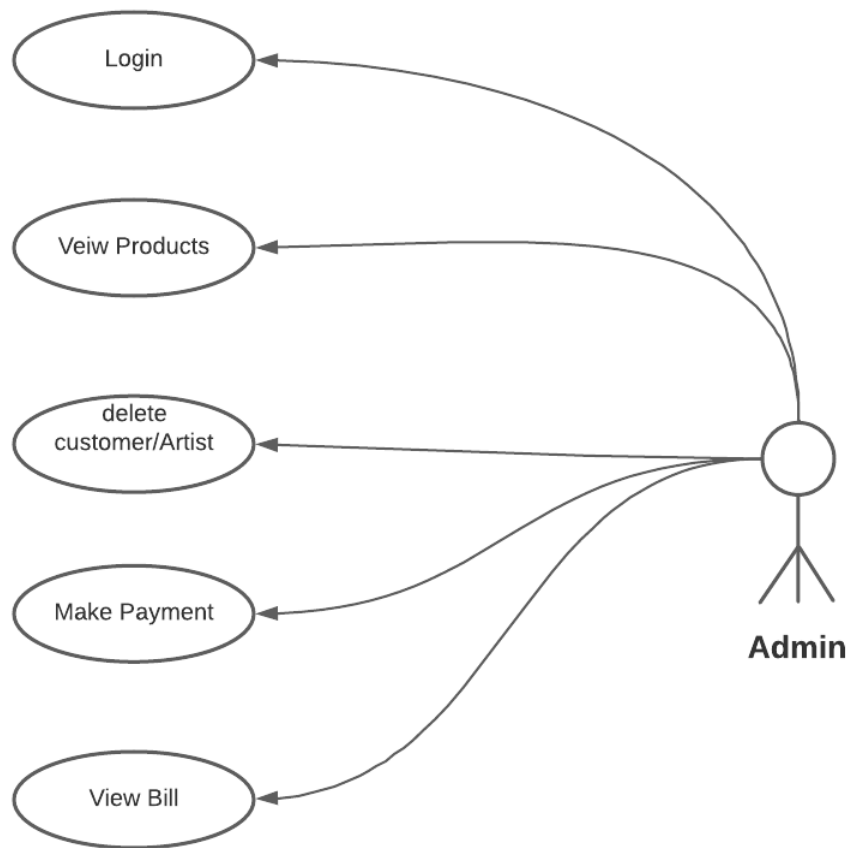
**Fig 1: Use-Case Diagram for Customer**



➤ **Artist:**

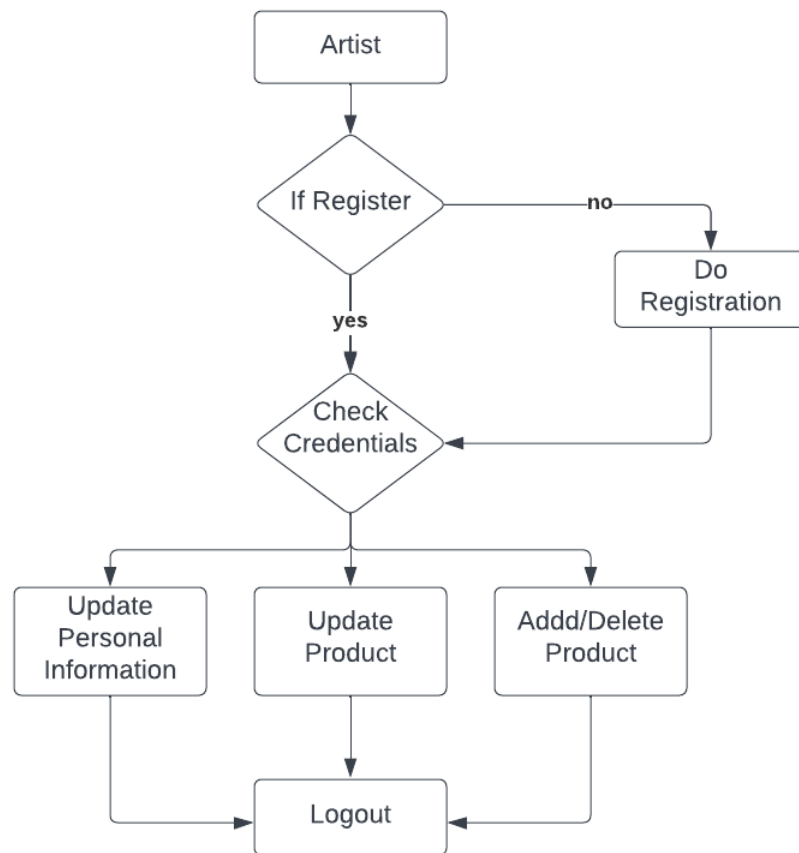


**Fig 2: Use-Case Diagram for Artist**

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

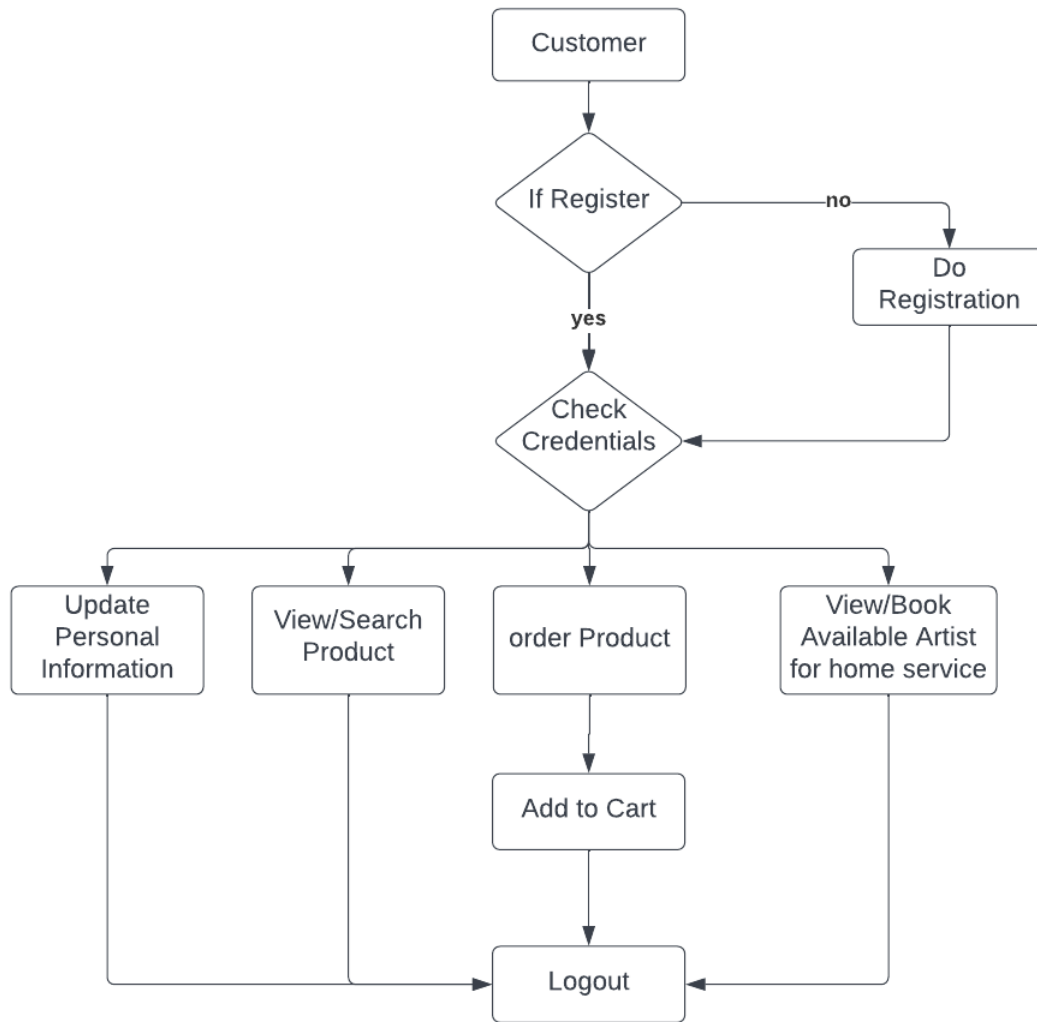
## 5.2 Activity Diagram:

### ➤ Activity Diagram for Artist:



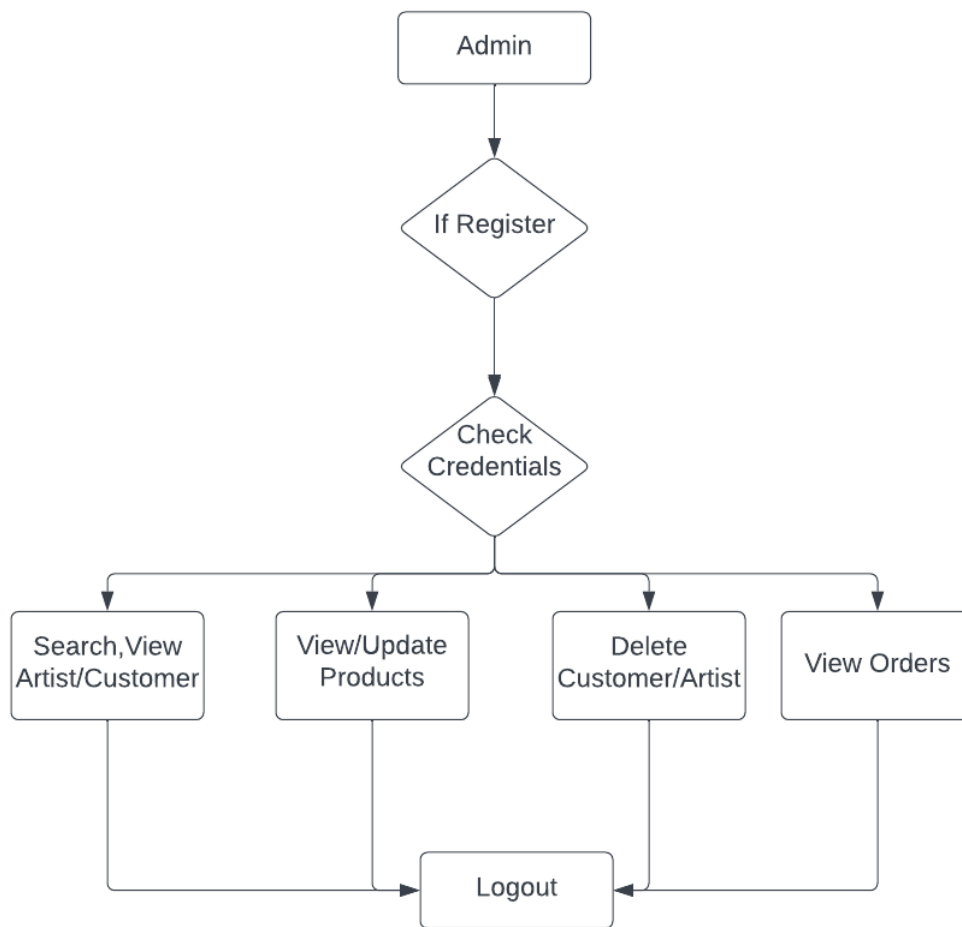
**Fig 4: Activity Diagram for Artist**

➤ Activity Diagram for Customer:



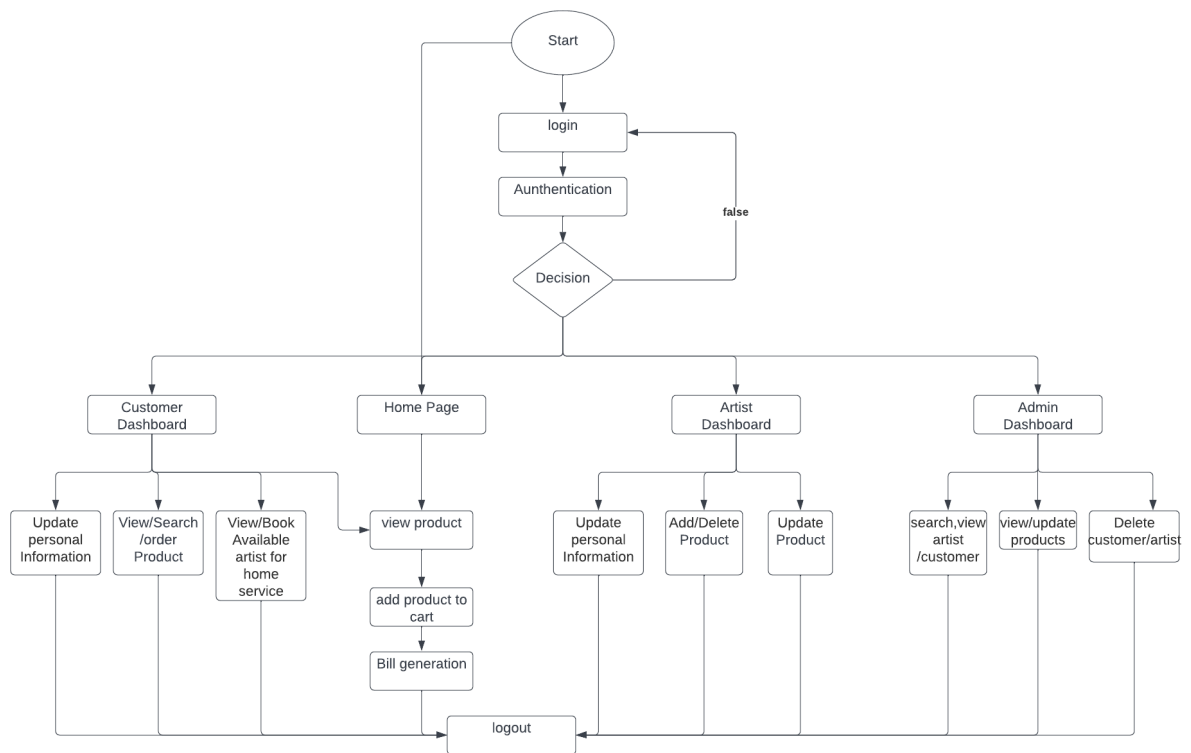
**Fig 5: Activity Diagram for Customer**

➤ Activity Diagram for Admin



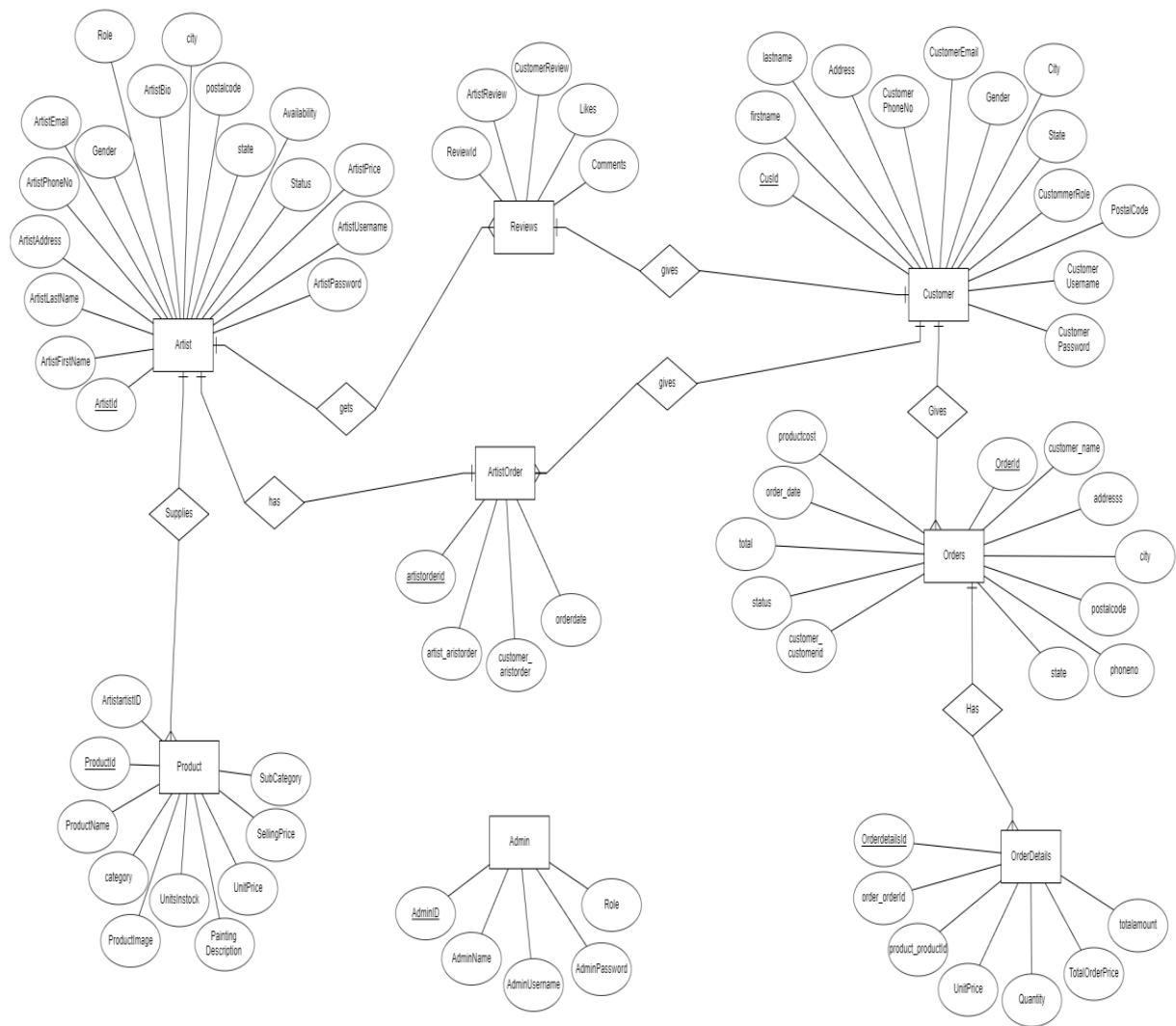
**Fig 6: Activity Diagram for Admin**

## ➤ Entire Activity Diagram



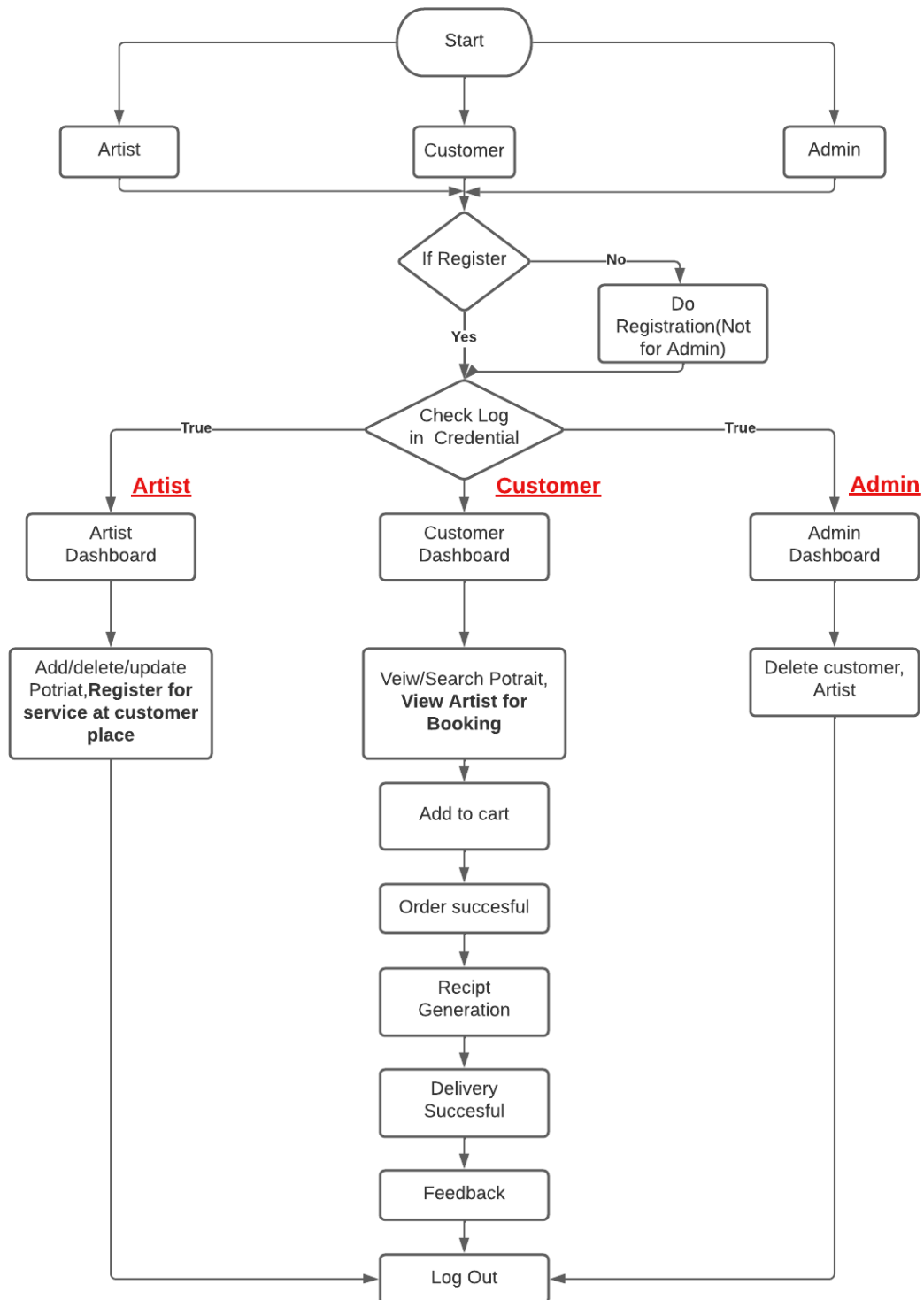
**Fig 7: Entire Activity Diagram**

### 5.3 Entity Relation Diagram:



**Fig 8: Entity Relation Diagram**

### 5.4 Flow Chart:

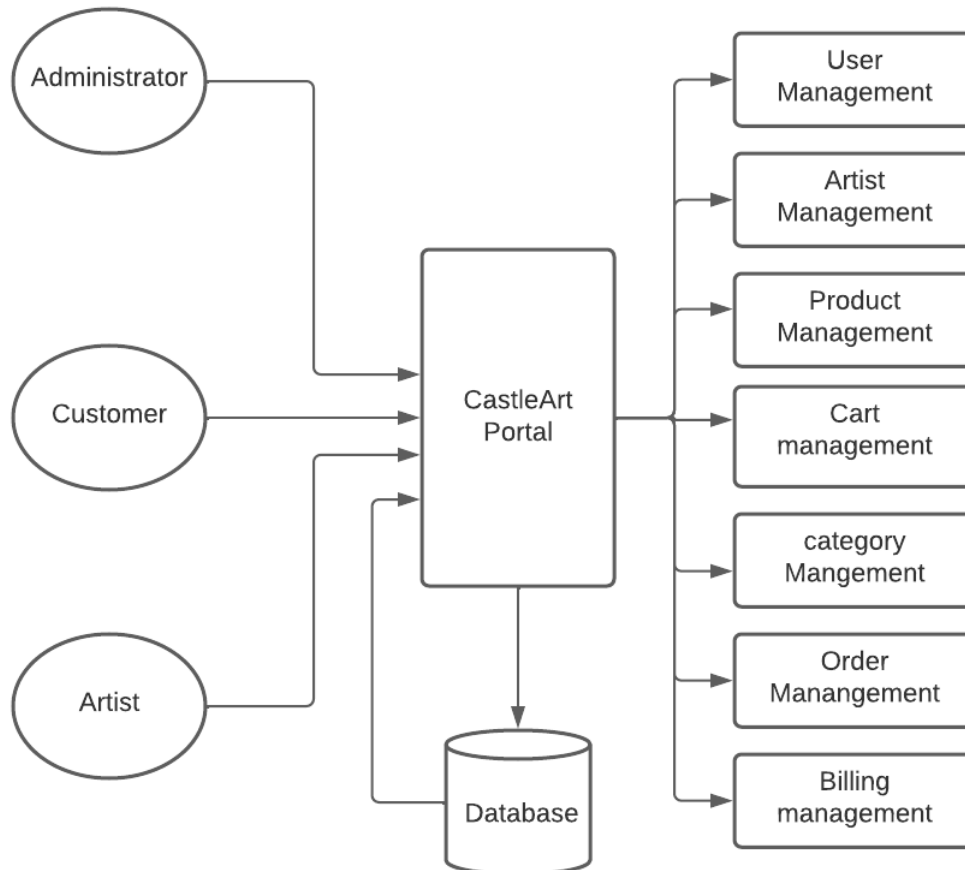


**Fig 9: Flow Chart**



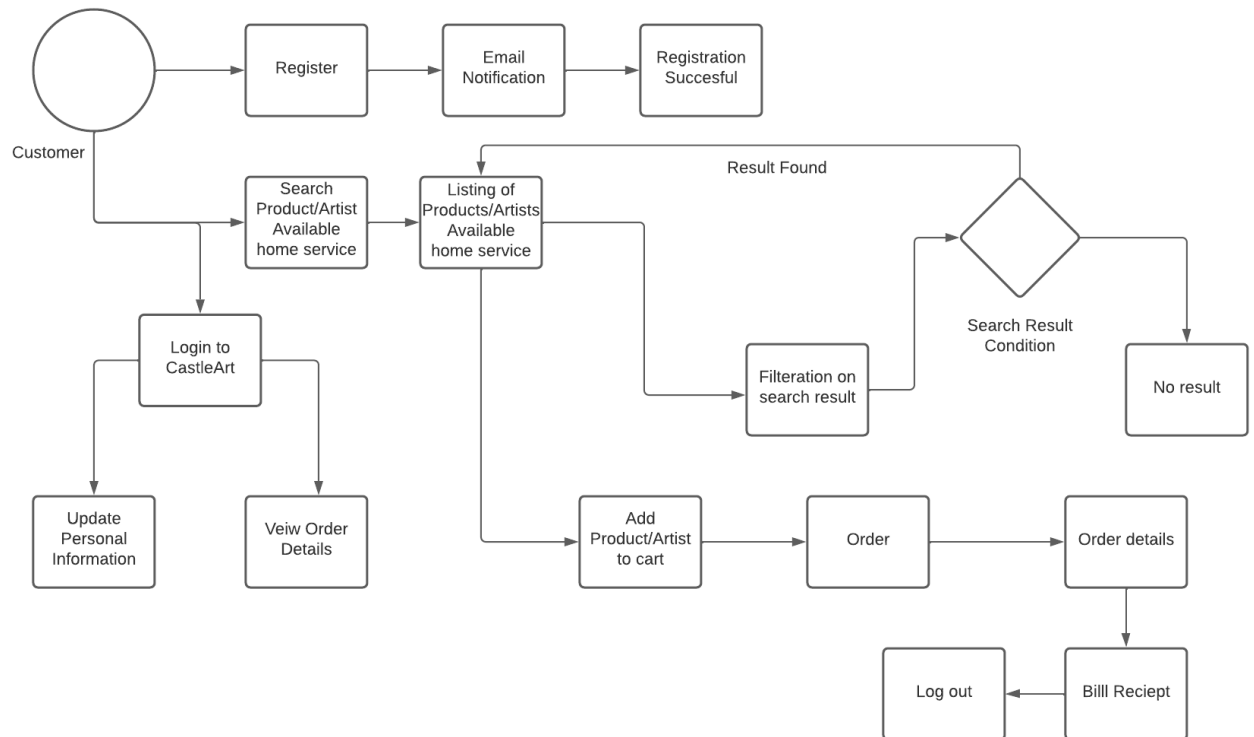
## 5.5 Data Flow Diagram:

### ➤ Level 0 Data Flow Diagram:



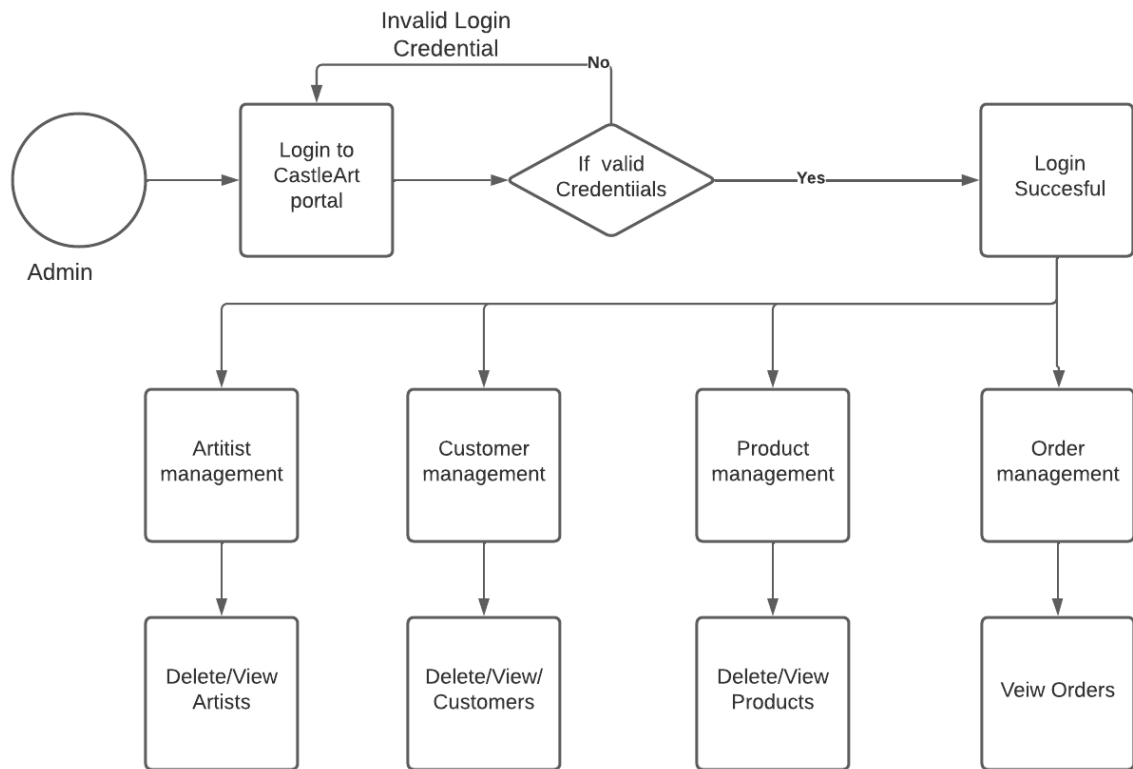
**Fig 10: Data Flow Diagram Level 0**

➤ **Level 1 Data Flow Diagram:**



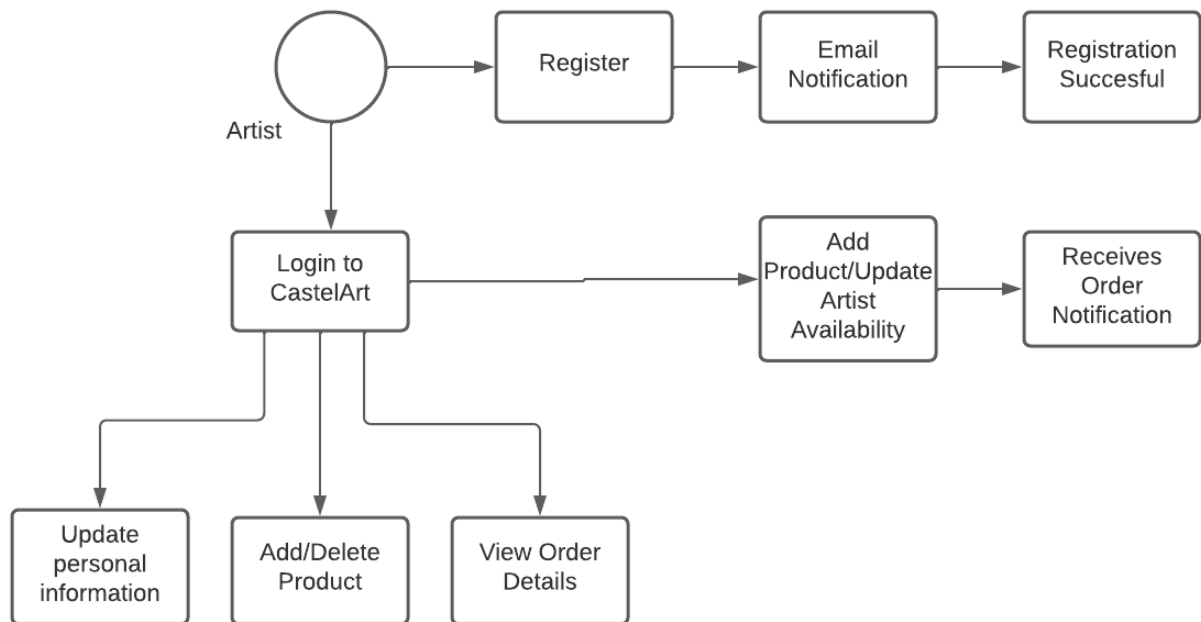
**Fig 11: Data Flow Diagram Level 1**

➤ **Level 2 Data Flow Diagram:**



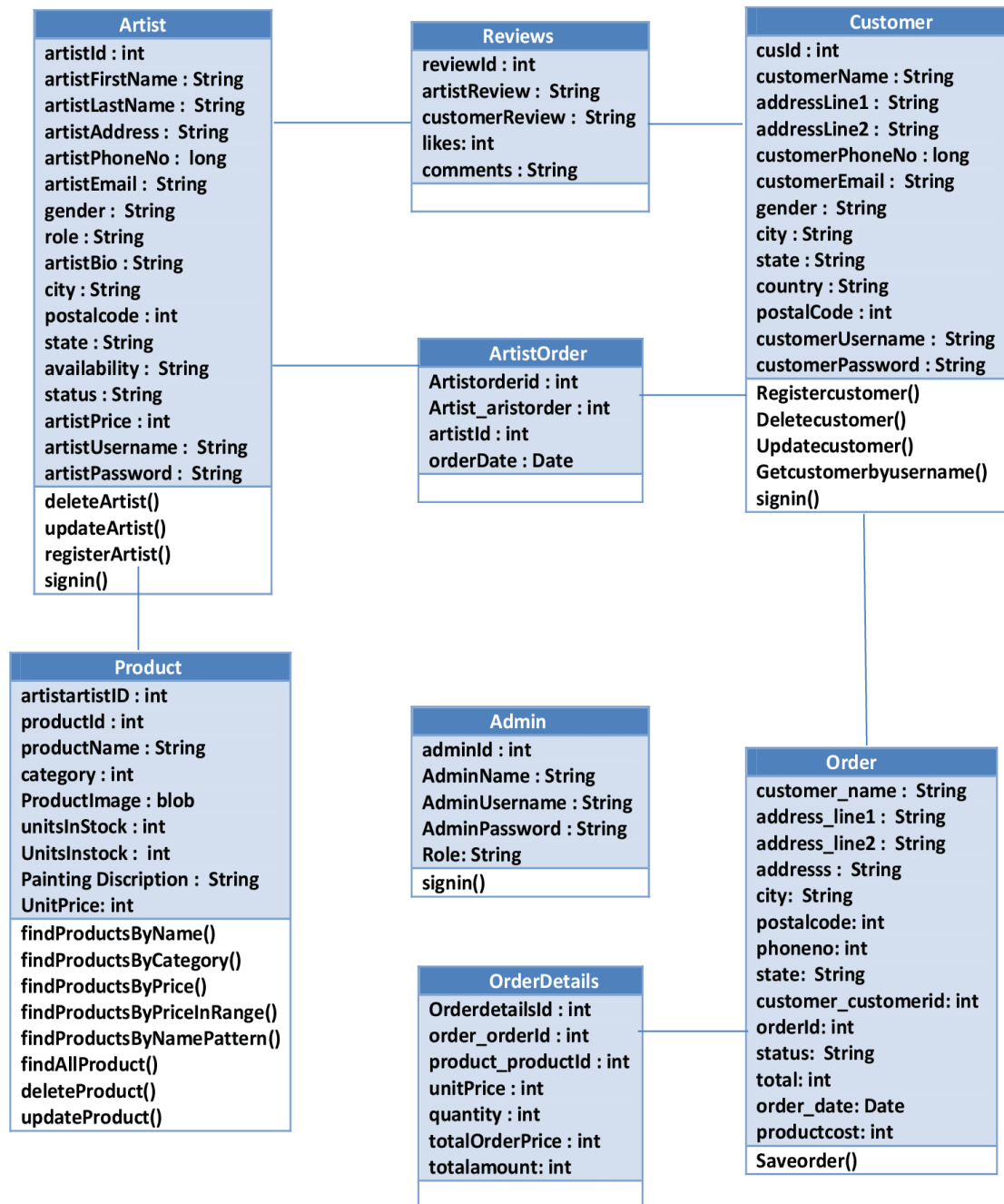
**Fig 12: Data Flow Diagram Level 2**

➤ **Level 3 Data Flow Diagram:**



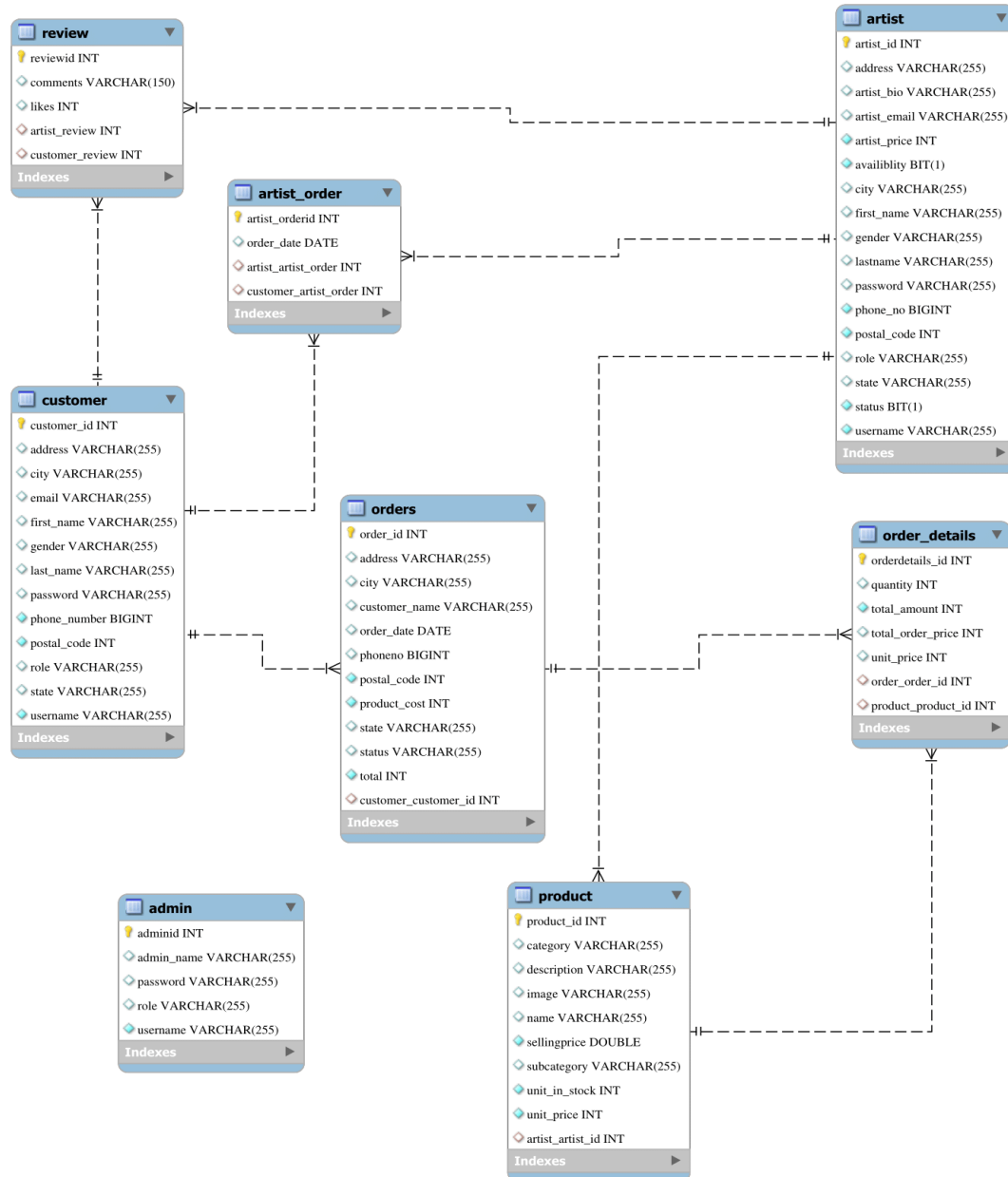
**Fig 13: Data Flow Diagram Level 3**

## 5.6 Class Diagram:



**Fig 14 Class Diagram**

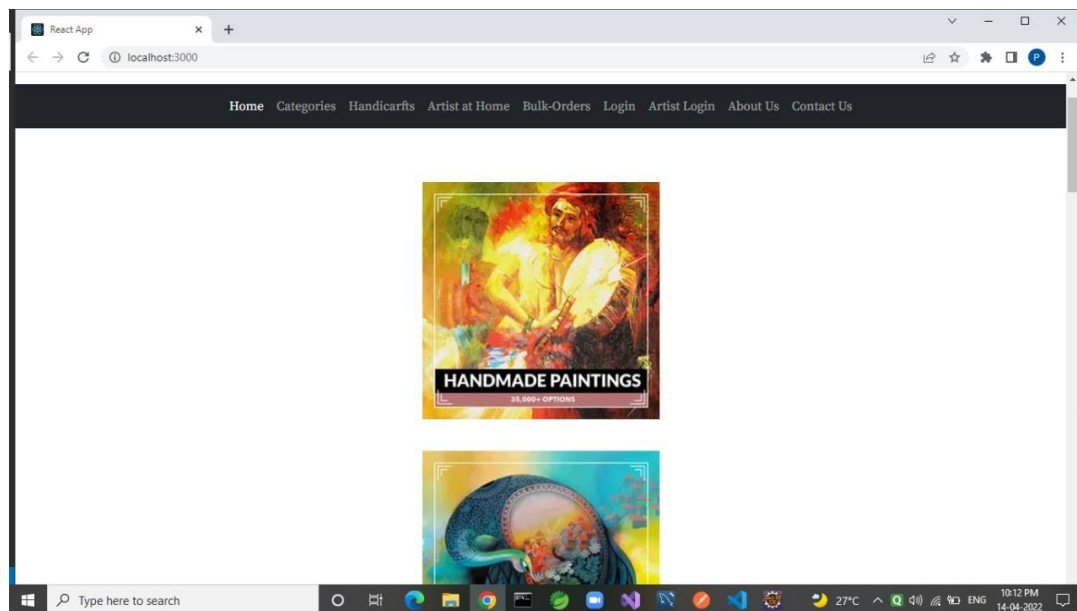
## 6. Database Design:



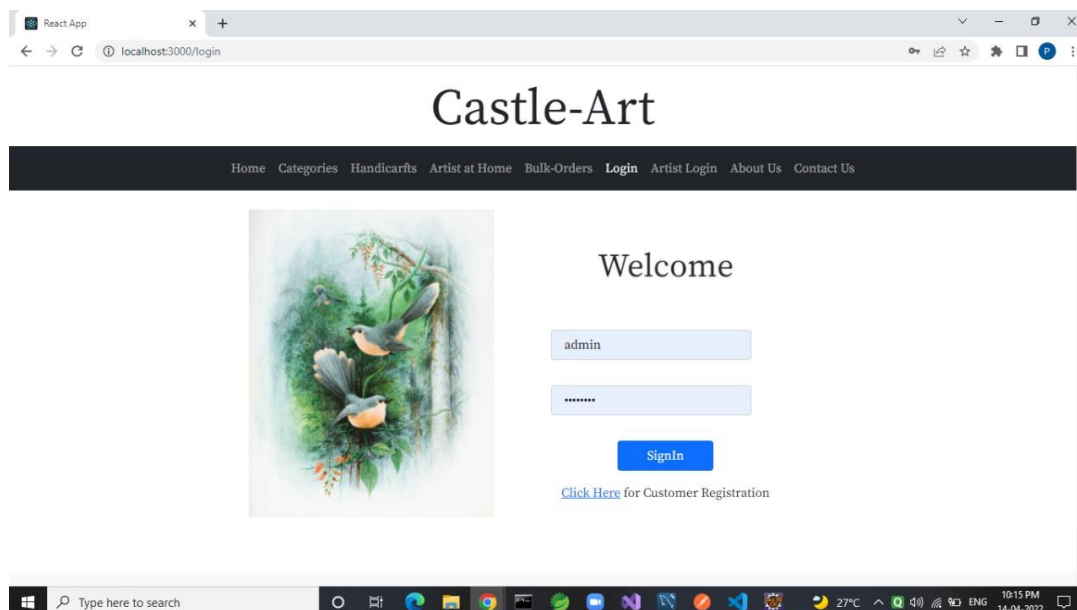
**Fig 15 Database Design Diagram**

## 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 (password input, placeholder: password)

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 (password input, placeholder: password)

A blue "Register" button is at the bottom of the form. Below the form, a footer bar contains the text "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 URL `localhost:3000/artistservice`. 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 "Artist List". Below it is a table with the following data:

Name	Artist Bio	Email	Phone No	Price	Availablability	For Booking
Ruturaj Vitekar	Painter	ruturajvitekar0524@gmail.com	8007608424	10000		<a href="#">Book Now</a>

Below the table, a footer message states: "All Rights are Reserved". The Windows taskbar at the bottom shows the search bar, task view, and various application icons, along with system information: 27°C, 10:15 PM, 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.

