

# Software Development Project-I On

**“Find and Book Salon”**

In Partial Fulfillment of the requirements for the Bachelor  
of Computer Applications (B.C.A.)

**Developed By  
(Group No.: 1)**

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**(Semester-V Bachelor of Computer Applications)**

**2020 - 2021**

Department of Computer Sciences

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Date :12/12/2020

## ***Certificate***

This is to certify that Ms.Hunny Shah, Ms.Vidhi Shah, Ms.Hansika Asthana from the Department of Computer Sciences, St. Xavier's College (Autonomous) of BCA Semester-V have successfully completed their project work as a trainee for the current semester for the academic year 2020-2021 , for the project titled "Find and Book Salon". As part of the project, in the current semester they have completed following tasks under our company guidance:

- Required analysis for their Project
- DFD/UML
- ERD
- Data Dictionary

During the project work they were found sincere and cooperative. We admire their enthusiasm and involvement in the project and hope that they will show the same enthusiasm in the coming semester.

For, Unicorn Technolabs

Yours Sincerely



Ronald Macwan  
(Project Manager)



# ST. XAVIER'S COLLEGE (AUTONOMOUS)

Re-accredited with 'A' (CGPA 3.41 out of 4) by NAAC (3<sup>rd</sup> Cycle) | Affiliated to Gujarat University

## *CERTIFICATE*

This is to certify that

SHAH HUNNY KEYURKUMAR

VIDHI SHAH

HANSIKA ASTHANA

of Semester-V of Bachelor of Computer Applications,

of the Department of Computer Sciences have successfully

completed the project titled

“Find and Book Salon”

as part of the curriculum of Software Development Project-I.

*Nnadar*

Internal Guide

*Johnson*

Vice Principal

Date: 18 / 11 / 2020

Place: Ahmedabad



## **ACKNOWLEDGEMENT**

We, **Hunny Shah, Vidhi Shah** and **Hansika Asthana**, the students of St. Xavier's College (Autonomous), are extremely grateful to "Unicorn Technolabs" for confidently entrusting us with the responsibility of the development and completion of the project "**FIND AND BOOK SALON**".

Hereby, we feel highly delighted in expressing our sincere thanks to **Mr. Ronald Macwan**, our External Project Guide, for making sure that the right resources were available to us at the right time and for providing valuable insights and guidance that led to the partial completion of our project.

We would also like to express our deep gratitude to **Fr. Johnson SJ**, Director of Department of Computer Application, St. Xavier's College (Autonomous) for arranging this wonderful opportunity and project training. We extend our heartfelt gratitude to our Internal Project Guide, **Miss. Nithya Nadar**, for her indispensable assistance throughout the project work.

We have taken efforts in this project. However, it wouldn't have been possible without the kind support and help of many individuals and organizations. We would like to extend our genuine thanks to all of them.

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# **1. INTRODUCTION**

Bachelor of computer Application (BCA) is an undergraduate program conducted by the Gujarat University which aims at imparting students with IT knowledge needed in this century of digital communication. During the final year of the course students are required to experience first-hand practices undergone by IT professionals in their development of their carrier. This is accomplished by taking part in the project work of developing a website for a company.

We are developing **FIND AND BOOK SALON** website for the company. This website will help a User to find a salon according to their needs, and they can also book appointments. This system is a web-based Salon Management Application with Appointment Scheduling functionality. This system will allow the Salon to increase scope of business and maintenance of records in a meticulous and prudent manner by replacing the old and tiresome maintenance and monitoring practices involved. Our system also allows the User to quickly and easily book or cancel the appointments. Then, the Salon can manage the regular booked appointments. There is an option of viewing salons and their services without registration. In today's time, the customers are not only attracted because of just a great established salon, but also because they have visibility into services rendered, price and extremely simplified navigation for the customer ratings.

Online management and monitoring system that we are proposing here, greatly simplifies booking/managing of appointments and searching of multiple salons. This system presents an interactive and up-to-date visual with all available options in an easy to understand manner.

## **2. ORGANIZATION PROFILE**



Unicorn Technolabs is a Website and Mobile App Development Company, located in Ahmedabad. The company embraces its services especially in web design and development. This establishment acts as a one-stop destination servicing customers both local and international.

### **SERVICES:**

- Web Development
- Mobile applications
- Web Designing
- Software Development

### **SECTOR:**

- Information Technology

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### **3. PROJECT PROFILE**

- The **Find and Book Salon** is a web-based Salon management Application with appointment scheduling functionality.
- The aim is to develop an online software which connects users and salon owners in an online community allowing users to browse salons and their services.
- The interfaces of the proposed web-based application were designed to have rich user experience and a user-friendly way to access functionalities.
- Subscribing to this software, the salon owners can manage online bookings and their profiles which provides a new way to their business. Also, this software provides increases efficiency and service quality for the users by giving ratings to Salons.
- The website has mainly four types of user groups: Salon owner, Users, Visitors and Website administrator.



### **3.1. EXISTING SYSTEM**

- Currently, there is no such system where user can search and view multiple salons and their details.
- Online customers are only able to search salon by name through search engines, not through other criteria.
- In the existing system, one has to call the salon to book/cancel an appointment.
- User is not able to understand the service quality of a salon through search engines, and they are dependent on their personal experiences of using the salon services for the first time.

## **3.2. PROPOSED SYSTEM**

### **ADMIN**

- Admin can Login.
- Admin can manage accounts.
- Admin can manage membership plans.
- Admin can manage services.
- Admin can moderate the details of Salon Owner and then approve the profile.

### **SALON OWNER**

- Salon Owner can register and create an account of their own.
- When the Owner will register, the details will go to Admin, and once the account gets verified by the Admin, the Owner can use it.
- Salon Owner can subscribe the membership by choosing a particular membership plan.
- Salon Owner can update or edit all the services, profile details and photos regarding their salon.
- Salon Owner can provide offers.
- Owner can approve and cancel appointments according to their convenience.

- Owner can see the Ratings given by the users.
- Salon Owner can view User profile details.

## **USER**

- User has to register/login and can view details and services of salon.
- User can search for the salons according to the services and location.
- User can book/cancel appointment.
- User can manage their own profile.
- User can check which salon is suitable according to their requirements and preferences.
- User can also check what that particular salon is famous for and can bookmark the salon for future use.
- User can also give Ratings to the salons.

## **VISITOR**

- Visitor can search for the salons according to the services and location.
- Visitor can view the salon details, services that are provided by Salon and User ratings.

### **3.3. DEVELOPMENT TOOLS & TECHNOLOGY USED**

#### **FRONT END:**

- PHP (7.3)

#### **BACK END:**

- MySQL (5.0)

#### **SERVER:**

- Apache

#### **IDE:**

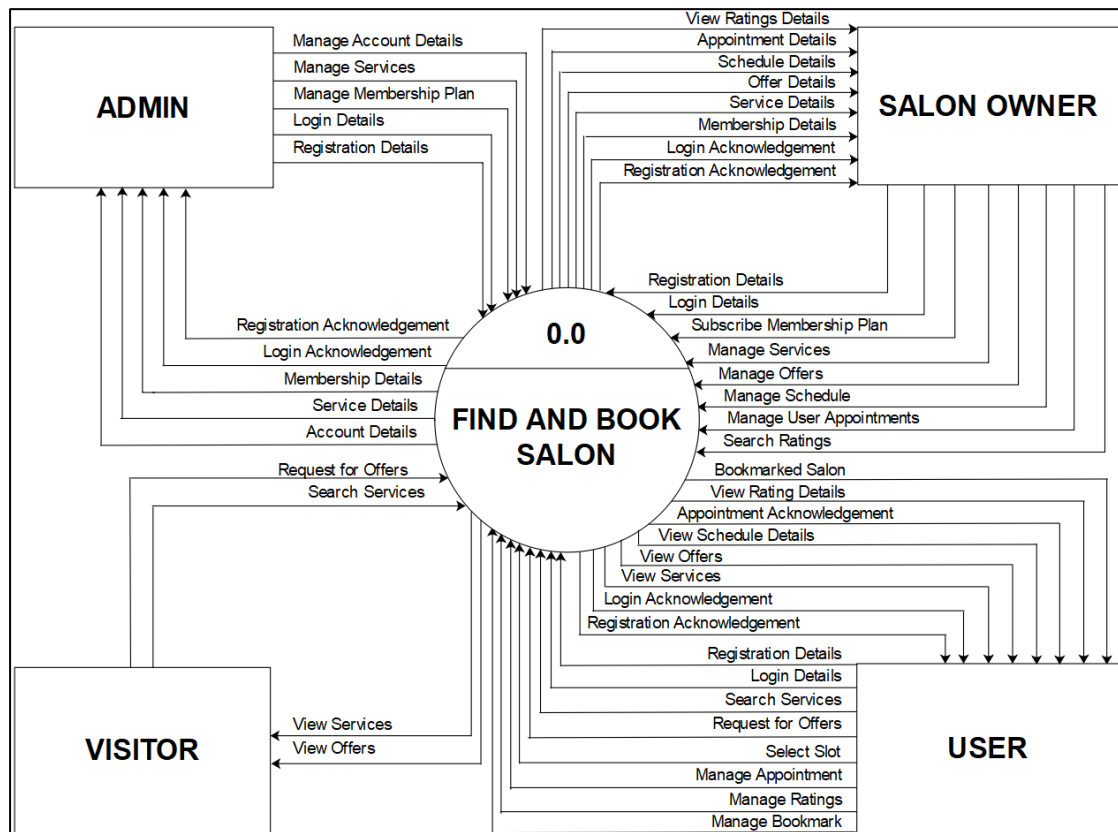
- Apache NetBeans IDE 12.0

#### **OTHERS:**

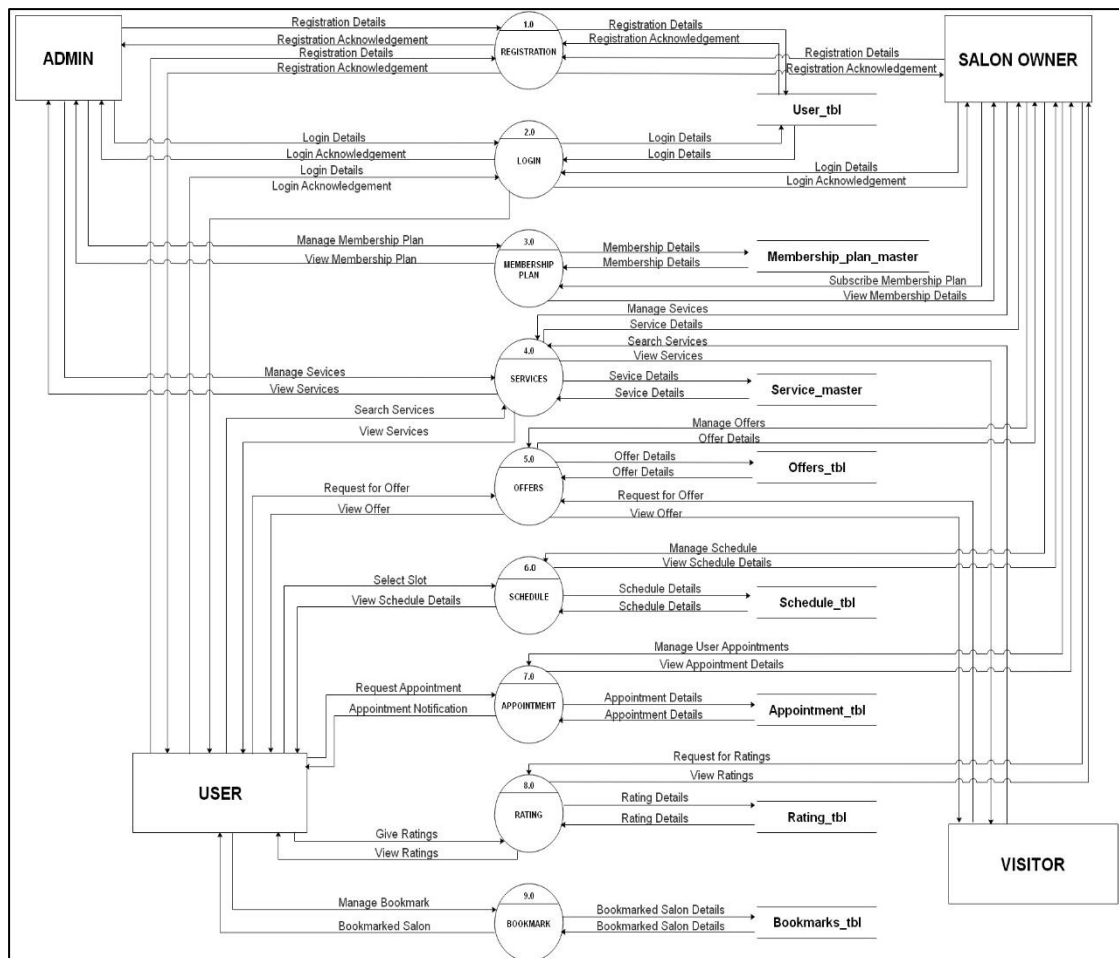
- MS Office 2019
- Edraw Max

## 4. DFD (DATA FLOW DIAGRAM)

### 4.1. CONTEXT LEVEL DIAGRAM

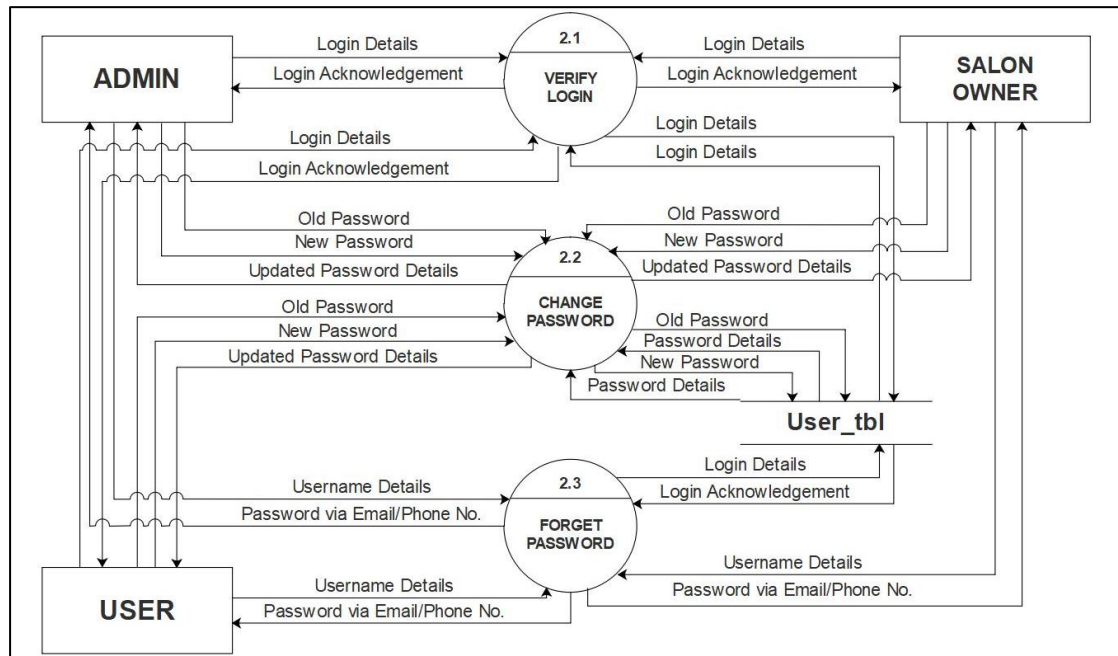


## 4.2. LEVEL 1 DIAGRAM

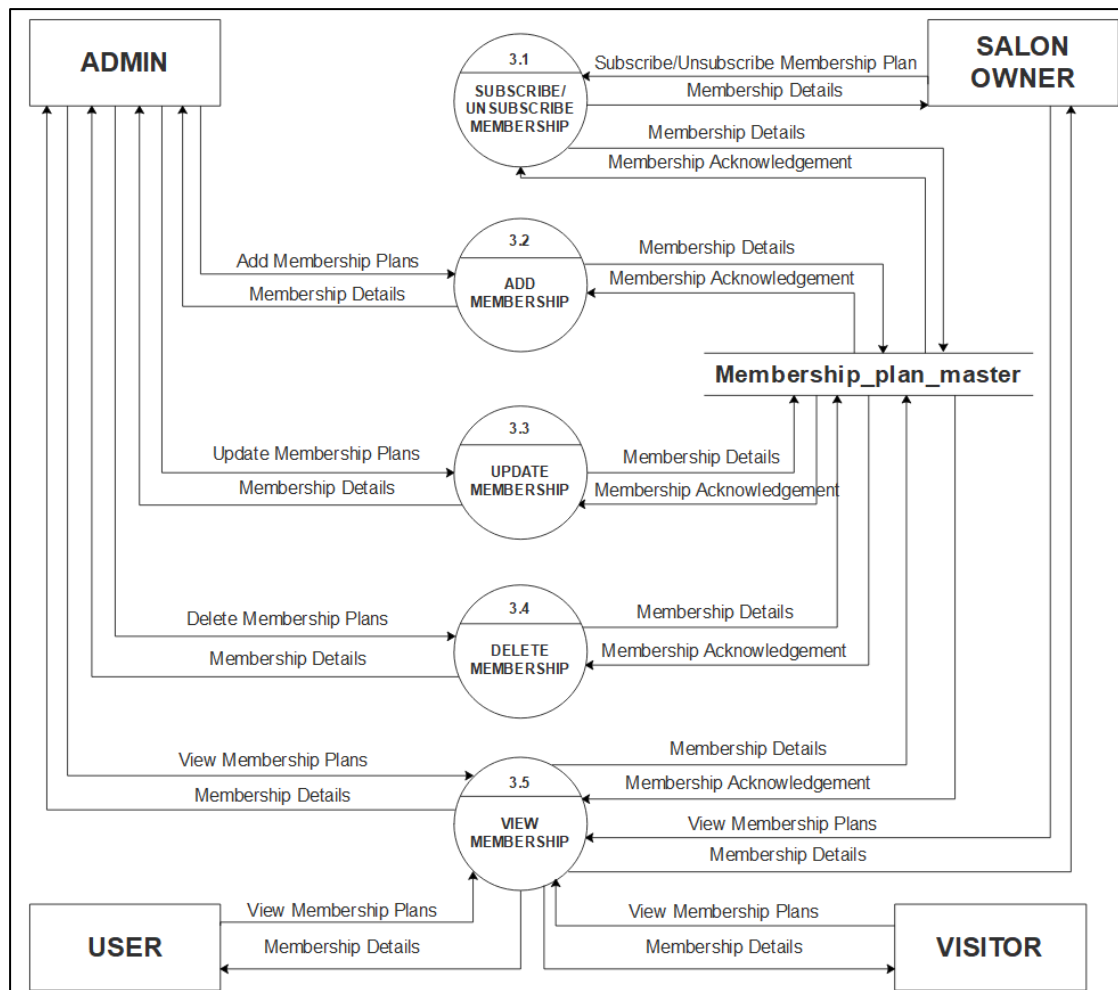


## 4.3. LEVEL 2 DIAGRAM

### 4.3.1. LEVEL 2.2

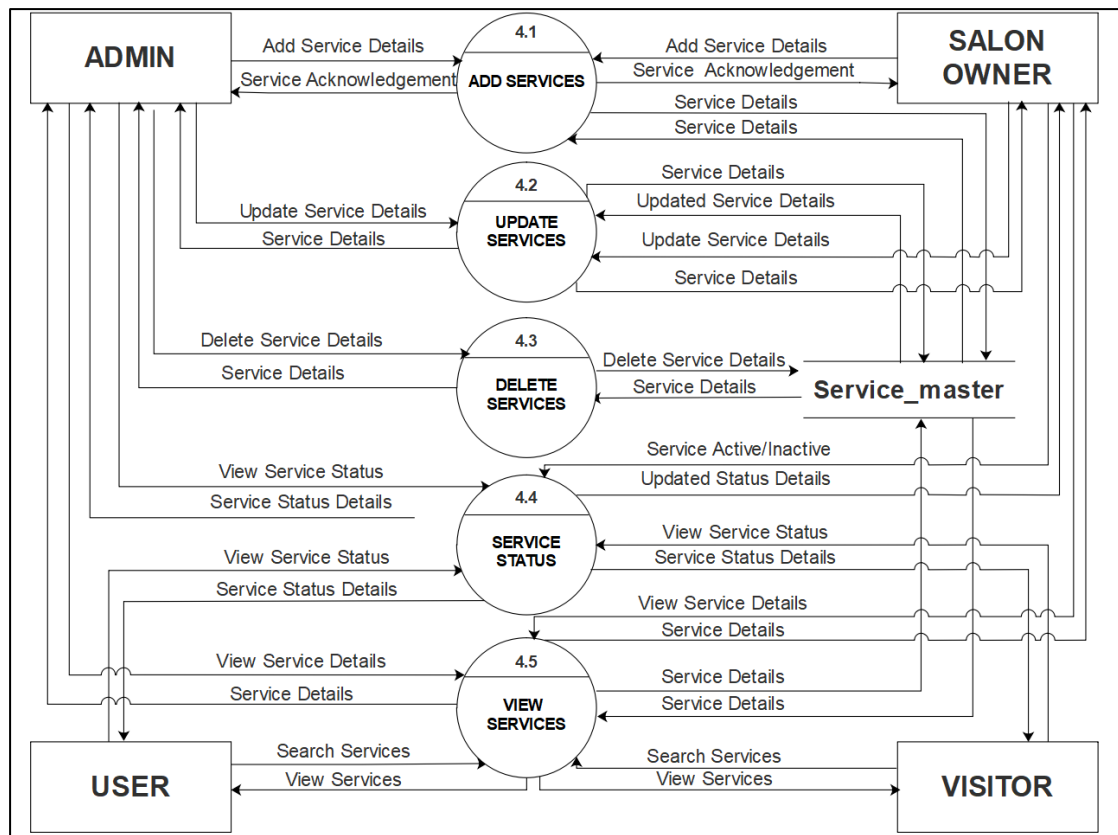


### 4.3.2. LEVEL 2.3

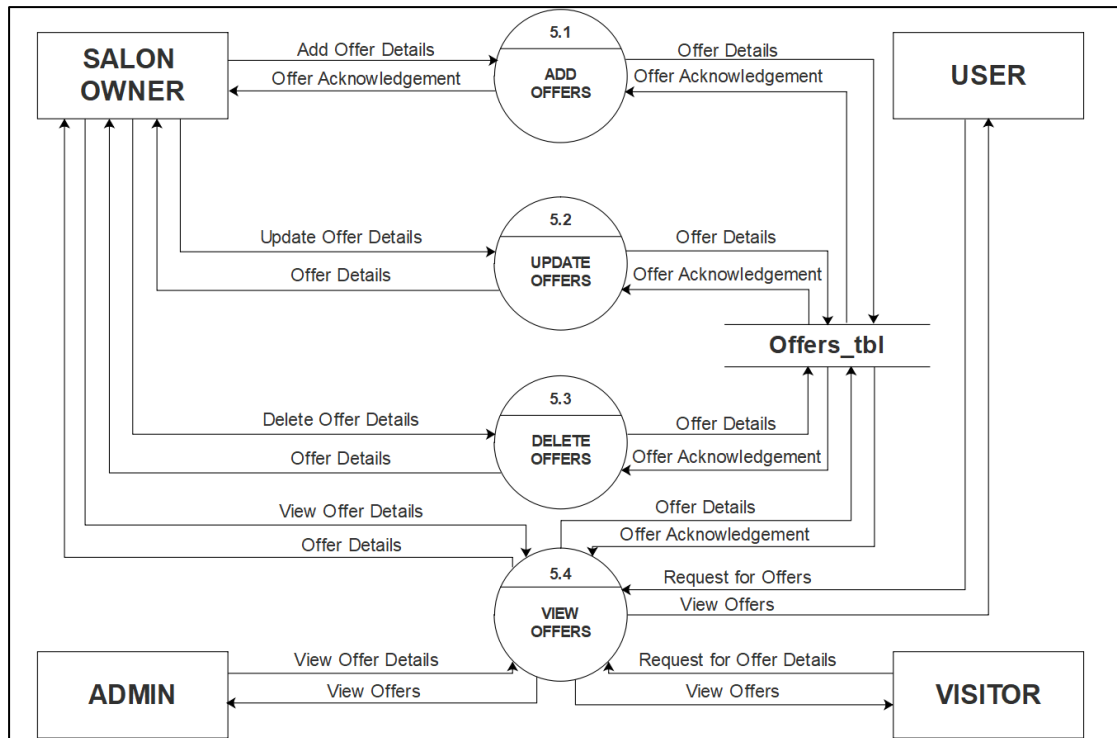




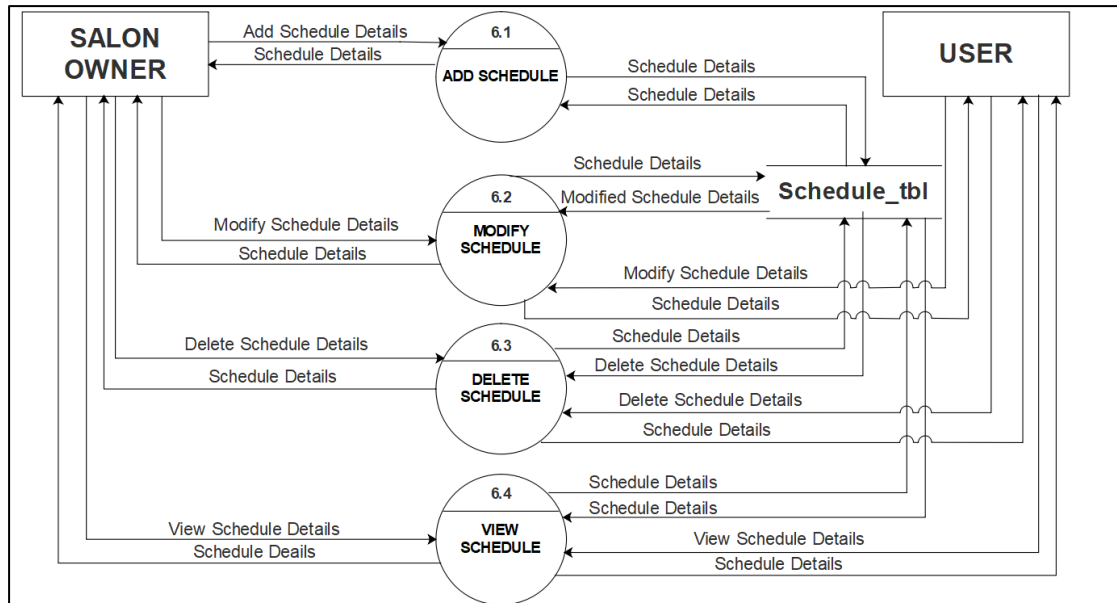
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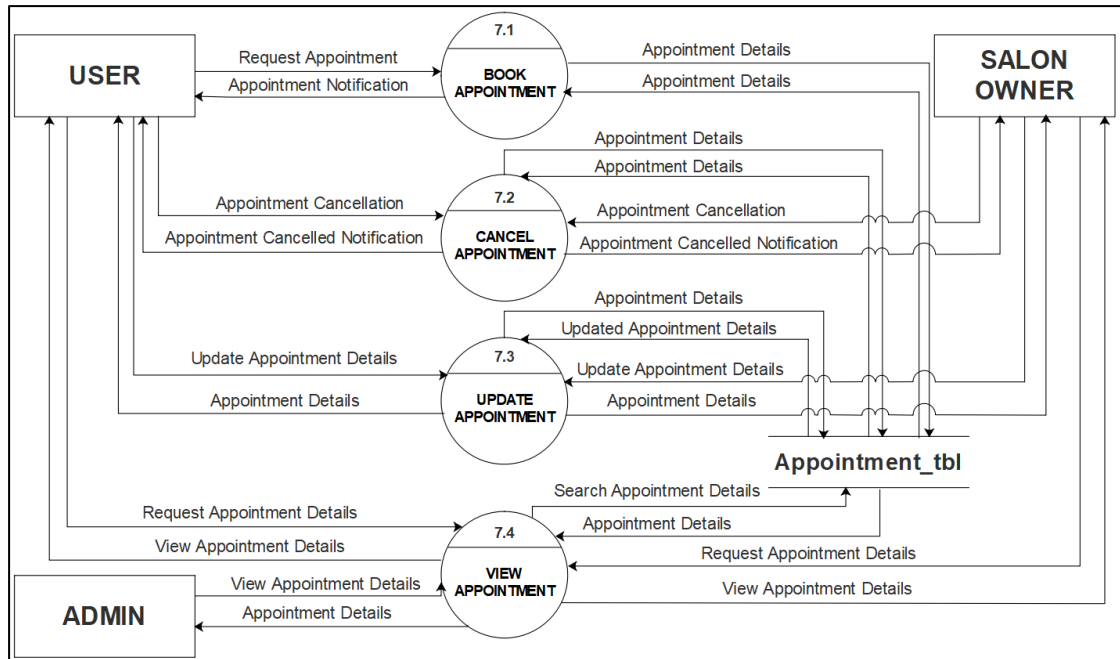
### 4.3.4. LEVEL 2.5



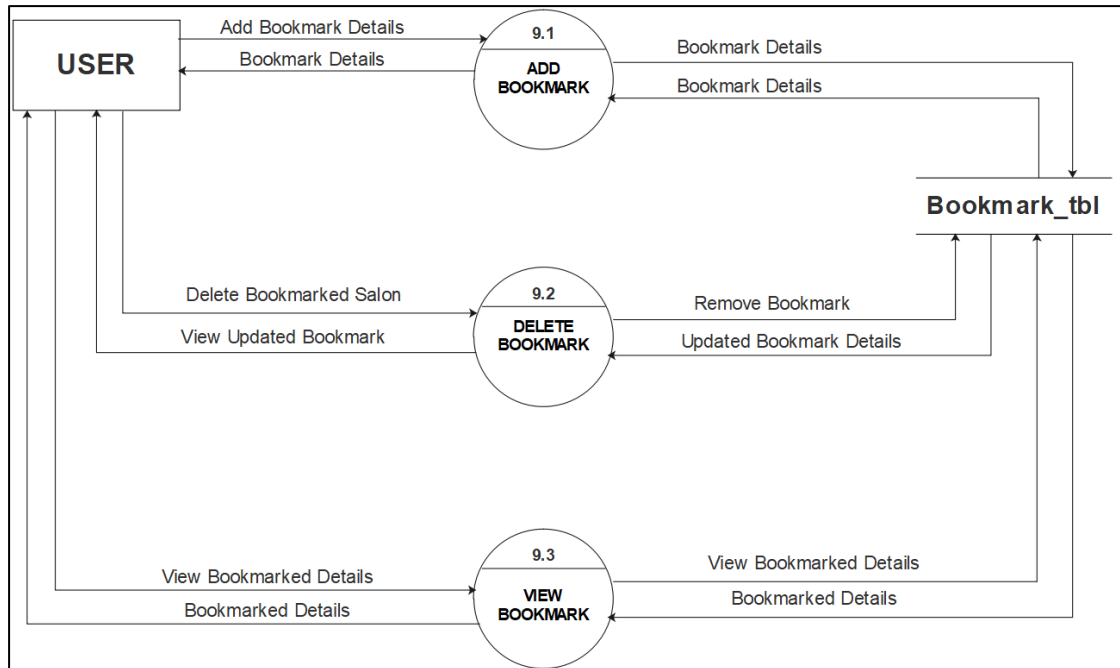
### 4.3.5. LEVEL 2.6



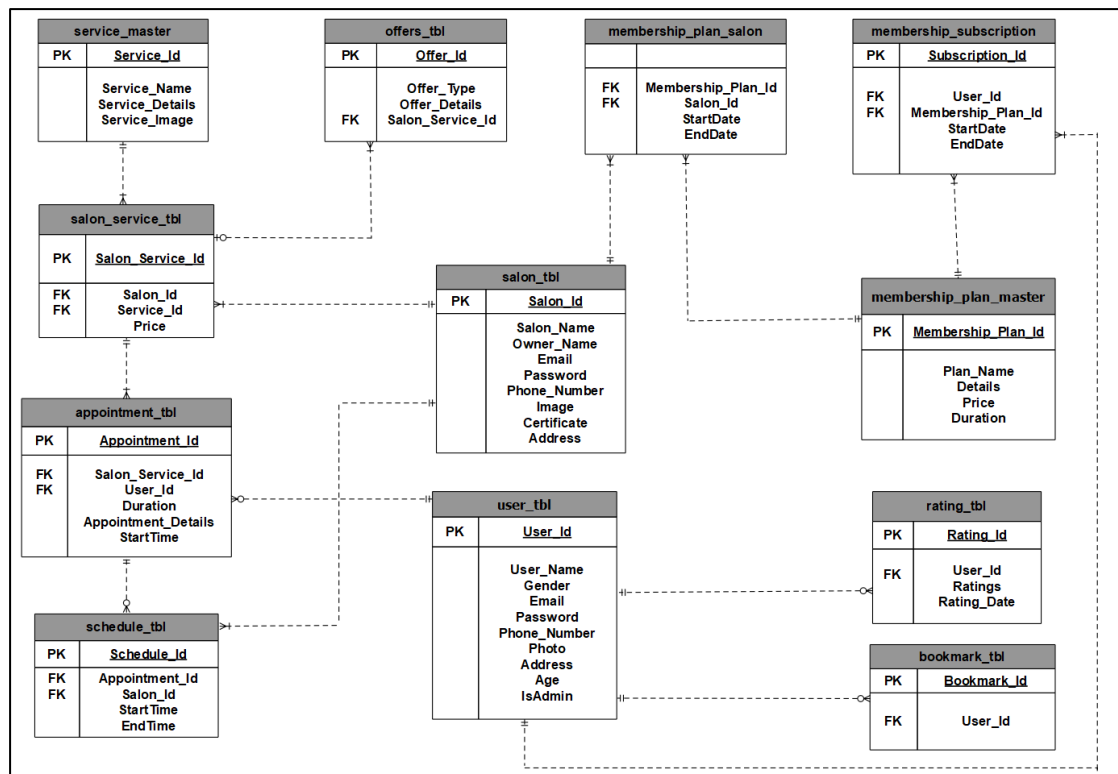
### 4.3.6. LEVEL 2.7



### 4.3.7. LEVEL 2.9



## 5. ENTITY RELATION DIAGRAM



## 6. DATA DICTIONARY

### 6.1. User\_tbl

Description : It will store the details about user.

Field Name	Data Type	Size	Constraint	Description
User_Id	Integer	5	Primary Key	It stores the User Id of admin/user
User_Name	Varchar	30	Not Null	It stores the name of the user
Gender	Varchar	3	Not Null	It stores the gender of the user
Email	Varchar	25	Unique	It stores the email id of the user
Password	Varchar	10	Not Null	It stores password of the user
Phone _Number	Integer	10	-	It stores phone number of the user
Photo	Varchar	50	-	It stores path of the user's picture
Address	Varchar	150	-	It stores address of the user
Age	Integer	3	Not Null	It stores the age of the user
IsAdmin	Boolean		Not Null	It will store if User is admin or User. True is Admin and False is User

## 6.2. Salon\_tbl

Description : It will store the salon details.

Field Name	Data Type	Size	Constraint	Description
Salon_Id	Integer	5	Primary Key	It stores id of salon
Salon_Name	Varchar	30	Not Null	It stores name of the salon
Owner_Name	Varchar	30	Not Null	It stores name of the salon owner
Email	Varchar	25	Unique	It stores the email id of the salon
Password	Varchar	10	Not Null	It stores password of the salon
Phone_Number	Integer	10	Not Null	It stores phone number of the salon
Image	Varchar	50	Not Null	It stores path of the salon's picture
Certificate	Varchar	50		It stores path of the salon owner certificate
Address	Varchar	150	Not Null	It stores address of the salon



### 6.3. Membership\_plan\_master

Description : It will store the details about membership Plans.

Field Name	Data Type	Size	Constraint	Description
Membership_Plan_Id	Integer	5	Primary Key	It stores Id of the membership plan
Plan_name	Varchar	30		It stores name of the membership plan
Details	Text		Not Null	It stores details regarding membership plan
Price	Decimal	(7,2)	Not Null	It stores the price of a membership plan
Duration	Text		Not Null	It stores the duration of membership plan

### 6.4. Membership\_plan\_saloon

Description : It will store details of membership subscribed by salon owner.

Field Name	Data Type	Size	Constraint	Description
Salon_Id	Integer	5	Foreign Key	It stores the Salon_Id of Salon_tbl
Membership_Plan_Id	Integer	5	Foreign Key	It stores Membership_Plan_Id of Membership_plan_master
StartDate	Date		Not Null	It stores subscription start date
EndDate	Date		Not Null	It stores subscription end date

## 6.5. Membership\_subscription

Description : It will store details of user subscribed membership.

Field Name	Data Type	Size	Constraint	Description
Subscription_Id	Integer	5	Primary Key	It stores subscription Id
User_Id	Integer	5	Foreign Key	It stores User_Id from User_tbl
Membership_Id	Integer	5	Foreign Key	It stores Membership_Plan_Id from Membership_plan_master
StartDate	Date		Not Null	It stores subscription start date
EndDate	Date		Not Null	It stores subscription end date

## 6.6. Service\_master

Description : It will store the details about services.

Field Name	Data Type	Size	Constraint	Description
Service_Id	Integer	5	Primary Key	It stores the id of a service
Service_Name	Varchar	15	Not Null	It stores name of a service provided by a salon (e.g. Haircut, Waxing, Massage, etc.)
Service_Details	Text		Not Null	It stores details regarding a service
Service_Image	Varchar	50	Not Null	It stores the path of a service's image

## 6.7. Salon\_service\_tbl

Description : It will store the details about salon services.

Field Name	Data Type	Size	Constraint	Description
Salon_Service_Id	Integer	5	Primary Key	It stores the id of a salon service
Salon_Id	Integer	5	Foreign Key	It stores the Salon_Id from Salon_tbl
Service_Id	Integer	5	Foreign Key	It stores the Service_Id from Service_master
Price	Decimal	(7,2)	Not Null	It stores the price of a service

## 6.8. Offers\_tbl

Description : It will store the details of the offers.

Field Name	Data Type	Size	Constraint	Description
Offer_Id	Integer	5	Primary Key	It stores the offer id
Offer_Type	Text		Not Null	It stores the type of an offer (e.g. Seasonal Offer/Festive Offer/etc..)
Offer_Details	Text		Not Null	It stores the details regarding an offer
Salon_Service_Id	Integer	5	Foreign Key	It stores the Salon_Service_Id from Salon_Service_tbl

## 6.9. Schedule\_tbl

Description : It will store the schedule details.

Field Name	Data Type	Size	Constraint	Description
Schedule_Id	Integer	5	Primary Key	It stores the id a salon's schedule
Appointment_Id	Integer	5	Foreign Key	It stores the Appointment_Id from Appointment_tbl
Salon_Id	Integer	5	Foreign Key	It stores the Salon_Id from Salon_tbl
StartTime	Date/Time		Not Null	It stores start time of schedule
EndTime	Date/Time		Not Null	It stores end time of schedule

## 6.10. Appointment\_tbl

Description : It will store the appointment details.

Field Name	Data Type	Size	Constraint	Description
Appointment_Id	Integer	5	Primary Key	It stores the appointment id
Salon_Service_Id	Integer	5	Foreign Key	It stores the Salon_Service_Id from Salon_Service_tbl
User_Id	Integer	5	Foreign Key	It stores the User_Id from the User_tbl table
Duration	Text		Not Null	It stores the duration of appointment
Appointment_Details	Text		Not Null	It stores the details regarding appointment
StartTime	Date/Time		Not Null	It stores appointment start time

## 6.11. Rating\_tbl

Description : It will store the details of Rating.

Field Name	Data Type	Size	Constraint	Description
Rating_Id	Integer	5	Primary Key	It stores the rating id
User_Id	Integer	5	Foreign Key	It stores the User_Id from User_tbl
Ratings	Integer	2	Not Null	It stores the ratings given by a user to a salon (e.g. 1/2/3/4/5)
Rating_Date	Date		Not Null	It stores the date of the rating given

## 6.12. Bookmark\_tbl

Description : It will store the details of the Bookmark.

Field Name	Data Type	Size	Constraint	Description
Bookmark_Id	Integer	5	Primary Key	It stores the bookmark id
User_Id	Integer	5	Foreign Key	It stores the User_Id from User_tbl

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