



Daffodil
International
University

Restaurant Offer Hub





Software Requirements Specification

For

Restaurant Offer Hub (ROH)

Version 7.0 (Approved)

SWE332-Software Engineering Project-II (Web Programming)

Submitted To:
Asif Khan Shakir
Senior Lecturer

Prepared by
Ibne Sayad 172-35-2115
Md. Tanvir Sadik Raj 171-35-2111

Department of Software Engineering
Daffodil International University

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Chapter 1

Introduction



1.1 Background

“Restaurant Offer Hub” is a new comer system to our daily life. We see restaurant business and also spend quality time in a restaurant, both of these are a hot trend in our region. But we see that, both of these actors facing kind of the same problem. Restaurants are not getting the targeted customer as well as people are getting hassled to choose their desired restaurant where they can go. On the other hand, we the people as a consumer are mad of offers. When we see an offer for our desired thing then it's a heavenly feeling for us. In this case, sometimes we see some food offers from the restaurants through social media but that's not all that we see and that's not enough information also. Besides that, all the information is not well arranged. Sometimes we see some posts in our timeline and sometimes we search for a restaurant to see their offers. Restaurants are also suffering to reach their marketing offer to all the customers. Study shows that they can reach maximum 40-50% people by posting on social media. Although social media's goals are also different.

This system will aim to overcome these complexities and create a sustainable relationship between the consumer and the restaurant. This system will especially be created to post the offers as a restaurant and view those offers as a consumer and grab it. Besides that, this system will provide some essential and needy features also which will make daily life easier.

1.2 Objectives

“Restaurant Offer Hub” is going to be a web-based software project which will be a wonderful solution for the food-loving people, to keep themselves up to date with the latest & trending offers of restaurants, especially in their area. As we all know nowadays people are getting more & more digitalized. There are a huge number of people who want to spend quality time with their family & friends in the restaurant to eat & also to enjoy the time. Sometimes, they are aware that, it's very expensive to hang out in the restaurant. We used to see that, many restaurants are giving different types of offers on different occasions and also for many other reasons. Some of the time, some restaurant management team is publishing these offers on Facebook. But a lot number of people who don't even know the names of those restaurants and don't even get the notifications if they post those offers. There isn't any specific place or an organized place where all these different types of offers are available assigned by the restaurants. So, our main target will be to provide these facilities to all the general users of food lovers. Besides that, we will provide some essential special features also. Our system will have different types of users. The user who isn't registered will not be able to see all the given offers by the restaurants.

1.3 Scope

"Restaurant Offer Hub" is completely a new system that will mainly focus on publishing different types of offers which will be published by the restaurants. Generally, some of those offers are available on social media but they are not organized properly. Our target will be to organize this offer on a single platform. Not only that, people can select specific restaurants to reserve a specific number of tables. Our motto for this system is- **“One Site-All Restaurants- All offers”**. If a certain user is a regular customer for a specific restaurant that restaurant can give a special



coupon or badge to that customer. Which they can use to avail of other facilities in that restaurant. People will no longer face any hassle to reserve tables or to avail offer. Our main and most bold requirements are to connect general users to the restaurants for a better experience. The restaurants will financially get a huge benefit if they shift to this system. Other people who are thinking of entering into restaurant business will get a huge boost because if they will be able to publish latest offers & people are certain to avail it then both restaurants and users will be benefited from this system.

1.4 Assumptions and Constraints

Currently, our primary target is to reach different restaurants in Dhaka because people who are maintaining these restaurants are advancing as the digital world is advancing day by day. We hope that they will very easily able to use our system. Also, the people in our country are advancing very fast with digitalization. So, they will accept using our system on their own. Many people are already using different social media to get some of these facilities. It'll be difficult for us to reach these people. But we are positive that, when we can show them our advance and essential facilities, they will surely accept our system.

1.5 Dependencies and Risks

"Restaurant Offer Hub" is the latest system that is providing these facilities. There isn't any system existing like this one. That's why as a new experience, people will firstly not know about this system feature and its facilities. It's very hard to shift people from a certain platform to another. Currently, many social media platforms are providing some of these services but they are not organized enough and the information is not available properly. Our main risk is to shift general people to our system. If we can reach to the general people and share with them that we are providing this kind of essential, time-saving & chic services then we are sure that people will enter and get used to our system and of course will be benefited for sure. overall, that's our main risk is to make people used to with our system and its facilities.



Chapter 2

Feasibility study & Estimation



2.1 Feasibility Analysis

The document of Restaurant Offer Hub (ROH) will also provide some feasibility. These will enhance the system and will give more liveness to the system. It will also ensure that we can develop this project successfully. Here, we will also analyze some of the tools & techniques which will be used to develop this project.

In our system, we will be looking for all the possible feasibility to ensure that we can focus on the economical, technical, operational & also legal feasibilities.

2.2 Technical Feasibility

Technical feasibility centers on the existing manual system of the test management process and to what extent it can support the system. According to the feasibility analysis procedure, the technical feasibility of the system is analyzed and the technical requirements such as software facilities, procedures, inputs are identified. It is also one of the important phases of the system development activities. The system offers greater levels of user-friendliness combined with greater processing speed. Besides, we are promised to give an understandable user manual which will help the users, restaurants, as well as the admin to cope up with the system effortlessly.

2.3 Economical feasibility

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis or CBA the procedure is to determine the benefit and saving that is expected from a system and compare them with costs, decisions are made to design and implement the system. This part of the feasibility study gives users the economic justification for this system. This is a unique input to our subcontinent. A simple economic analysis that gives the actual comparison of costs and benefits is much more meaningful in such cases.

In the system, the users are most satisfied with economic feasibility. Because just only with the one site they can get all. The restaurant can achieve its marketing also the user can get their financial discount. So, there will be no more time waste there will be no more money to lose.

2.4 Legal Feasibility

Our main purpose for this project development is to provide services to the general people as well as to the restaurant entrepreneurs. In order to do that, we have to follow all the rules & regulations of our country also have to maintain some ethics so that we don't go against any of these rules.



We need to publish this project legally to serve the users. We have to get all the legal license in order to provide service to anyone.

2.5 Operational feasibility

It's good news to us that the restaurant business and hang out in the restaurant both of these are the hot trend in today's world. Besides that, people of this generation are getting digitalized day by day. With the help of a smart & digital system, they are so much smarter than before. So, this kind of solution will be a huge breakthrough for them. With the help of this system, the restaurants can achieve their marketing, on the other hand, the user can able to get service at the best discount rate. So, it's going to be a magnificent solution for today's circumstances.

2.6 Scheduling Feasibility

The project Restaurant Offer Hub (ROH) has been scheduled for four months to complete the initial versions. The project has been scheduled in such a way that from requirements gathering to implementation, testing to deployment maximum possible time has been assigned. Time estimation is provided in the Gantt chart below.

2.7 Cost Estimation

Items	Working hrs.	Cost/hrs.	Subtotals	Totals	% Of Totals
1. Project Team	x	x	x	x	59.73 %
Project Manager	1370 h	BDT 625	BDT 8,56,250	BDT 14,51,170	
Team Members	5560 h	BDT 107	BDT 5,94,920		
2. Hardware	x	x	x	x	6.17 %
PC	x	x	BDT 1,20,000	BDT 1,50,000	
Router	x	x	BDT 2,000		
Connectivity & Others	x	x	BDT 10,000		
3. Software	x	x	x	x	3.74 %
Windows 10 Pro	x	x	BDT 52,500	BDT 90,816	
MS Office	x	x	BDT 5,500		
MySQL Server	x	x	BDT 16,500		
Design Tools	x	x	BDT 8,000		
Visual Paradigm Modeler	x	x	BDT 8,316		
4. Testing	280 h	BDT 107	BDT 59,920	BDT 59,920	2.47 %
5. Training & Support	5560 h	BDT 50	BDT 2,78,000	BDT 2,78,000	11.44 %
6. Residence & Food	5560 h	BDT 71	BDT 3,39,760	BDT 3,39,760	13.98 %
7. Others	x	x	x	BDT 60,000	2.47 %
Total Project Cost				BDT 24,29,666	100%

Figure-01: Cost Estimation

2.8 Time Estimation

teamgantt
Created with Free Edition

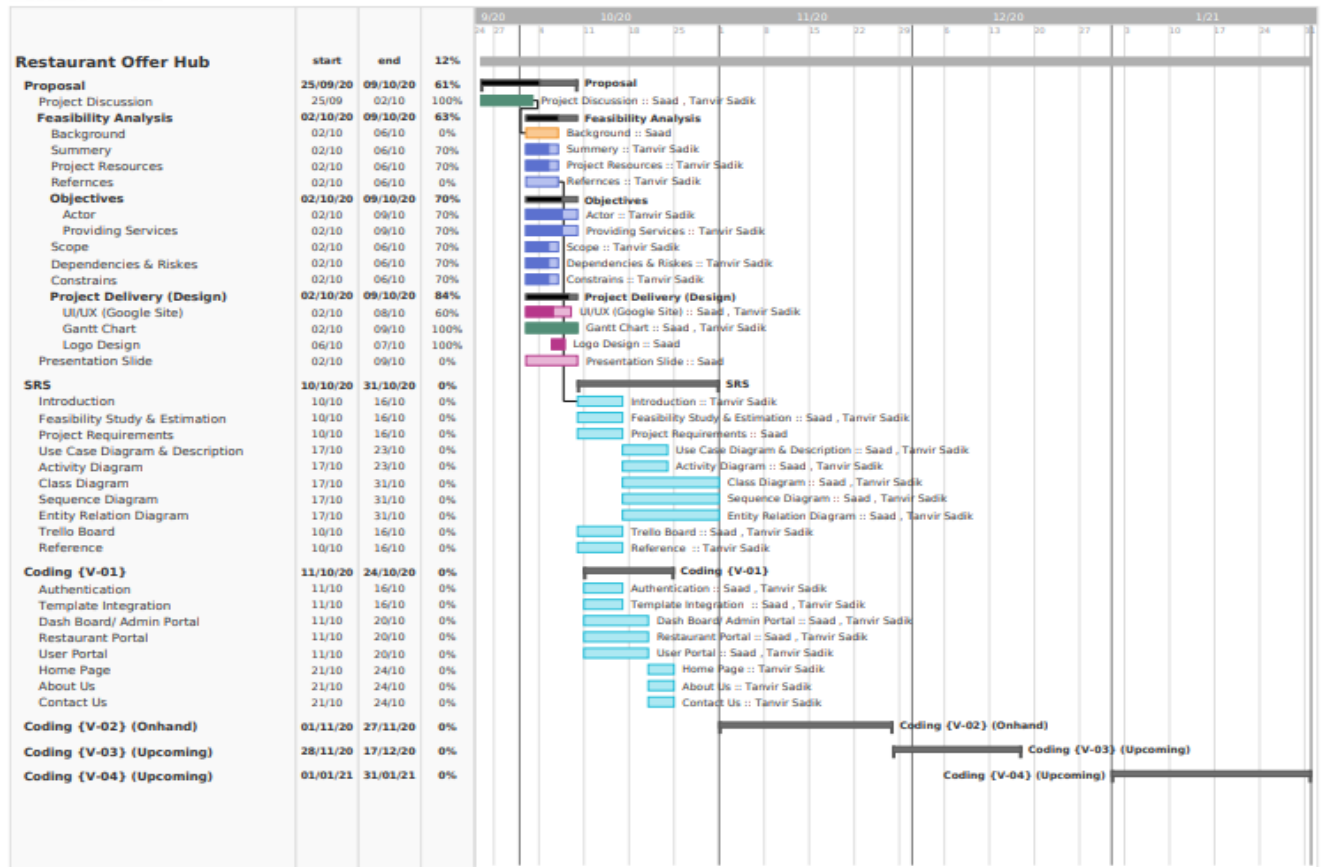


Figure-02: Gantt Chart



Chapter 3

Project Requirements



3.1 Project Requirement

The basic requirement of this project is to build an interactive communication between Restaurant owner and the customer. Though the project can't be done without facing this functional requirement.

3.2 Stakeholders

Admin, User, Restaurant

3.3 Functional Requirement for User

Prerequisite: User signed in for some requirements below

Requirement ID	R1.01.01
Title	Do registration
Description	This action is done to create an account.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.02
Title	Do Login & Logout
Description	This event is for login in the main system.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.03
Title	View Profile
Description	This action is done to view the profile.
Stakeholder	User, Restaurant
Priority	Medium



Requirement ID	R1.01.04
Title	Edit Profile
Description	This action is done to edit the profile.
Stakeholder	User, Restaurant
Priority	Medium

Requirement ID	R1.01.05
Title	View Offers
Description	This action is done to view the offers.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.06
Title	Select Location
Description	This action is done to select a particular location.
Stakeholder	User, Restaurant
Priority	High



Requirement ID	R1.01.07
Title	Create Chatroom
Description	This action is done to create a chatroom.
Stakeholder	User
Priority	High

Requirement ID	R1.01.08
Title	Go to Chat Room
Description	This action is done to view the conversation box.
Stakeholder	User
Priority	High

Requirement ID	R1.01.09
Title	Do Chat
Description	This action is done to start conversation.
Stakeholder	User
Priority	High



Requirement ID	R1.01.10
Title	Follow a Restaurant
Description	This action is done to follow a restaurant.
Stakeholder	User
Priority	Medium

Requirement ID	R1.01.11
Title	Get Notifications
Description	This action is done to get notifications.
Stakeholder	User
Priority	Medium

Requirement ID	R1.01.12
Title	Do Order
Description	This action is done to order foods.
Stakeholder	User
Priority	High



Requirement ID	R1.01.13
Title	Do payment
Description	This action is done to make a payment.
Stakeholder	User
Priority	High

Requirement ID	R1.01.14
Title	Search a Restaurant
Description	This action is done to search a particular restaurant.
Stakeholder	User
Priority	High

Requirement ID	R1.01.15
Title	Compare Offer
Description	This action is done to compare offer with others.
Stakeholder	User
Priority	High



Requirement ID	R1.01.16
Title	Get Membership Badge
Description	This action is done to get membership badge from restaurants.
Stakeholder	User
Priority	High

Requirement ID	R1.01.17
Title	View Photo Gallery
Description	This action is done to view the photo gallery.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.18
Title	Upload Photo
Description	This action is done to upload photos to the gallery.
Stakeholder	User, Restaurant
Priority	High



Requirement ID	R1.01.19
Title	Post Video
Description	This action is done to post videos.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.20
Title	Stream Video
Description	This action is done to view the videos.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R1.01.21
Title	Give Review
Description	This action is done to provide review to the restaurants.
Stakeholder	User
Priority	High



3.4 Functional Requirement for Restaurant

Prerequisite: Restaurant signed in for some requirements below

Requirement ID	R2.02.01
Title	Do registration
Description	This action is done to create an account.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R2.02.02
Title	Do Login
Description	This action is done to sign in into an account.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R2.02.03
Title	View Profile
Description	This action is done to view profile of an account.
Stakeholder	User, Restaurant
Priority	Medium



Requirement ID	R2.02.04
Title	Edit Profile
Description	This action is done to edit profile of an account.
Stakeholder	User, Restaurant
Priority	High

Requirement ID	R2.02.05
Title	Select Offer Category
Description	This action is done to select a particular offer category.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.06
Title	Post Offer
Description	This action is done to post offers.
Stakeholder	Restaurant
Priority	High



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Requirement ID	R2.02.07
Title	Update Offer
Description	This action is done to update previous offer posts.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.08
Title	Delete Offer
Description	This action is done to delete previous offer posts.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.09
Title	Do Chat
Description	This action is done for chatting.
Stakeholder	Restaurant, User
Priority	High



Requirement ID	R2.02.10
Title	Receive Booking
Description	This action is done to receive a reservation.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.11
Title	Get Order
Description	This action is done take an order.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.12
Title	Get Payment
Description	This action is done receive a payment.
Stakeholder	Restaurant
Priority	High



Requirement ID	R2.02.13
Title	Provide Membership Badge
Description	This action is done to provide a special badge to the user.
Stakeholder	Restaurant
Priority	Medium

Requirement ID	R2.02.14
Title	View Photo gallery
Description	This action is done to view the photo gallery.
Stakeholder	Restaurant, User
Priority	Medium

Requirement ID	R2.02.15
Title	Upload Photo
Description	This action is done to upload photos to the gallery.
Stakeholder	Restaurant, User
Priority	Medium



Restaurant Offer Hub (ROH)

Requirement ID	R2.02.16
Title	Publish Ad
Description	This action is done to publish ad to the system.
Stakeholder	Restaurant
Priority	High

Requirement ID	R2.02.17
Title	See Review
Description	This action is done see the reviews.
Stakeholder	Restaurant
Priority	High

3.5 Functional Requirement for Admin

Prerequisite: Admin signed in for some requirements below

Requirement ID	R3.03.01
Title	Do Login
Description	This action is done to sign in into an account.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.02
Title	View Dash Board
Description	This action is done to view the dashboard.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.03
Title	View User List
Description	This action is done to view the registered user list.
Stakeholder	Admin
Priority	High



Requirement ID	R3.03.04
Title	View Restaurant List
Description	This action is done to view the registered restaurant list.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.05
Title	Block User
Description	This action is done to block a user.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.06
Title	Block Restaurant
Description	This action is done to block a restaurant.
Stakeholder	Admin
Priority	High



Requirement ID	R3.03.07
Title	View Messages
Description	This action is done to view messages.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.08
Title	Reply Message
Description	This action is done to reply a message.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.09
Title	View Gallery
Description	This action is done to view the gallery.
Stakeholder	Admin
Priority	Medium



Requirement ID	R3.03.10
Title	View Calendar
Description	This action is done to view the calendar.
Stakeholder	Admin
Priority	Medium

Requirement ID	R3.03.11
Title	View Comments
Description	This action is done to view comments.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.12
Title	View User Performance
Description	This action is done to view the performance of the user.
Stakeholder	Admin
Priority	High



Restaurant Offer Hub (ROH)

Requirement ID	R3.03.13
Title	View Restaurant Performance
Description	This action is done to view the performance of the restaurants.
Stakeholder	Admin
Priority	High

Requirement ID	R3.03.14
Title	Approve Ad
Description	This action is done to approve an ad.
Stakeholder	Admin
Priority	High

3.6 Functional Requirement for System

Prerequisite: System will go through these requirements to maintain the system

Requirement ID	R4.04.01
Title	Send Mail
Description	This action is done to send mail to the users.
Stakeholder	System
Priority	High

Requirement ID	R4.04.02
Title	Send Notification
Description	This action is done to send notification to the users.
Stakeholder	System
Priority	High

Requirement ID	R4.04.03
Title	Suggest Restaurant
Description	This action is done to suggest restaurants to the users.
Stakeholder	System
Priority	High



Requirement ID	R4.04.04
Title	Provide Comparison result
Description	This action is done to provide the comparison results.
Stakeholder	System
Priority	High

Requirement ID	R4.04.05
Title	Provide Membership Badge
Description	This action is done to provide membership badge to users.
Stakeholder	System
Priority	High

Requirement ID	R4.04.06
Title	Maintain Payment
Description	This action is done to manage the payment process.
Stakeholder	System
Priority	High



Chapter 4

Use case Diagram & Description

4.1 Use case for Restaurant

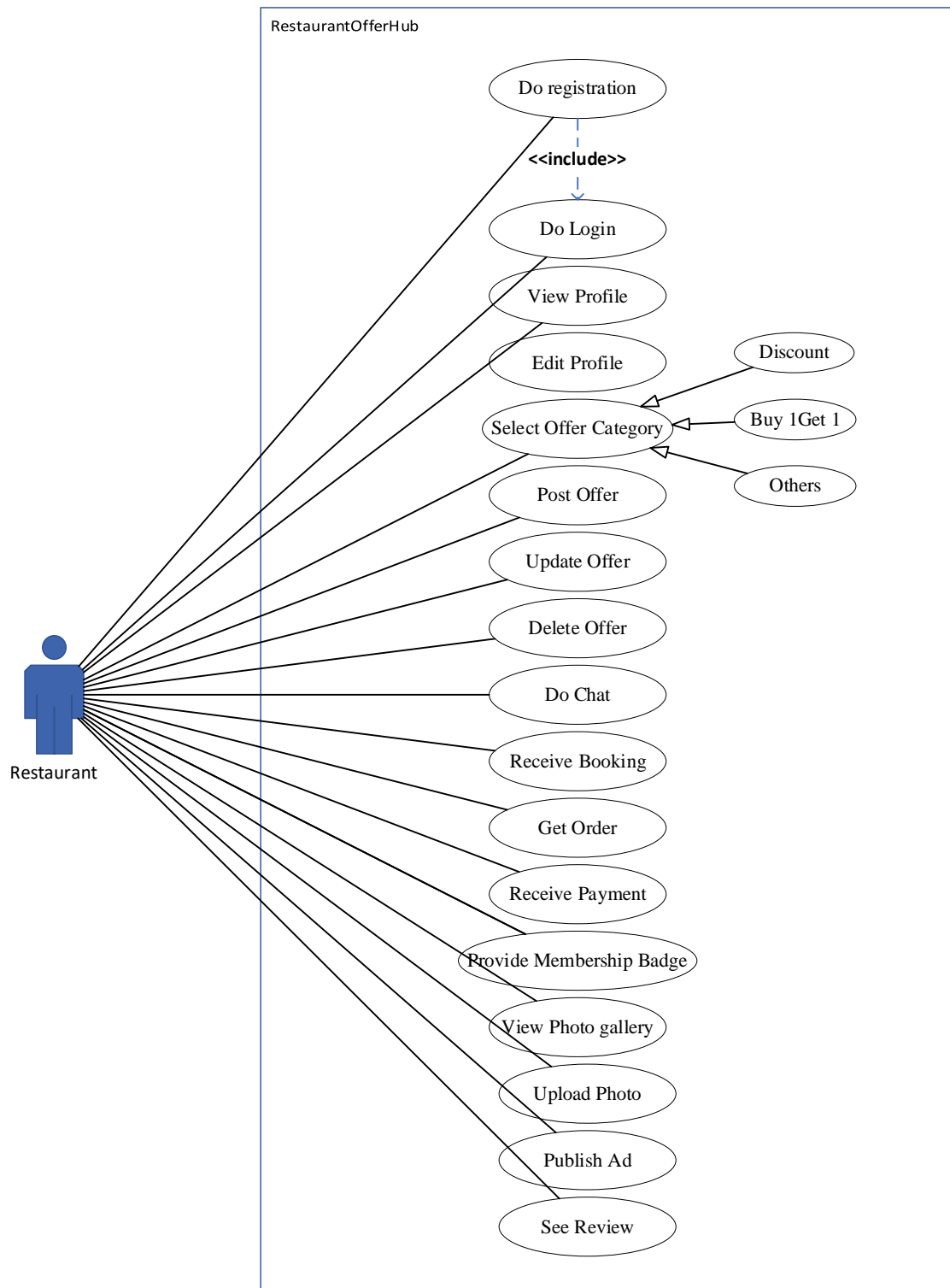


Figure-03: Use Case diagram for Restaurant

4.2 Use case for User

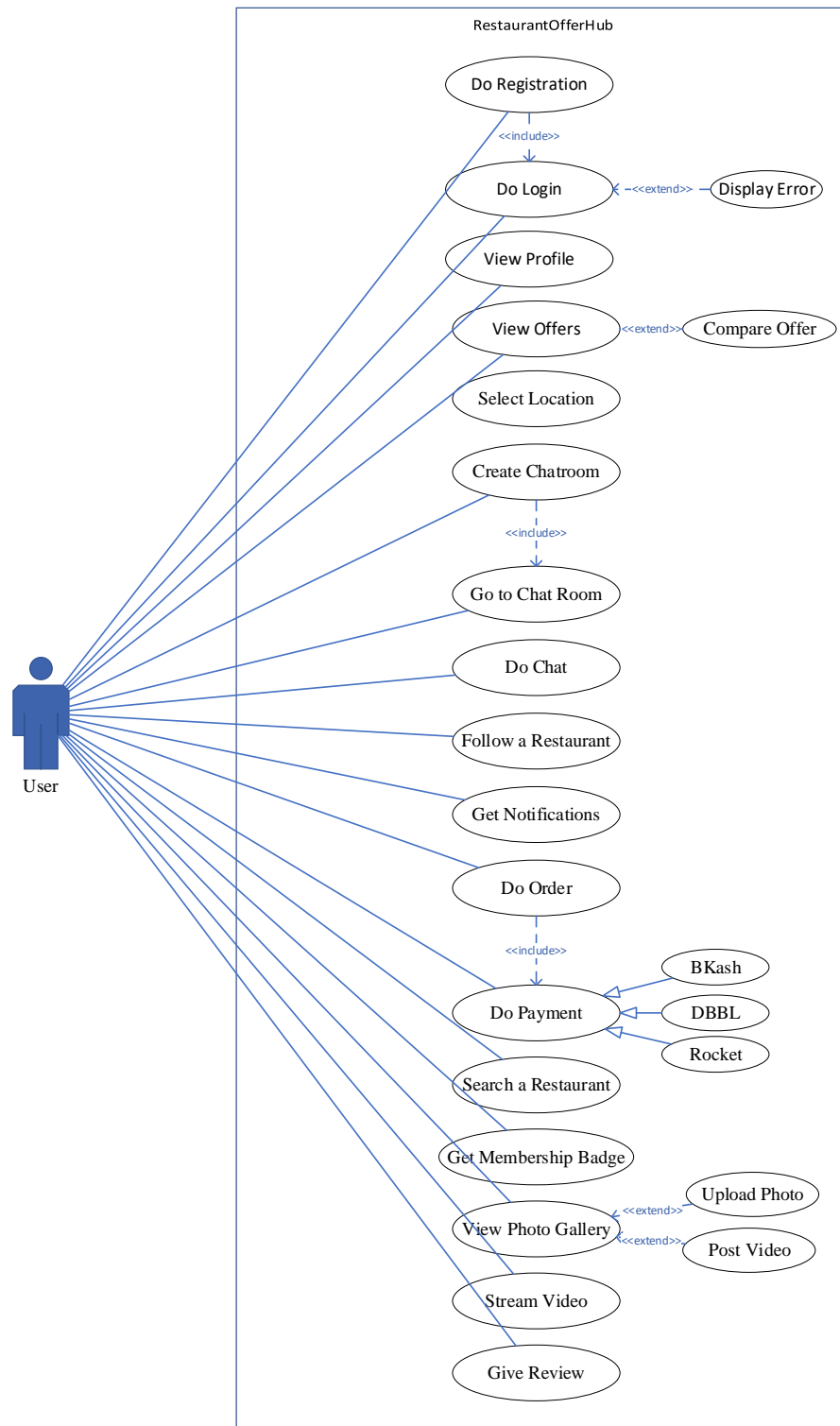


Figure-04: Use Case diagram for User

4.3 Use case for Admin

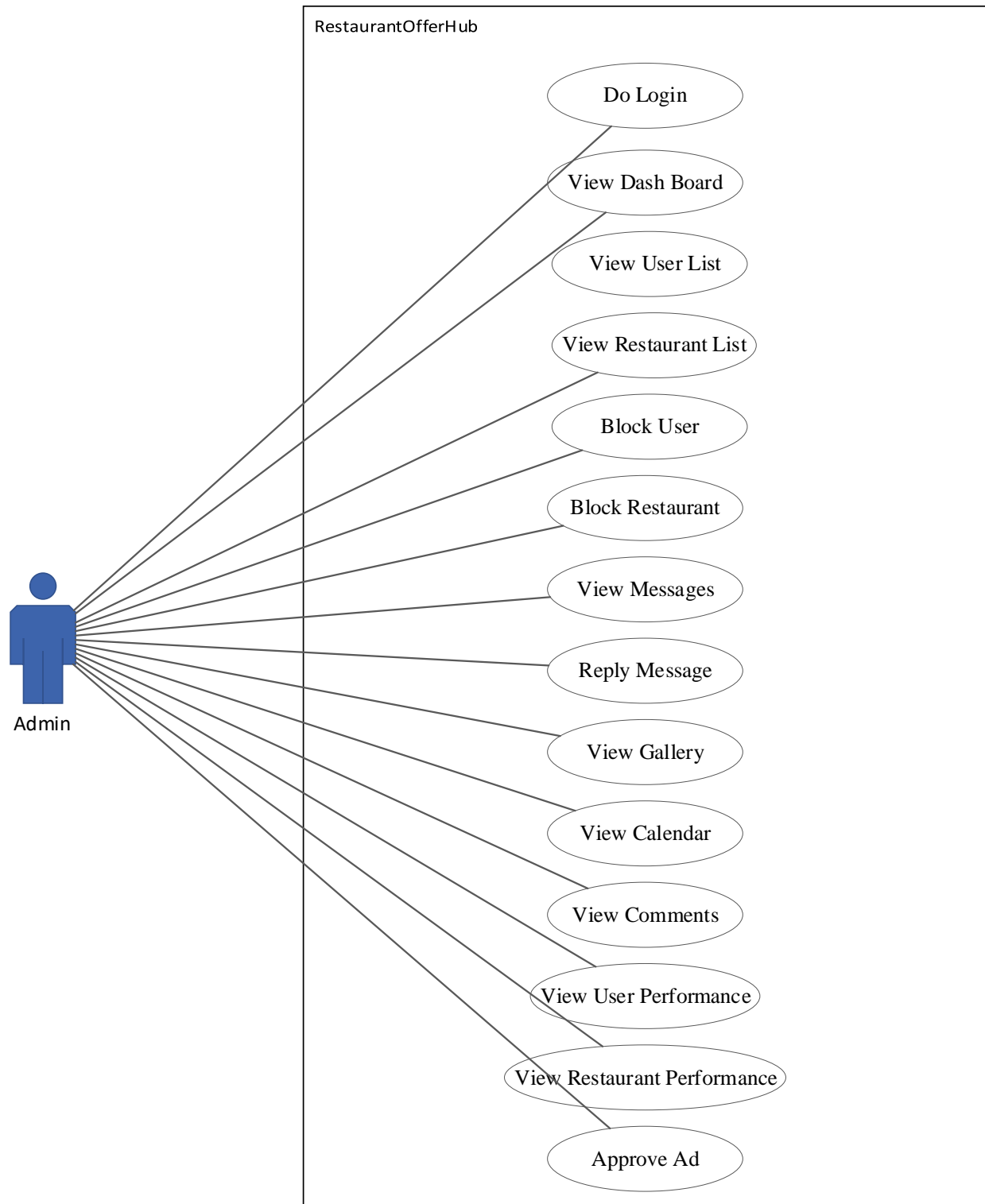


Figure-05: Use Case diagram for Admin

4.4 Use case for System

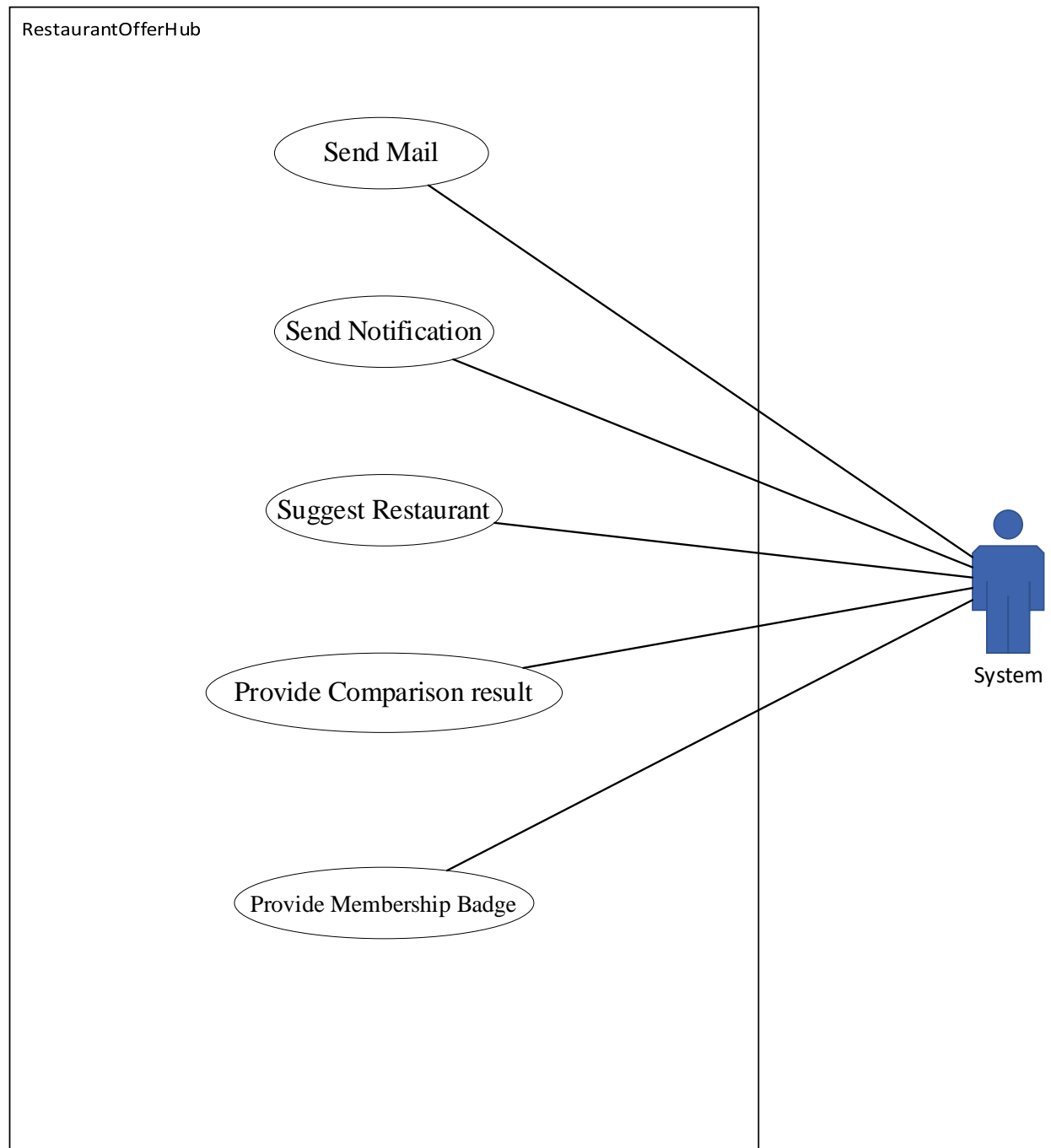


Figure-06: Use Case diagram for System



4.5 Use Case Description

Use case No:	01.01.03
Use case Name:	View Profile
Actor	User, Restaurant
Pre- Condition	User & Restaurant should register and visit the profile
Trigger	Click the “Profile” button
Description	Allowing User, Restaurant to the profiles
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Profile’ button➤ Visit profile
Post Condition	User, Restaurant can able to visit their profile
Functional requirement	View Profile

Use case No:	01.01.02
Use case Name:	Do Login
Actor	User, Restaurant, Admin
Pre- Condition	User should register an account
Trigger	Click the “Login” button
Description	Allowing User, Restaurant & Admin to enter into the system
Flow of Events	<ul style="list-style-type: none">➤ Click on Login button➤ Input username & password➤ Click on Login
Post Condition	User, Restaurant & Admin can able to use every functionality of the system
Functional requirement	Do Login



Use case No:	01.01.05
Use case Name:	View Offers
Actor	User
Pre- Condition	User should go to the main page of the system
Trigger	Click the “Edit Profile” button
Description	Allowing User, Restaurant to edit their Profile
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Edit Profile’ button➤ Edit your fields
Post Condition	User, Restaurant can able to see the offers
Functional requirement	View Offers

Use case No:	01.01.04
Use case Name:	Edit Profile
Actor	User, Restaurant
Pre- Condition	User & Restaurant should visit the profile first
Trigger	Click the “Edit Profile” button
Description	Allowing User, Restaurant to edit their Profile
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Edit Profile’ button➤ Edit your fields
Post Condition	User, Restaurant can able to edit their profile.
Functional requirement	Edit Profile



Use case No:	01.01.07
Use case Name:	Create Chatroom
Actor	User
Pre- Condition	User should go to Chatting functionality
Trigger	Click the “Create Chatroom” button
Description	Allowing User to create a chat room
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Create chatroom’ button➤ Start group chat
Post Condition	User can able to enter chatroom
Functional requirement	Create Chatroom

Use case No:	01.01.06
Use case Name:	Select Location
Actor	User, Restaurant
Pre- Condition	User should enter the system first
Trigger	Click the “Location” button
Description	Allowing User, Restaurant to input their location
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Select Location button➤ Enter your location
Post Condition	User, Restaurant can able to select their location
Functional requirement	Select Location



Use case No:	01.01.09
Use case Name:	Do Chat
Actor	User
Pre- Condition	User should go to chat functionality
Trigger	Click the “chat box” field
Description	Allowing User to start a conversation
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Chat’ field➤ Type a message
Post Condition	User can able to make a conversation
Functional requirement	Go to Chat Room

Use case No:	01.01.08
Use case Name:	Go to Chat Room
Actor	User
Pre- Condition	User should go to chat functionality
Trigger	Click the “Go to Chat Room” button
Description	Allowing User to start a conversation
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Chat’ button➤ Start a conversation
Post Condition	User can able to make a conversation
Functional requirement	Go to Chat Room



Use case No:	01.01.11
Use case Name:	Get Notification
Actor	User
Pre- Condition	User should active into the system
Trigger	Click the “Bell Icon”
Description	Allowing User to view the notification
Flow of Events	<ul style="list-style-type: none">➤ Click on bell icon➤ See the notifications
Post Condition	User can able to take a actions basis on a notification
Functional requirement	Get Notification

Use case No:	01.01.10
Use case Name:	Follow a Restaurant
Actor	User
Pre- Condition	User should view a restaurant
Trigger	Click the “Follow” button
Description	Allowing User to follow a restaurant
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Follow’ button➤ Follow that restaurant
Post Condition	User will get notification of that restaurant’s activity
Functional requirement	Follow a Restaurant



Use case No:	01.01.13
Use case Name:	Do Payment
Actor	User
Pre- Condition	User should order a food first
Trigger	Click the “Pay” button
Description	Allowing User to make a payment
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Pay’ field➤ Get the food
Post Condition	User can able to receive the food
Functional requirement	Do Payment

Use case No:	01.01.12
Use case Name:	Do Order
Actor	User
Pre- Condition	User should select a food first
Trigger	Click the “Order” button
Description	Allowing User to order a food
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Order’ field➤ Make a payment
Post Condition	User can able to make payment then
Functional requirement	Do order



Use case No:	01.01.15
Use case Name:	Compare Offer
Actor	User
Pre- Condition	User should select some offer
Trigger	Click the “Compare” button
Description	Allowing User to get a best offer
Flow of Events	<ul style="list-style-type: none">➤ Select some offers➤ Click on get best offer
Post Condition	User can able to a best outcome
Functional requirement	Compare Offer

Use case No:	01.01.14
Use case Name:	Search a Restaurant
Actor	User
Pre- Condition	User should search for a restaurant first
Trigger	Click the “Search Restaurant” field
Description	Allowing User to search for a restaurant
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Search a Restaurant’ field➤ Enter a restaurant name
Post Condition	User can able to find their desired restaurant
Functional requirement	Search a Restaurant



Use case No:	01.01.17
Use case Name:	View Photo Gallery
Actor	User, Restaurant
Pre- Condition	User, Restaurant should view the gallery
Trigger	Click the “Galley” button
Description	Allowing User, Restaurant to view gallery
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Gallery’ button➤ View The files
Post Condition	User, Restaurant view their photos
Functional requirement	View Photo Gallery

Use case No:	01.01.16
Use case Name:	Get Membership Badge
Actor	User
Pre- Condition	User should active into the system
Trigger	Click the “Membership Badge” button
Description	Allowing User to get a membership badge
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Membership Badge’ field➤ Will show if any
Post Condition	User can able to get extra facilities
Functional requirement	Get Membership Badge



Use case No:	01.01.19
Use case Name:	Post Video
Actor	User, Restaurant
Pre- Condition	User, Restaurant enter into the gallery
Trigger	Click the “Upload” button
Description	Allowing User to upload a video
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Upload’ button➤ Select a file and upload it
Post Condition	User, Restaurant can able to add a new file into the gallery
Functional requirement	Post Video

Use case No:	01.01.18
Use case Name:	Upload Photo
Actor	User, Restaurant
Pre- Condition	User, Restaurant enter into the gallery
Trigger	Click the “Upload” button
Description	Allowing User to upload a file
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Upload’ field➤ Select a file and upload it
Post Condition	User, Restaurant can able to add a new file into the gallery
Functional requirement	Upload Photo



Use case No:	01.01.21
Use case Name:	Give Review
Actor	User
Pre- Condition	User will view a restaurant first
Trigger	Click the “Give Review” button
Description	Allowing User will give a review to a restaurant
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Give Review’ button➤ Provide a review
Post Condition	User can able to provide a response to a restaurant
Functional requirement	Give Review

Use case No:	01.01.20
Use case Name:	Stream Video
Actor	User, Restaurant
Pre- Condition	User, Restaurant enter into the gallery
Trigger	Click the “View Video” button
Description	Allowing User & Restaurant to streaming a video
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘View Video’ button➤ Watch a video
Post Condition	User, Restaurant can able to watch a video
Functional requirement	Stream Video



Use case No:	01.01.23
Use case Name:	Post Offer
Actor	Restaurant
Pre- Condition	Restaurant will go to the posting page
Trigger	Click the “Post” field
Description	Allowing Restaurant to post an offer
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Post’ field➤ Write offer and add file if any
Post Condition	Restaurant can able to post a offer for the users
Functional requirement	Post Offer

Use case No:	01.01.22
Use case Name:	Select Offer Category
Actor	Restaurant
Pre- Condition	Restaurant will go to the posting page
Trigger	Click the “Offer Category” button
Description	Allowing Restaurant to select a category
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Select Offer Category’ field➤ Select one
Post Condition	Restaurant can able to watch a video
Functional requirement	Select Offer Category



Use case No:	01.01.25
Use case Name:	Delete Offer
Actor	Restaurant
Pre- Condition	Restaurant will go to the posting page
Trigger	Click the “Delete” field
Description	Allowing Restaurant to delete an offer
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Delete’ field➤ Delete an offer
Post Condition	Restaurant can able to delete a previous post
Functional requirement	Delete Offer

Use case No:	01.01.24
Use case Name:	Update Offer
Actor	Restaurant
Pre- Condition	Restaurant will go to the posting page
Trigger	Click the “Update” field
Description	Allowing Restaurant to update an offer
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Update’ field➤ Write new offer and add new file if any
Post Condition	Restaurant can able to post a update offer for the users
Functional requirement	Update Offer



Use case No:	01.01.27
Use case Name:	Get Order
Actor	Restaurant
Pre- Condition	Restaurant will go to orders page
Trigger	Click the “Orders” button
Description	Allowing Restaurant to see the orders
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Orders’ button➤ View the results
Post Condition	Restaurant can able to take an action basis on that
Functional requirement	Get Order

Use case No:	01.01.26
Use case Name:	Receive Booking
Actor	Restaurant
Pre- Condition	Restaurant will go to booking
Trigger	Click the “Booking” button
Description	Allowing Restaurant to see a booking request
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Booking’ field➤ View the results
Post Condition	Restaurant can able to take an action basis on that
Functional requirement	Receive Booking



Use case No:	01.01.30
Use case Name:	Provide Membership Badge
Actor	Restaurant
Pre- Condition	Restaurant will go to Provide Membership Badge section
Trigger	Click the “Provide A Badge” button
Description	Allowing Restaurant to Provide a Badge
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Provide A Badge’ button➤ Send to the user
Post Condition	Restaurant can able to give extra facilities to that user
Functional requirement	Provide Membership Badge

Use case No:	01.01.28
Use case Name:	Receive Payment
Actor	Restaurant
Pre- Condition	Restaurant will go to receive payment section
Trigger	Click the “Payments” button
Description	Allowing Restaurant to get the payments
Flow of Events	<ul style="list-style-type: none">➤ Click on ‘Payments’ button➤ Receive payments
Post Condition	Restaurant can able to take an action basis on that
Functional requirement	Receive Payment



Use case No:	01.01.32
Use case Name:	See Review
Actor	Restaurant
Pre- Condition	Restaurant will go to Reviews section
Trigger	Click the “View Reviews” button
Description	Allowing Restaurant to view a review
Flow of Events	<ul style="list-style-type: none">➤ Go into the reviews page➤ View the reviews provided by the user
Post Condition	Restaurant can able to see a review
Functional requirement	See Review

Use case No:	01.01.31
Use case Name:	Publish Ad
Actor	Restaurant
Pre- Condition	Restaurant will go to Ad publishing section
Trigger	Click the “Publish” button
Description	Allowing Restaurant to Publish an Ad
Flow of Events	<ul style="list-style-type: none">➤ Upload Ad file➤ Send to the Admin for permission➤ Publish the Ad
Post Condition	Restaurant can able to get their marketing
Functional requirement	Publish Ad



Use case No:	01.01.34
Use case Name:	View User List
Actor	Admin
Pre- Condition	Admin will go to the Dashboard
Trigger	Click the “Users” button
Description	Allowing Admin to view user list
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View the user list
Post Condition	Admin can able to take actions by that
Functional requirement	View User List

Use case No:	01.01.33
Use case Name:	View Dash Board
Actor	Admin
Pre- Condition	Admin will login into the system
Trigger	Click the “Dashboard” button
Description	Allowing Admin to view the Dashboard of the system
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View the dashboard view
Post Condition	Admin can able to take actions by the dashboard
Functional requirement	View Dash Board



Use case No:	01.01.35
Use case Name:	Block User
Actor	Admin
Pre- Condition	Admin will go to the Dashboard
Trigger	Click the “User Name” button
Description	Allowing Admin to block a user
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View the User list➤ Block a user
Post Condition	Admin can able to remove a user from the system
Functional requirement	Block User

Use case No:	01.01.35
Use case Name:	View Restaurant List
Actor	Admin
Pre- Condition	Admin will go to the Dashboard
Trigger	Click the “Restaurants” button
Description	Allowing Admin to view Restaurant list
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View the Restaurant list
Post Condition	Admin can able to take actions by that
Functional requirement	View Restaurant List



Use case No:	01.01.37
Use case Name:	View Messages
Actor	Admin
Pre- Condition	Admin will go to Message section
Trigger	Click the “View Message” button
Description	Allowing Admin to view the messages sent by users
Flow of Events	<ul style="list-style-type: none">➤ Click on the Messages➤ View the Messages➤ Take action
Post Condition	Admin can able to send a replay of that message
Functional requirement	View Messages

Use case No:	01.01.36
Use case Name:	Block Restaurant
Actor	Admin
Pre- Condition	Admin will go to the Dashboard
Trigger	Click the “Restaurant Name” button
Description	Allowing Admin to block a Restaurant
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View the Restaurant list➤ Block a Restaurant
Post Condition	Admin can able to remove a restaurant from the system
Functional requirement	Block Restaurant



Use case No:	01.01.39
Use case Name:	View Calendar
Actor	Admin
Pre- Condition	Admin will go to Dashboard
Trigger	Click the “Calendar” button
Description	Allowing Admin to view Calendar
Flow of Events	<ul style="list-style-type: none">➤ Click on the Dashboard➤ View Calendar
Post Condition	Admin can able to see calendar and set action by that
Functional requirement	View Calenda

Use case No:	01.01.38
Use case Name:	Reply Message
Actor	Admin
Pre- Condition	Admin will go to Message section
Trigger	Click the “Reply” button
Description	Allowing Admin to view the messages and reply
Flow of Events	<ul style="list-style-type: none">➤ Click on the Messages➤ View the Messages➤ Send reply
Post Condition	Admin can able to make a conversation with user
Functional requirement	Reply Message



Use case No:	01.01.41
Use case Name:	View User Performance
Actor	Admin
Pre- Condition	Admin will go to Dashboard
Trigger	Click the “User performance” button
Description	Allowing Admin to view user performance
Flow of Events	<ul style="list-style-type: none">➤ Click on the user performance➤ See the performance
Post Condition	Admin can able to take action on that
Functional requirement	View User Performance

Use case No:	01.01.40
Use case Name:	View Comments
Actor	Admin
Pre- Condition	Admin will go to Comments section
Trigger	Click the “Comments” button
Description	Allowing Admin to view Comments
Flow of Events	<ul style="list-style-type: none">➤ Click on the Comments button➤ View comments
Post Condition	Admin can able to take action on that
Functional requirement	View Comments



Use case No:	01.01.43
Use case Name:	Approve Ad
Actor	Admin
Pre- Condition	Admin will go to Dashboard
Trigger	Click the “Approve Ad” button
Description	Allowing Admin to Approve Ads
Flow of Events	<ul style="list-style-type: none">➤ Click on the Approve Ad➤ Approve it
Post Condition	Admin can able to take action on that
Functional requirement	Approve Ad

Use case No:	01.01.42
Use case Name:	View Restaurant Performance
Actor	Admin
Pre- Condition	Admin will go to Dashboard
Trigger	Click the “Restaurant performance” button
Description	Allowing Admin to view Restaurant performance
Flow of Events	<ul style="list-style-type: none">➤ Click on the Restaurant performance➤ See the performance
Post Condition	Admin can able to take action on that
Functional requirement	View Restaurant Performance



Chapter 5

Activity Diagram

5.1 Activity Diagram for Restaurant

Activity Diagram (Restaurant)

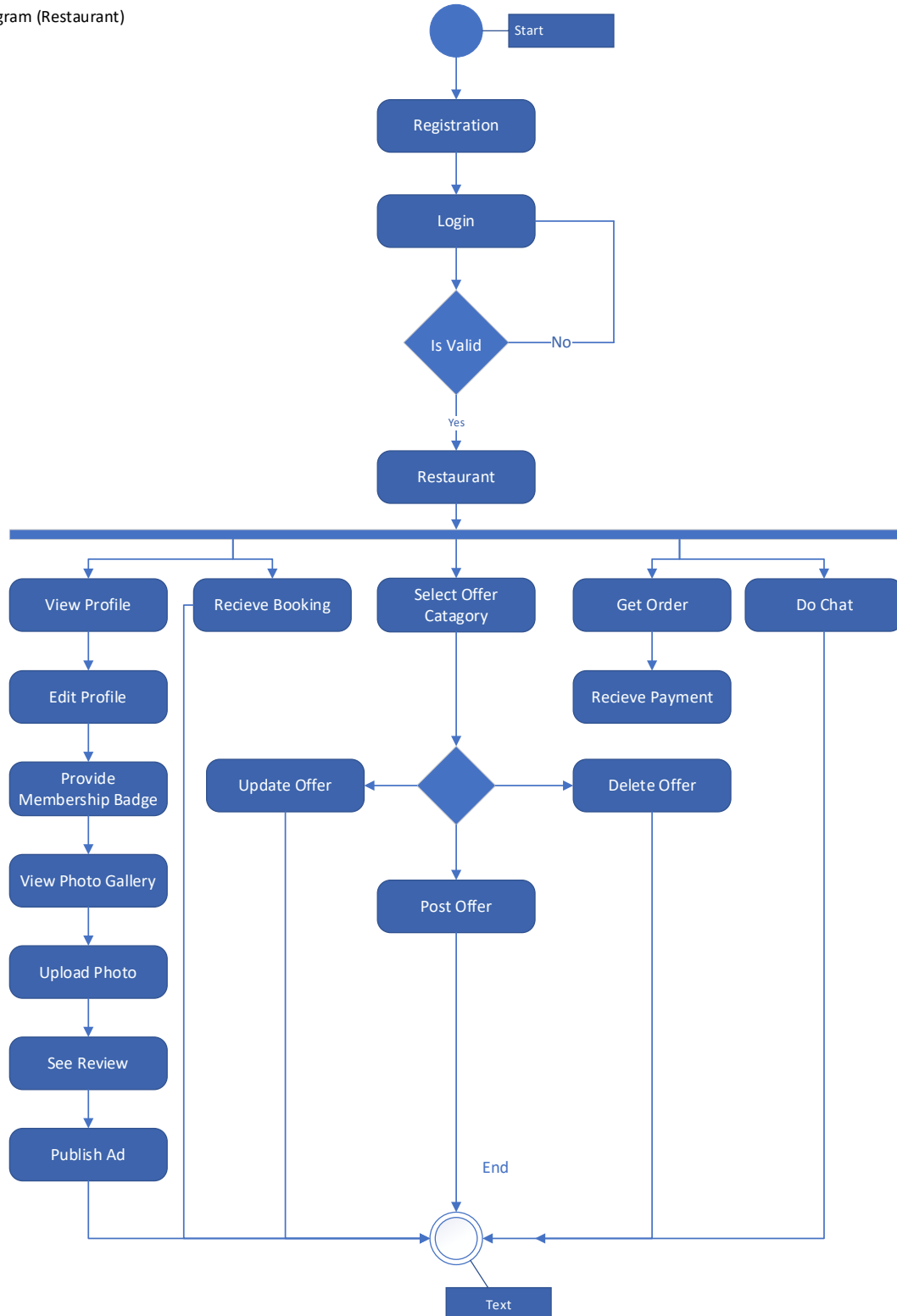


Figure-07: Activity diagram for Restaurant

5.1 Activity Diagram for User

Activity Diagram (User)

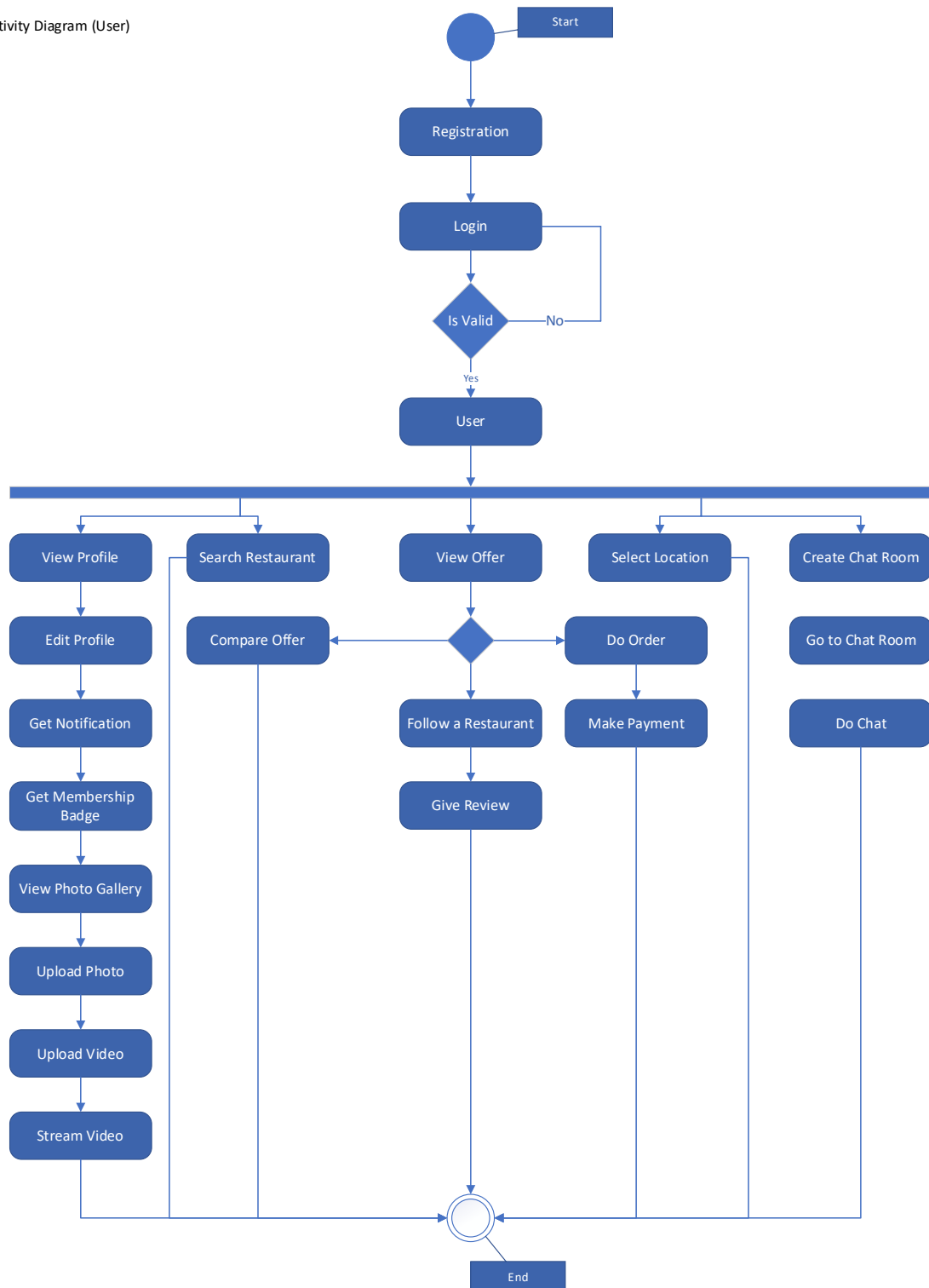


Figure-08: Activity diagram for user

5.1 Activity Diagram for Admin

Activity Diagram (Admin)

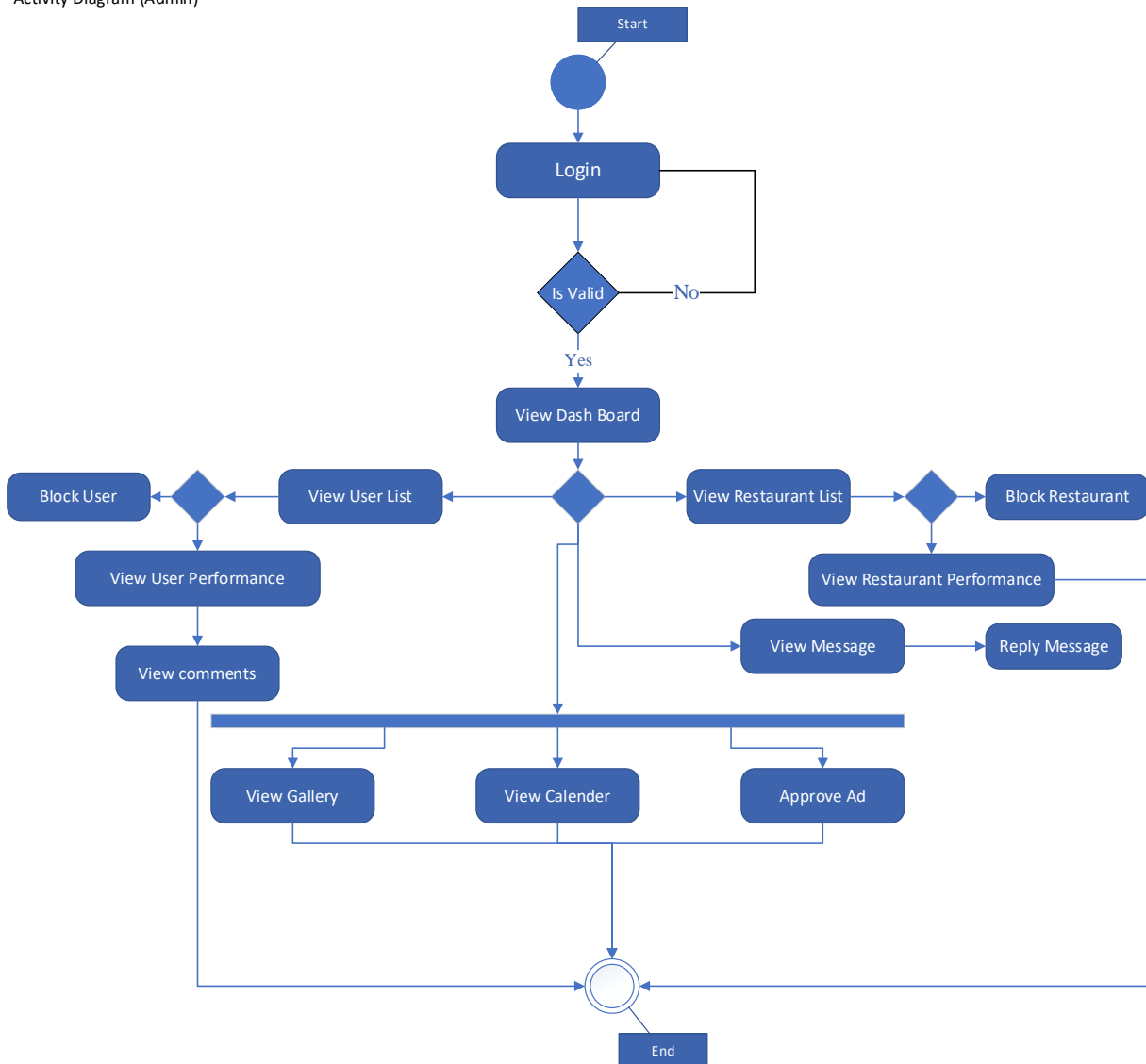


Figure-09: Activity diagram for Admin



Chapter 6

Class Diagram

6.1 Class Diagram

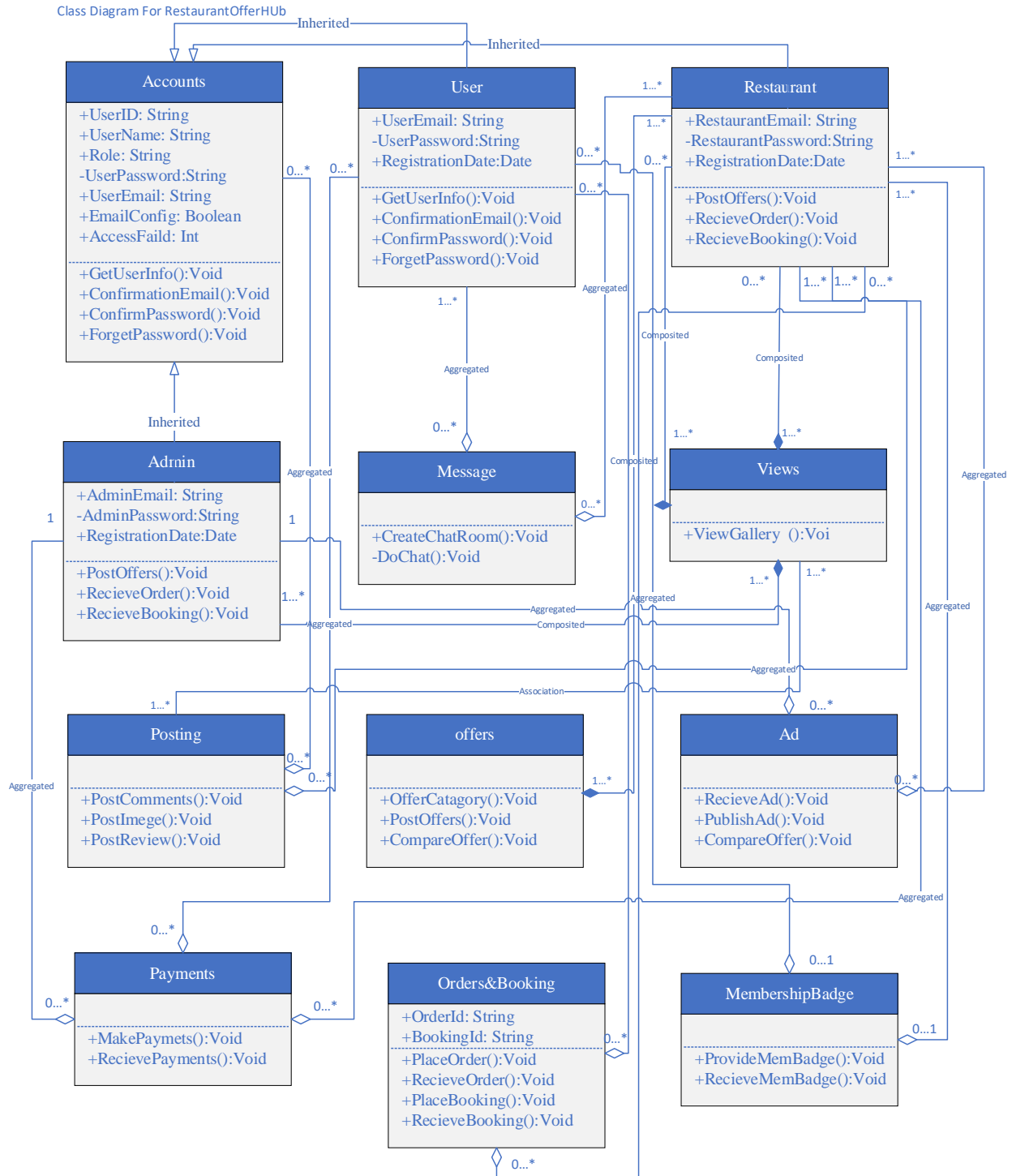


Figure-10: Class diagram



Chapter 7

Sequence Diagram

7.1 Sequence Diagram for Restaurant

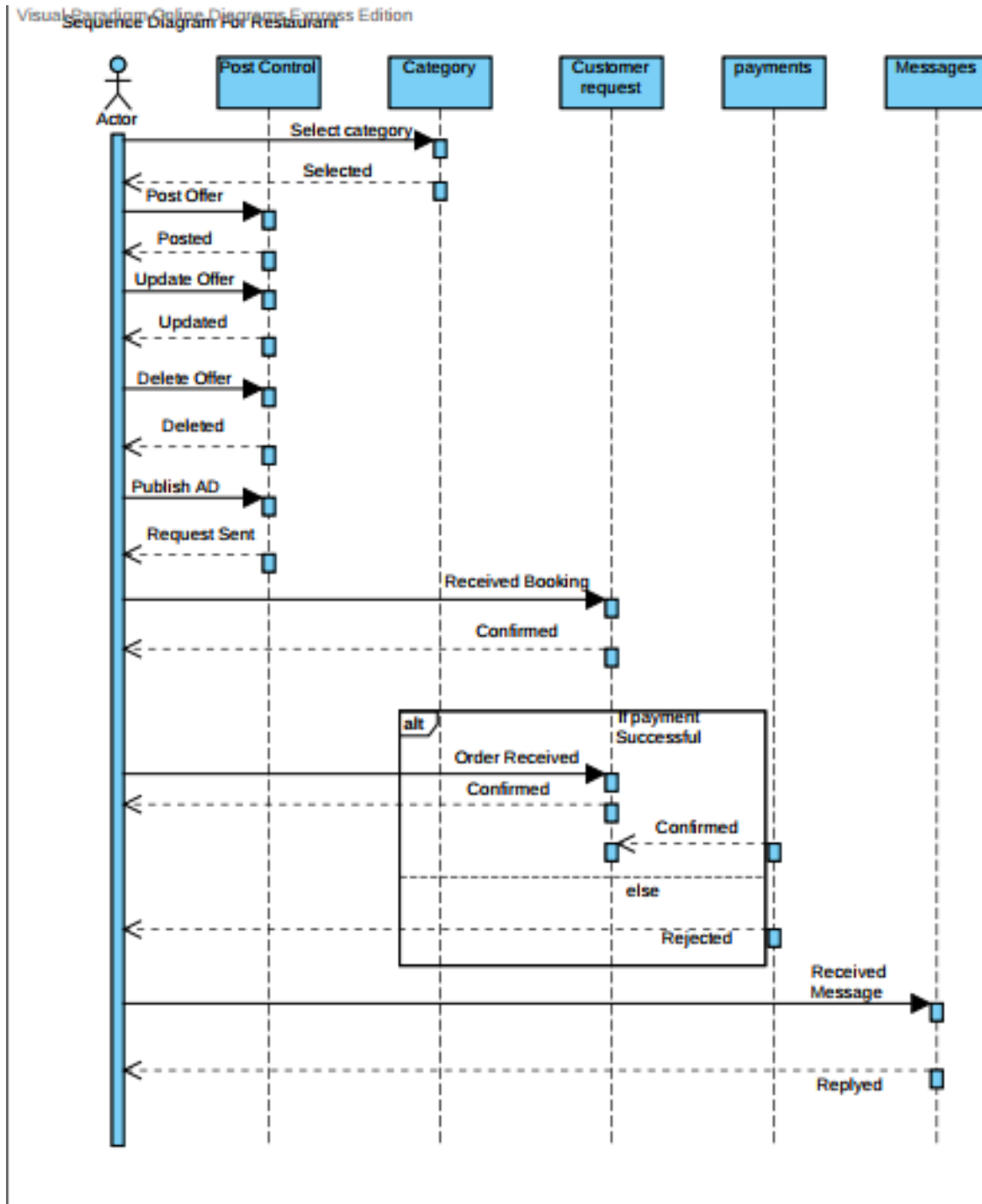


Figure-11: Sequence Diagram for Restaurant

7.2 Sequence Diagram for User

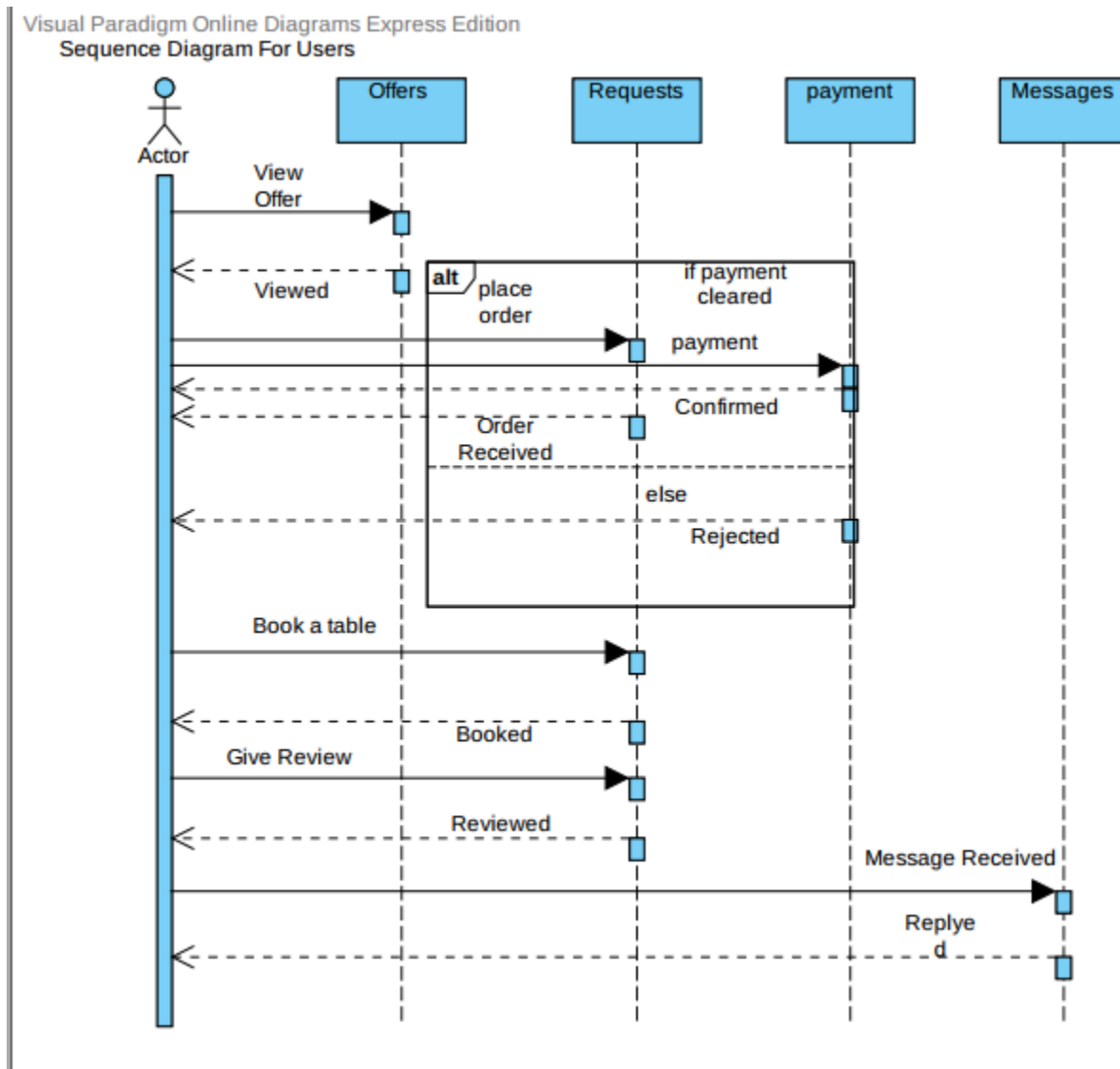


Figure-12: Sequence Diagram for User

7.3 Sequence Diagram for Admin

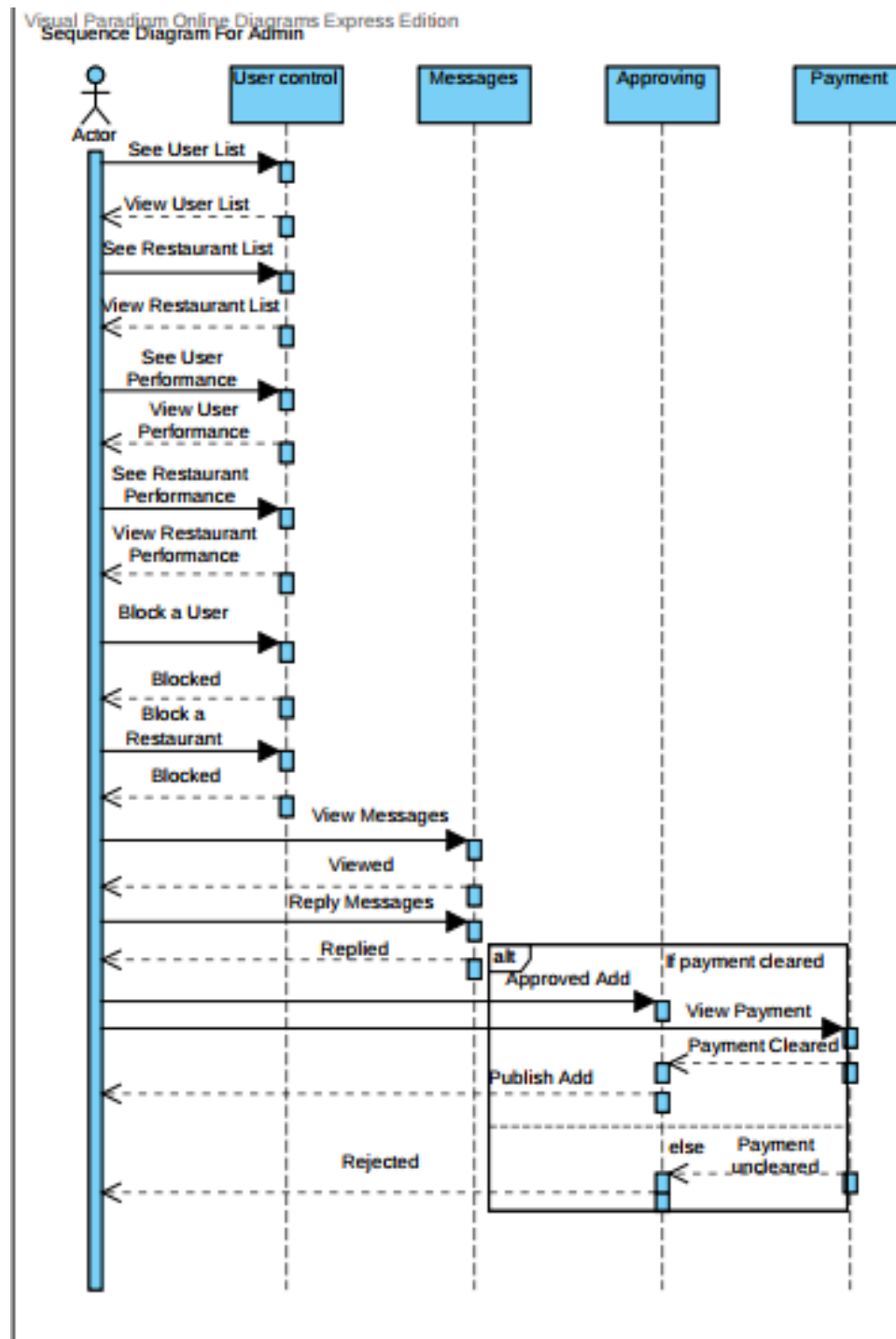


Figure-13: Sequence Diagram for Admin



Chapter 8

ER Diagram

8.1 ER Diagram

ERD OF Restaurant Offer Hub

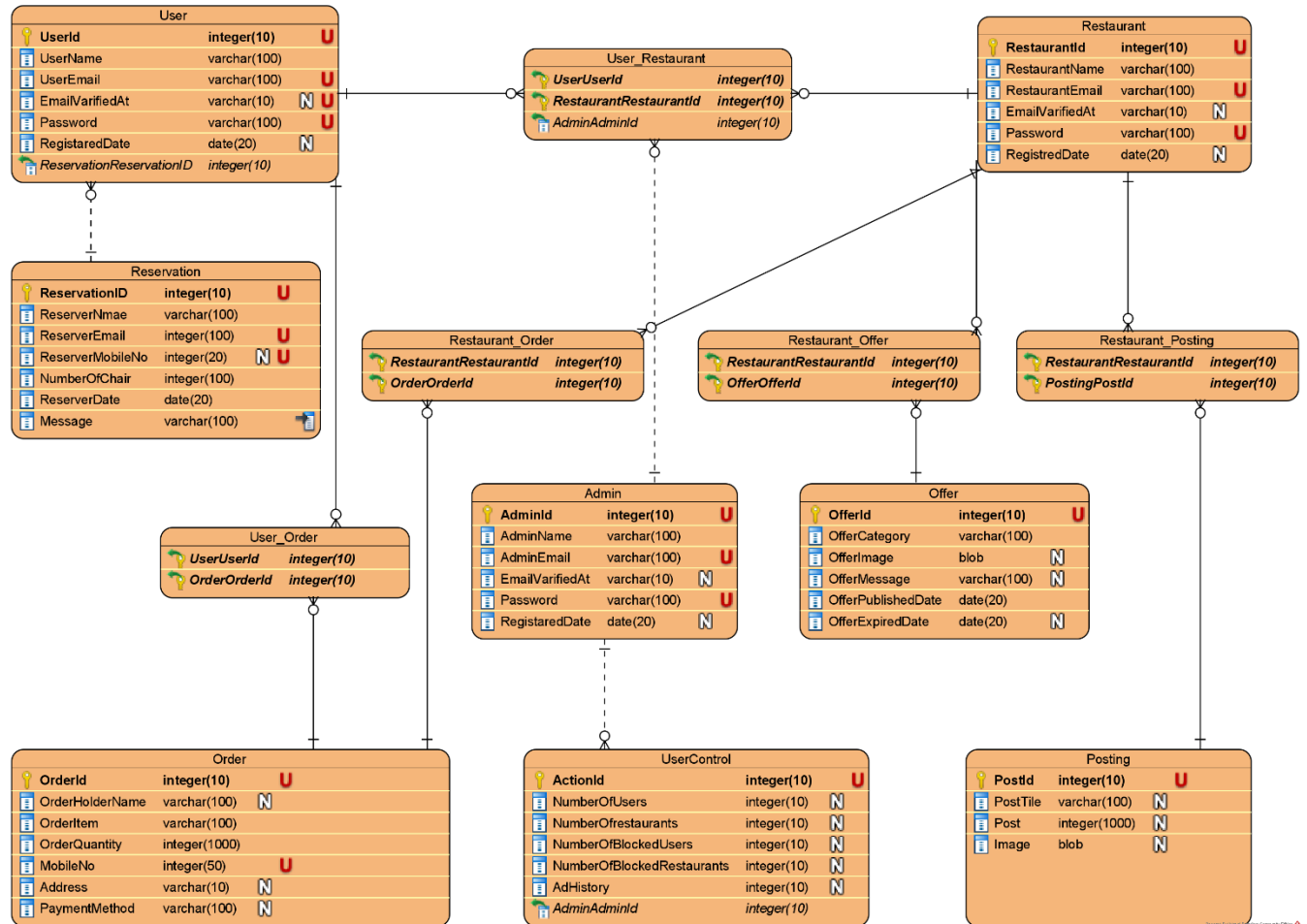


Figure-14: Entity Relationship Diagram



Chapter 9

Trello Board



9.1 Trello Board

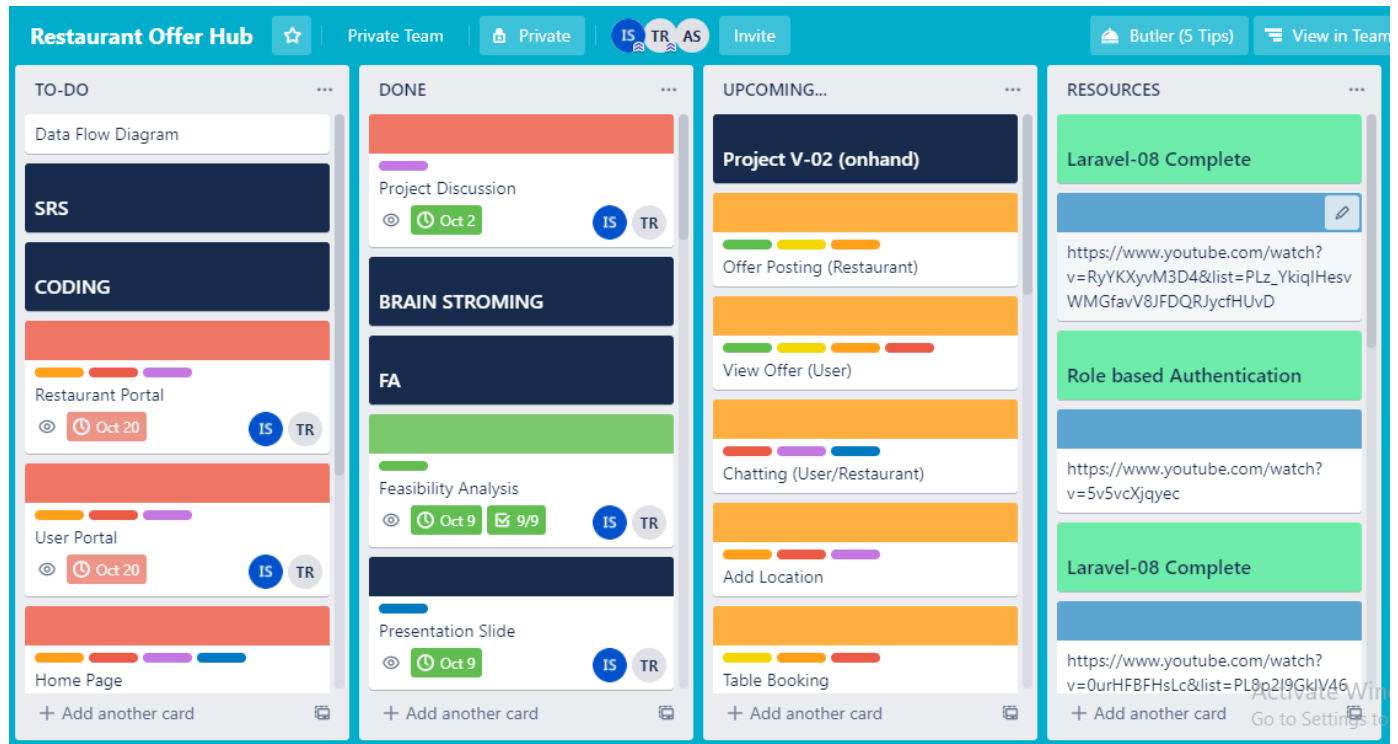


Figure-15: Trello Board



Chapter 10

Reference



10.1 Reference

Food Panda

URL: <https://www.foodpanda.com.bd/>

Uber Eats

URL: <https://www.ubereats.com/>

Facebook

URL: <https://www.facebook.com/>

Instagram

URL: <https://www.instagram.com/>

You Tube

URL: <https://www.youtube.com/>

<https://www.tutorialspoint.com/>

<https://www.w3schools.com/>

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<https://staruml.io/>

<https://www.visual-paradigm.com/>

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