

ONLINE APPOINTMENT SYSTEM FOR BEAUTY SALON

Project Report Submitted

To

Gujarat University

In partial fulfilment of the requirements for

the award to the Degree of

**5 YEAR INTEGRATED MASTER OF SCIENCE
(COMPUTER SCIENCE)**

SEMESTER – IV

GUIDED BY:

Dr. Jigna Satani

SUBMITTED BY:

**Mahale Ruchita (40030)
Makwana Keyuri (40032)
Patel Netra(40056)
Patel Vibhu(40061)**



**DEPARTMENT OF COMPUTER SCIENCE
GUJARAT UNIVERSITY, AHMEDABAD**

YEAR: 2023-24

Acknowledge

As team members, we sincerely thank our project guide, Dr. Jigna Satani, for her unwavering support and guidance throughout this project. We also extend our gratitude to Dr. Jyoti Parekh, whose vision and guidance have inspired us. Their constant advice and suggestions have significantly contributed to the successful completion of the online booking system for our beauty salon. We acknowledge and appreciate the opportunity to work under their mentorship, which made this project possible.

Sr No.	INDEX	Pg. No.
1.	Project Profile	4
2.	Analysis	5
	a) Requirement Analysis	5
	b) Timeline Chart	5
	c) Tools and Technologies used	6
	d) Software Development Model used	7
	e) Work Distribution	7
3.	Design	8
4.	Implementation	15
5.	Testing	24
6.	Future Work	25

Project Profile

- Project Title : Online Appointment System For Beauty Salon
- Project Duration : 6 Months
- Team Members :
 - Mahale Ruchita (40030)
 - Makwana Keyuri (40032)
 - Patel Netra (40056)
 - Patel Vibhu (40061)

Analysis

1. Requirement Analysis

i. Software Requirement Specification :

The primary aim of the online appointment system for the salon is to provide customers with an easy and convenient way to book appointments. This system also helps customers learn about the various services offered by the salon. Additionally, customers can share their experiences and provide reviews about the services and the salon itself.

ii. Feasibility Study

▪ Economic feasibility:

- **Human Resource Cost :**

The development of the online appointment system for the beauty salon involved a team of four skilled individuals with expertise in HTML, CSS, PHP, and MySQL. The cost associated with human resources includes salaries, benefits, and any additional expenses incurred for training and development. Assuming each team member is compensated at an industry-standard rate, the total human resource cost can be projected based on the duration of the project (six months).

- **Operational Cost :**

- **Development Tools:** Costs associated with software tools such as Visual Studio Code, local development servers like XAMPP, and version control systems like Git and GitHub.
- **Maintenance and Updates:** Ongoing expenses for system maintenance, updates, and troubleshooting to ensure the system runs smoothly.

▪ Technical feasibility:

This website is developed using HTML, CSS, and PHP. The front-end of the project is implemented with HTML and CSS, while the back-end is developed using PHP and MySQL. The Apache web server is utilized for this project. The code is written in Visual Studio Code, and local development servers such as XAMPP are employed. In conclusion, creating an online salon appointment system is highly technically feasible.

▪ Schedule feasibility:

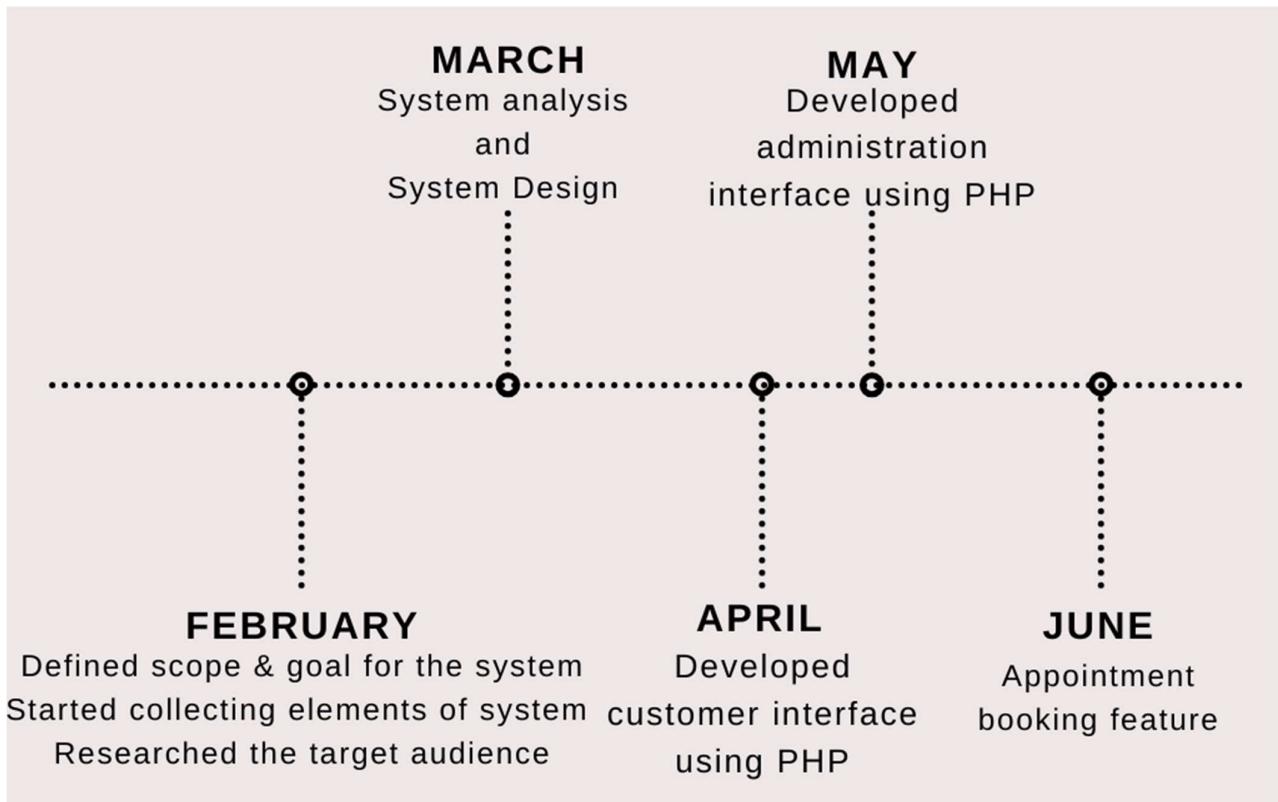
The project deadline was set for six months. The initial two weeks were dedicated to project planning and requirements gathering. Subsequently, one month was allocated to designing use cases and data flow diagrams. Following this phase, the website

development commenced. The homepage was first created using HTML and CSS, followed by the development of the login and registration pages using HTML, CSS, and PHP. Thereafter, the admin pages, review page, user profile page, and appointment booking section were developed.

- **Resource feasibility:**

Resource feasibility outlines the essential resources required to complete the project. A team of four individuals with expertise in HTML, CSS, and PHP was involved. The code was written using Visual Studio Code. Local development servers, such as XAMPP, and version control systems, including Git and GitHub, were utilized.

2. Timeline Chart



3. Tools and Technologies used

i. Tools

- Visual Studio Code
- XAMPP
- GitHub

ii. Online Tools

- Canva
- App.diagrams.net

iii. Technologies

- HTML
- CSS
- JavaScript
- PHP

4. Work Distribution

i. Ruchita Mahale (40030) :

Frontend of website and appointment booking feature

ii. Keyuri Makwana (40032) :

All login and registration pages developed using HTML and CSS. The admin-side navigation bar implemented using CSS and HTML.

iii. Netra Patel (40056) :

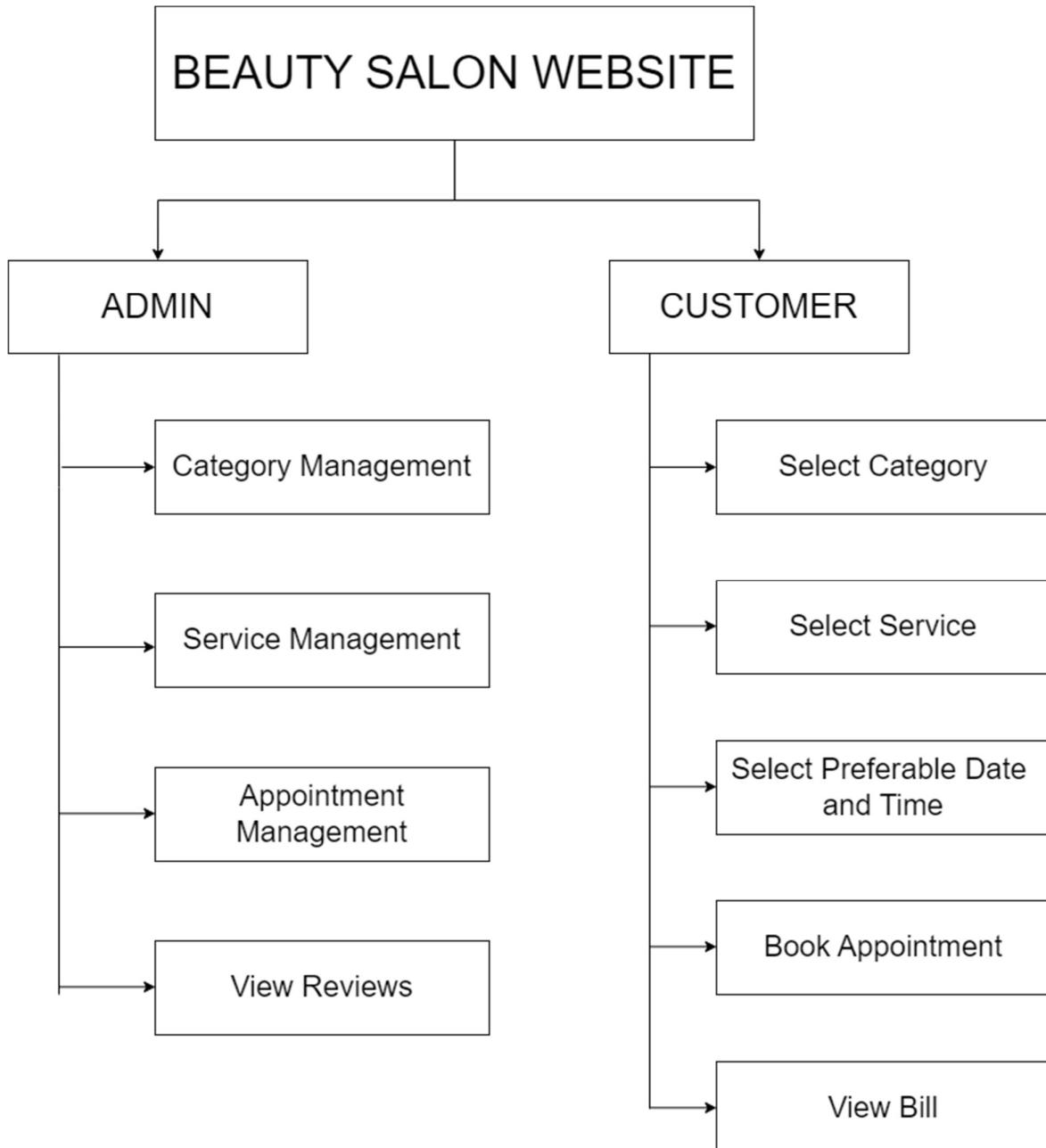
PHP in all login and registration page i.e. admin and customer
PHP in my profile page, reviews and admin side customer details page and gallery

iv. Vibhu Patel (40061) :

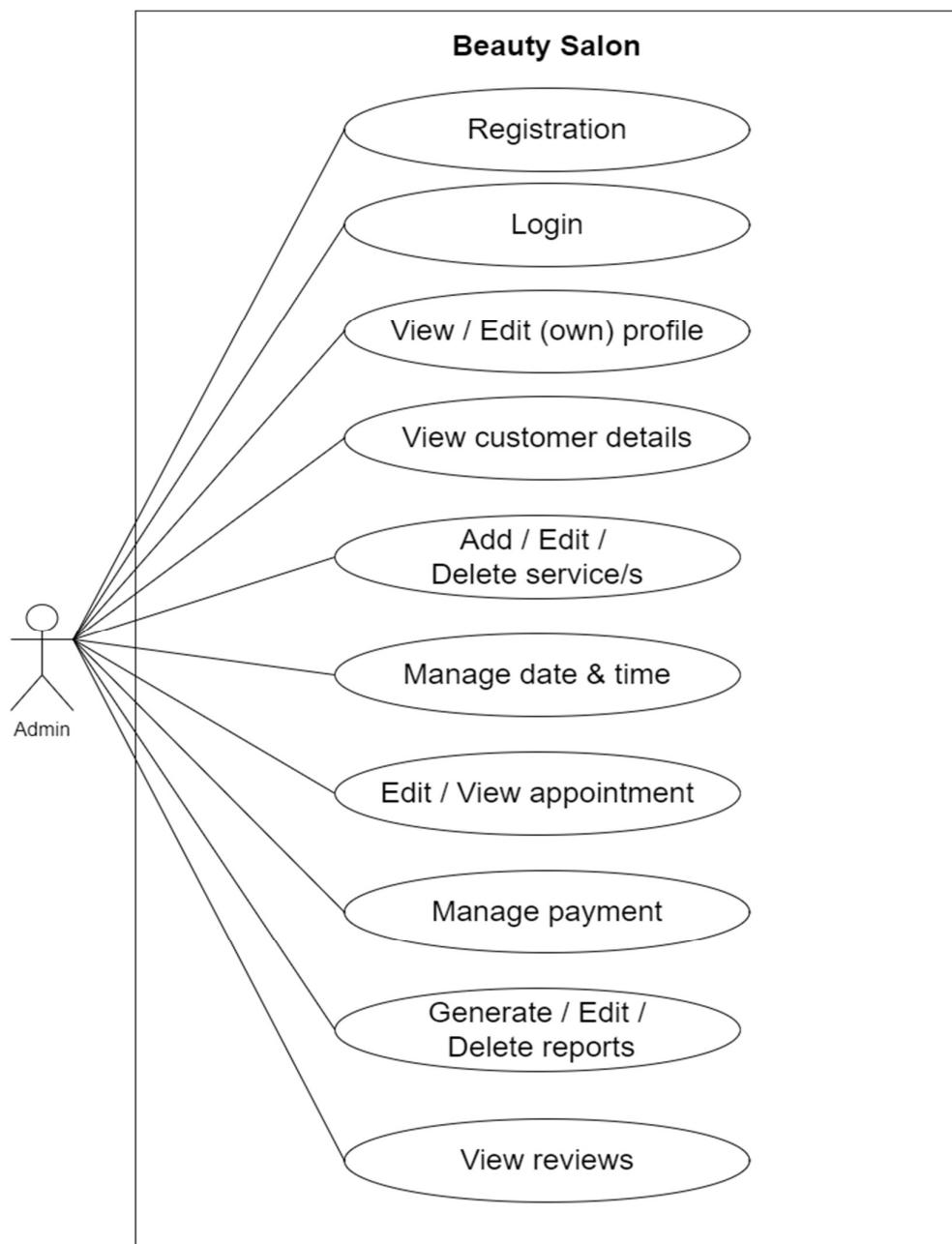
Book appointment, review, contact, about as page

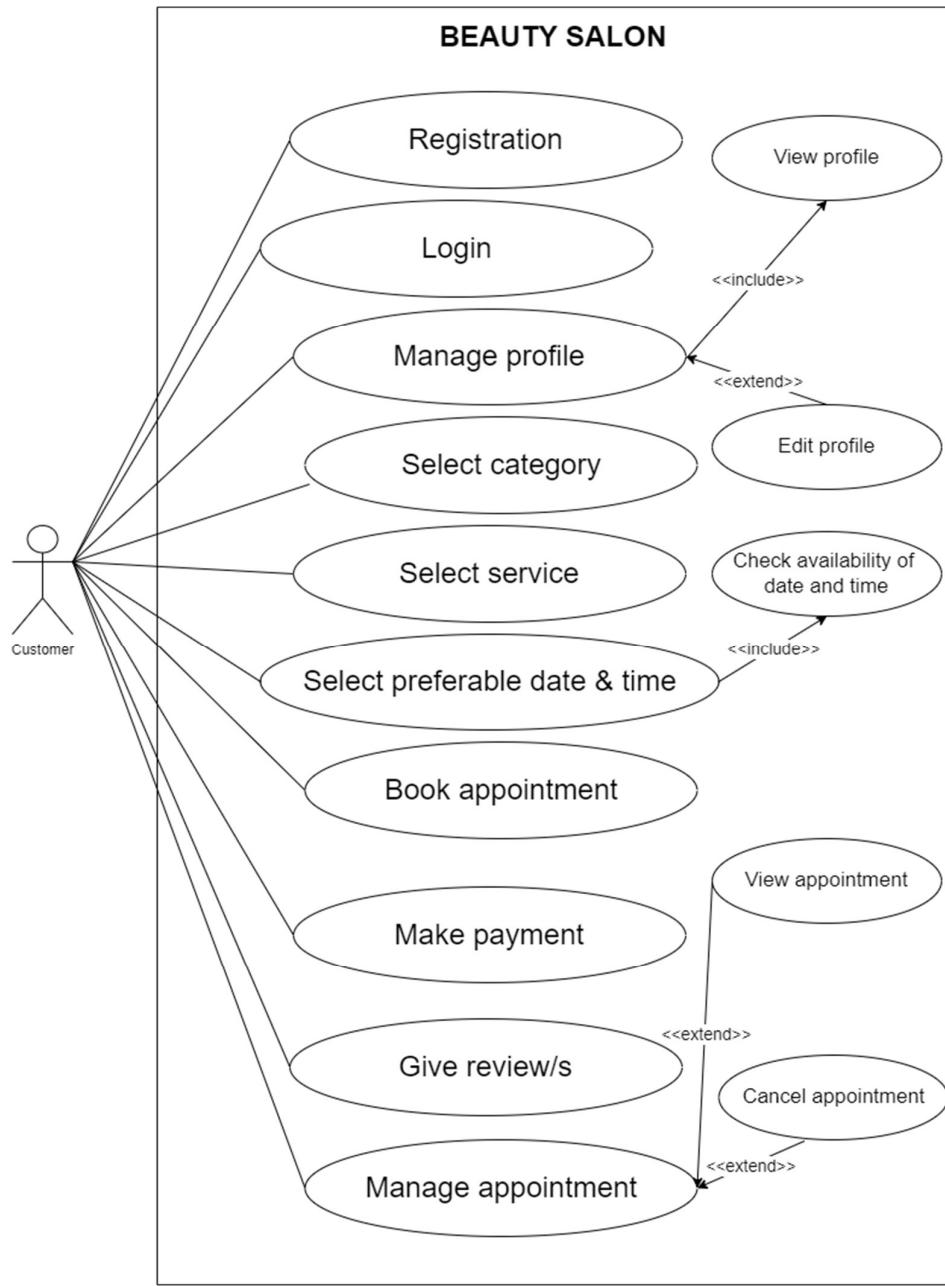
5. Design

i. Module Hierarchy

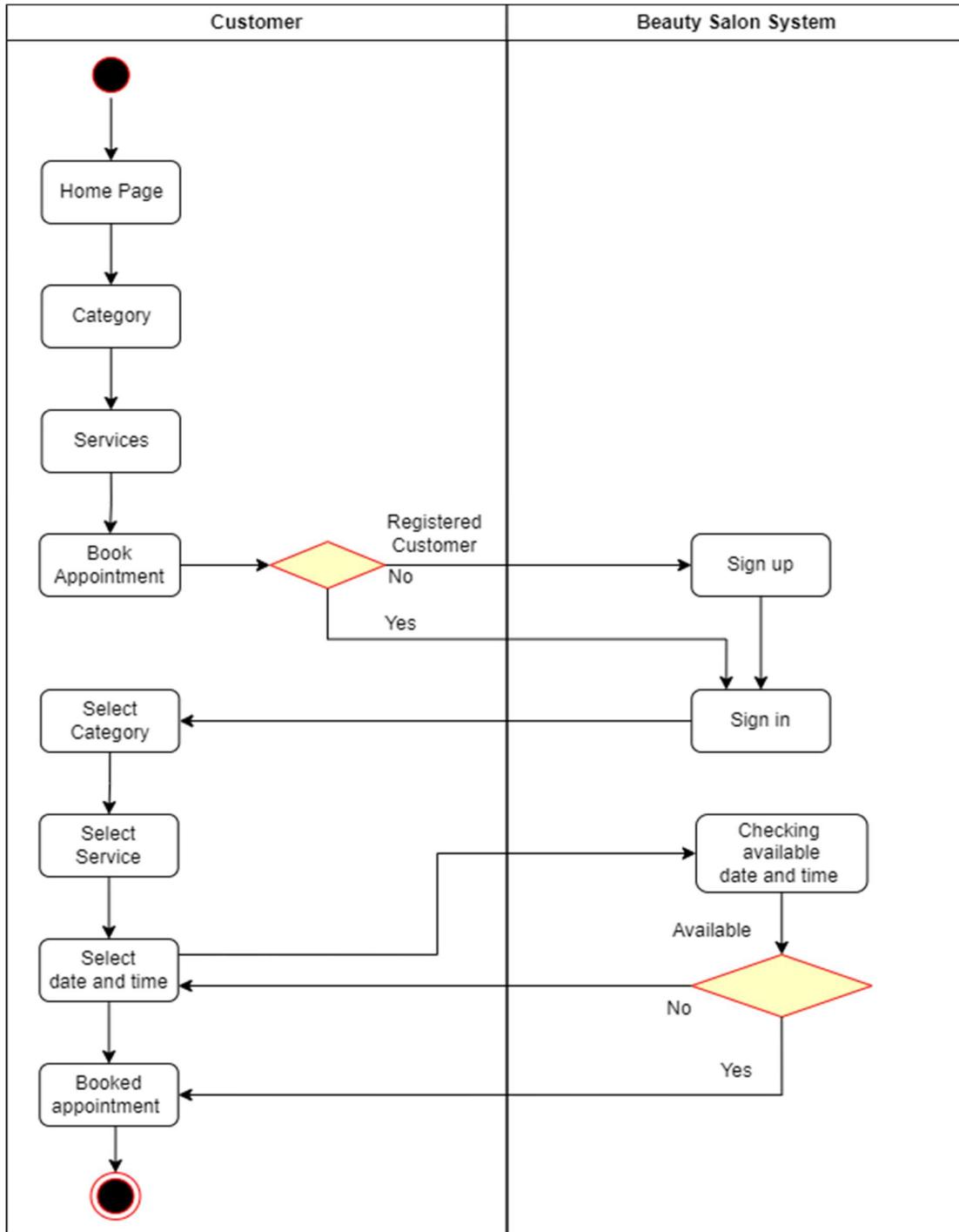


ii.Use Cases

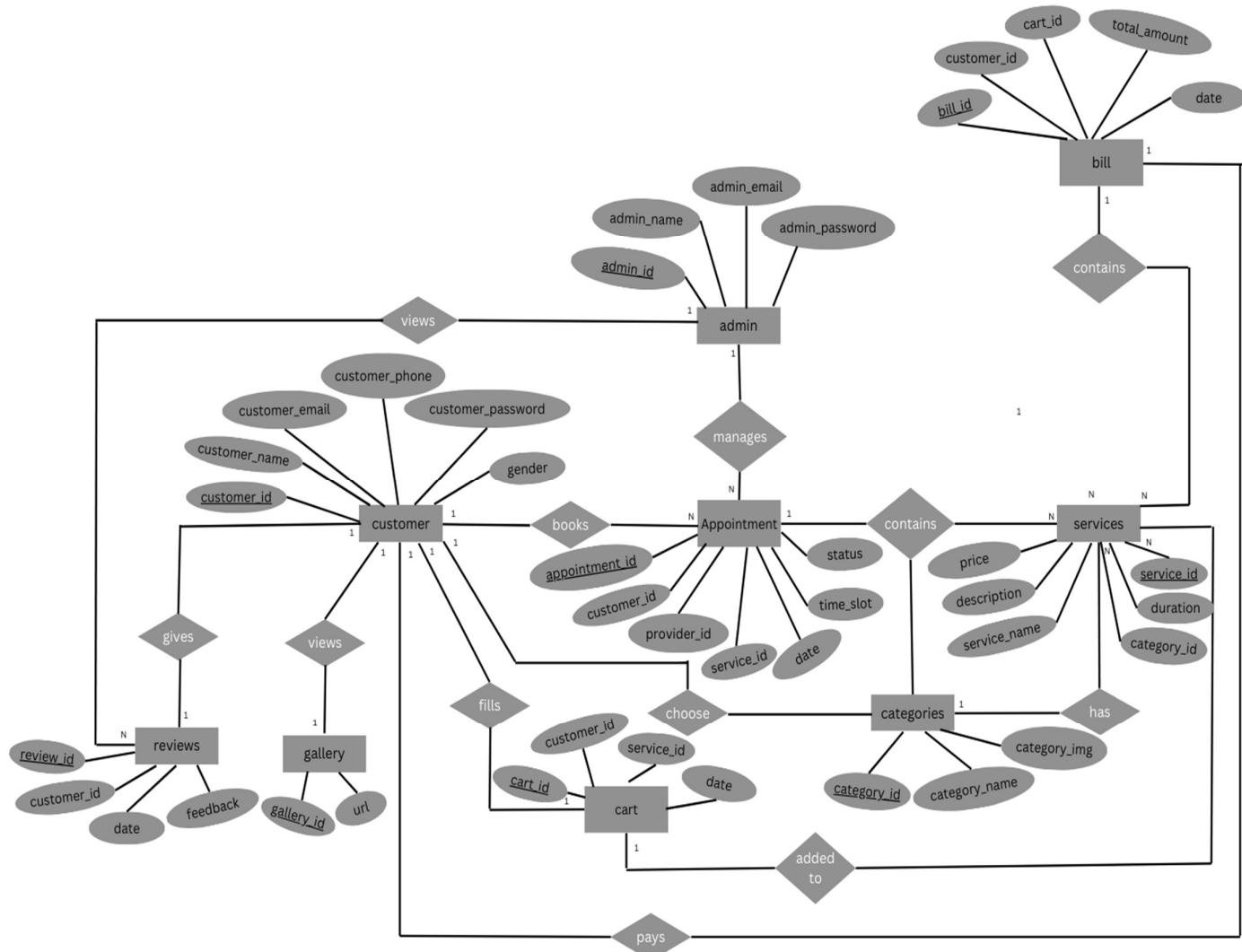




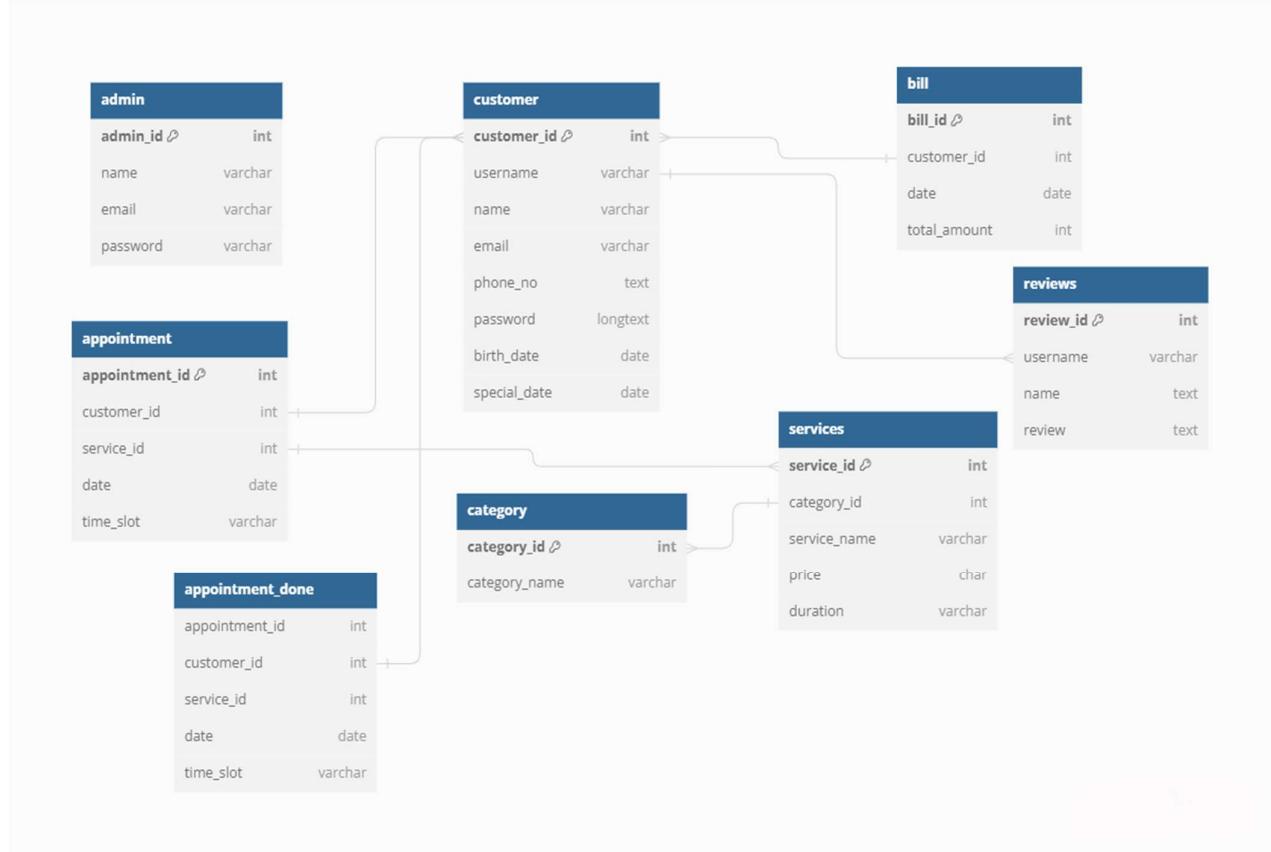
iii. Activity Diagram



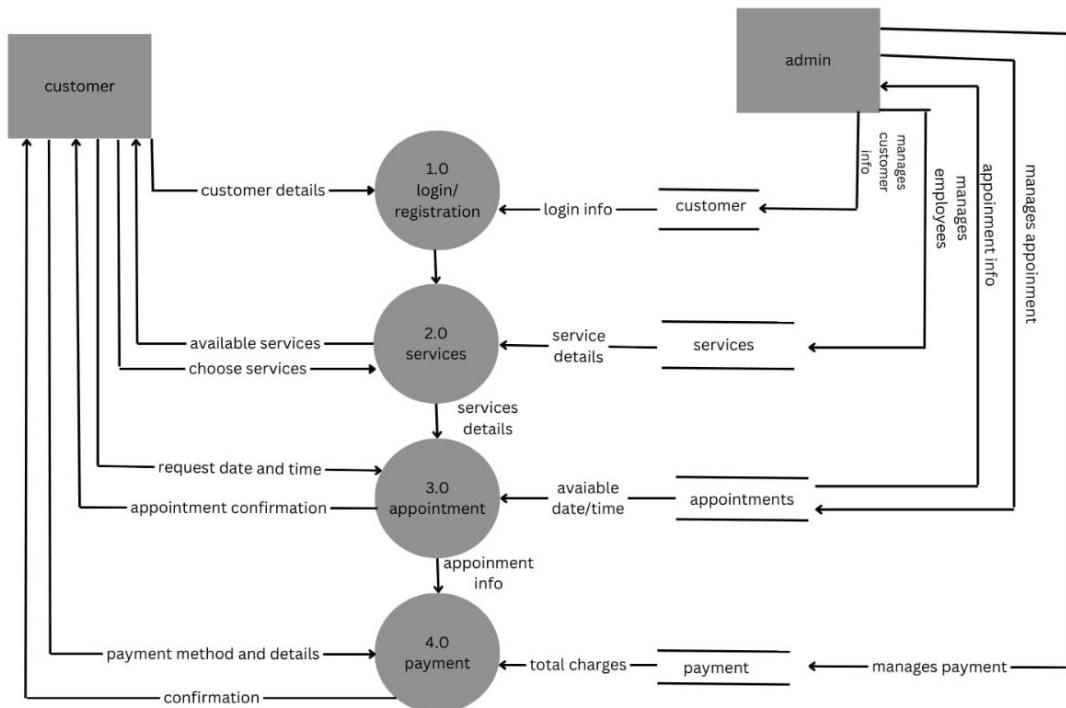
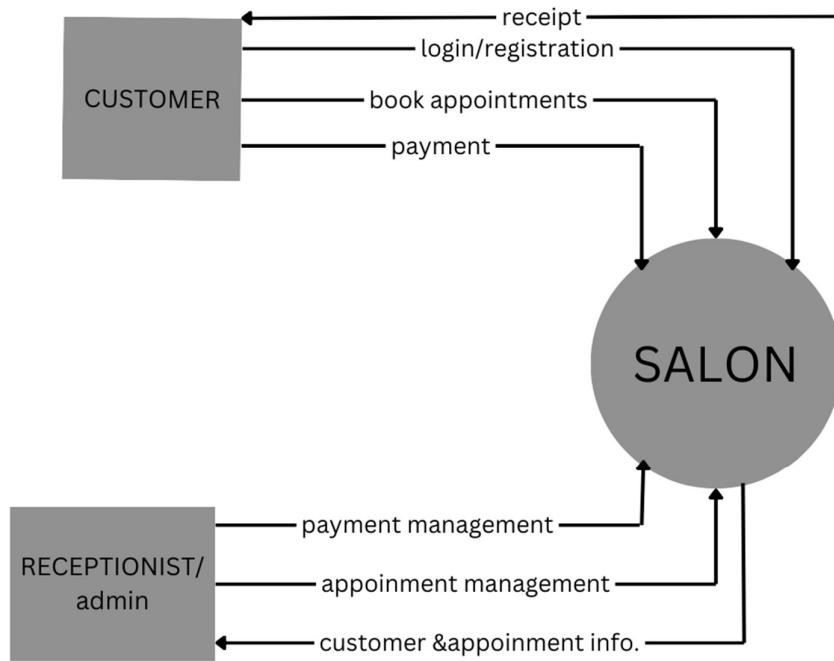
iv. ER Diagram



v. Database Design



vi.DFD Diagram



6. Implementation

i. Data in Database

Customer

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	customer_id	username	name	email	phone_no	password	birth_date	special_date
<input type="checkbox"/>				1	alice1123	Alice Smith	alice.smith@example.com	NULL	\$2y\$10\$Em8eqj0DPPEurucm9J9neekXmC2GHNbCDDWx4JxifD...	NULL	NULL
<input type="checkbox"/>				2	bob1124	Bob Johnson	bob.johnson@example.com	NULL	\$2y\$10\$Ow1K3fUfhwNSgb653YFuTqMXMTVCp6JuDWgCgBT1M...	NULL	NULL
<input type="checkbox"/>				3	charlie1125	Charlie Brown	charlie.brown@example.com	NULL	\$2y\$10\$FnqbmWfBxGdW49SbGzrl7E6p.Q8a8DcPnLQmRD...	NULL	NULL
<input type="checkbox"/>				4	david1126	David Williams	david.williams@example.com	9123456783	\$2y\$10\$IQ93HGAjpu1ukC5Tj7krefbQmuisQEZWkHTBqVTRAJ...	1993-04-04	2020-04-04
<input type="checkbox"/>				5	emma1127	Emma Jones	emma.jones@example.com	9123456784	\$2y\$10\$bgEzk9uS/GIE88PvtTTQ2yXoFm2xHwM.gADu2e0p...	1994-05-05	2020-05-05
<input type="checkbox"/>				6	frank1128	Frank Martin	frank.martin@example.com	9123456785	\$2y\$10\$SC4110N0X0wVNNLTMjH.u0gFoeangl0JmfwBtT1U...	1995-06-06	2020-06-06
<input type="checkbox"/>				7	grace1129	Grace Lee	grace.lee@example.com	9123456788	\$2y\$10\$sv7ODEvCvnORanOrntFRWP.u1Yes9EWW1uqt3ON4nm...	1996-07-07	2020-07-07
<input type="checkbox"/>				8	henry1130	Henry Walker	henry.walker@example.com	9123456787	\$2y\$10\$52OUur2ZeBS947ddylmAqf7iPHDZhwaBrlyuh7reR...	1997-08-08	2020-08-08
<input type="checkbox"/>				9	isabella1131	Isabella Hall	isabella.hall@example.com	9123456788	\$2y\$10\$Spwj4HVLTel1HjVpnru7klR5e04.w/H1kz/CIXU...	1998-09-09	2020-09-09
<input type="checkbox"/>				10	jack1132	Jack King	jack.king@example.com	9123456789	\$2y\$10\$SSvCdOmEckilog8T09yyt1OxAC8-htdakDlhZ7Q6NH9...	1999-10-10	2020-10-10
<input type="checkbox"/>				11	karen1133	Karen Scott	karen.scott@example.com	9123456790	\$2y\$10\$b8bCe2vW5l/MjYYK.Qg2cmauQb0kn5Wy5CvdBTGwbgL...	1999-11-11	2020-11-11
<input type="checkbox"/>				12	larry1134	Larry Young	larry.young@example.com	9123456791	\$2y\$10\$smQIHJEEws1RnHg4pYbvbNuVqdhsrYIq.IZBrCp1r5R...	1999-12-12	2020-12-12
<input type="checkbox"/>				13	mona1135	Mona Green	mona.green@example.com	9123456792	\$2y\$10\$1DvOJ7UALCa/oGKdlyBb.NIOXsPS8Qic.bYE03sC...	1999-01-13	2020-01-13
<input type="checkbox"/>				14	nathan1136	Nathan Adams	nathan.adams@example.com	9123456793	\$2y\$10\$KjyR59UvCeApz96FLGWvj.2F4/EBmVAxh.MmhInMxPl...	1993-02-14	2020-02-14
<input type="checkbox"/>				15	olivia1137	Olivia Nelson	olivia.nelson@example.com	9123456794	\$2y\$10\$saNW19sMF5O1/bp03HwX9.X785nZObBLJcXTE/rnXj...	1994-03-15	2020-03-15
<input type="checkbox"/>				16	peter1138	Peter Carter	peter.carter@example.com	9123456795	\$2y\$10\$SRK1CnjaPtege54APkeGWEKlw.luGcyJUdb1WzstY...	1995-04-16	2020-04-16
<input type="checkbox"/>				17	quincy1139	Quincy Rivera	quincy.rivera@example.com	9123456796	\$2y\$10\$6869nWp7j127nY.NNOMJi.cyU2r5JCaRqc.1M2kP5pZ...	1998-06-17	2020-05-17
<input type="checkbox"/>				18	rachel1140	Rachel Gomez	rachel.gomez@example.com	9123456797	\$2y\$10\$Ywcea567sOF5.1kCumZRgeuB9/7RjPTA2qFCPmzgl...	1997-06-18	2020-06-18
<input type="checkbox"/>				19	netra123	Netra Patel	netra@gmail.com	9864887727	\$2y\$10\$QUh0JWxn27ccbN7465geu07pPL092zPZ/FPFP.EX...	2004-11-13	2024-04-17
<input type="checkbox"/>				20	Ruchita123	Ruchita Mahale	ruchita@gmail.com	NULL	\$2y\$10\$Up9oG7Bt8ozzC4Jcke4g.tSq0TL0gF3.KvdJFxnm...	NULL	NULL
<input type="checkbox"/>				21	vibhu123	Vibhu	vibhu@gmail.com	NULL	\$2y\$10\$tm0NAffu9JwOnYbx8jxIIKyFWjgnxQHdaW7...	NULL	NULL

Category

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	category_id	category_name
<input type="checkbox"/>				1	Skin Care
<input type="checkbox"/>				2	Hair Cut
<input type="checkbox"/>				3	Nail Care
<input type="checkbox"/>				4	Makeup

Service

	 Edit	 Copy	 Delete	service_id	category_id	1	service_name	price	duration
<input type="checkbox"/>	 Edit	 Copy	 Delete	3		4	HD(High Definition) Makeup	Rs. 2500	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	10		4	Matte Makeup	Rs. 2500	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	9		4	Dewy Makeup	Rs. 2000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	8		4	Party Makeup	Rs. 5000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	7		4	Engagement Makeup	Rs. 10000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	6		4	Bridal Makeup	Rs. 20000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	5		4	Eye Makeup	Rs. 1000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	4		4	Celebrity Makeup	Rs. 15000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	29		3	Classic Gel Nail Extension	Rs. 600	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	30		3	Gum Gel Nail Extension	Rs. 1000	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	31		3	Press-on Nails	Rs. 500	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	32		3	Basic Manicure	Rs. 800	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	34		3	Gel Manicure	Rs. 1100	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	35		3	Aromatherapy Manicure	Rs. 1200	60 minutes
	 Edit	 Copy	 Delete	service_id	category_id	1	service_name	price	duration
<input type="checkbox"/>	 Edit	 Copy	 Delete	36		3	Nail Art	Rs. 1200	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	37		3	Acrylic Nails	Rs. 1800	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	38		3	Polish Change	Rs. 300	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	33		3	French Manicure	Rs. 1800	60 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	26		2	V Cut	Rs. 600	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	28		2	Butch Cut	Rs. 800	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	27		2	Step Cut	Rs. 1000	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	25		2	Undercut	Rs. 600	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	11		2	Straight Cut	Rs. 550	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	12		2	Bob Cut	Rs. 650	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	13		2	French Bob	Rs. 800	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	14		2	Angled Bob	Rs. 800	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	15		2	Light Layers	Rs. 600	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	16		2	Feathered Layers	Rs. 1100	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	17		2	Layered Hairs	Rs. 700	45 minutes
<input type="checkbox"/>	 Edit	 Copy	 Delete	22		2	Curtain Bangs	Rs. 500	45 minutes

	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	service_id	category_id	1	service_name	price	duration
					21		2	Curtained Hair	Rs. 2000	45 minutes
					20		2	Textured Pixie	Rs. 1100	45 minutes
					19		2	Pixie Cut	Rs. 900	45 minutes
					18		2	Blunt Cut	Rs. 750	45 minutes
					51		1	Hard Wax (Full Body)	Rs. 3500	60 minutes
					52		1	Fruit Wax (Hands only)	Rs. 1000	30 minutes
					53		1	Fruit Wax (Legs only)	Rs. 1500	30 minutes
					54		1	Fruit Wax (Full Body)	Rs. 4000	60 minutes
					55		1	Chocolate Wax (Hands only)	Rs. 1200	30 minutes
					56		1	Chocolate Wax (Full Body)	Rs. 3700	60 minutes
					57		1	Chocolate Wax (Legs Only)	Rs. 2000	30 minutes
					58		1	Cartridge Wax (Hands only)	Rs. 800	30 minutes
					59		1	Cartridge Wax (Legs only)	Rs. 1500	30 minutes
					50		1	Hard Wax (Legs only)	Rs. 1300	30 minutes
					49		1	Hard Wax (Hands only)	Rs. 900	30 minutes
					48		1	Soft Wax (Full Body)	Rs. 3000	60 minutes
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	service_id	category_id	1	service_name	price	duration
					39		1	Classic Facial	Rs. 1200	60 minutes
					40		1	Brightening Facial	Rs. 1600	60 minutes
					41		1	Hydrating Facial	Rs. 1500	60 minutes
					42		1	Fruit Facial	Rs. 1250	60 minutes
					43		1	Face Cleanup	Rs. 800	60 minutes
					44		1	DeTan	Rs. 1000	60 minutes
					45		1	Threading (Full Face)	Rs. 400	60 minutes
					46		1	Soft Wax (Hands only)	Rs. 700	30 minutes
					47		1	Soft Wax (Legs only)	Rs. 1000	30 minutes
					60		1	Cartridge Wax (Full Body)	Rs. 2800	60 minutes

Review

	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	review_id	username	name	review
					1	netra123	netra patel	it was a nice experience

Check all With selected: Edit Copy Delete Export

ii. Developed Website

The image displays two side-by-side screenshots of a 'Sign Up' form from a web application. Both screenshots show the same form structure against a background featuring a woman's face.

Form Fields (Both Screenshots):

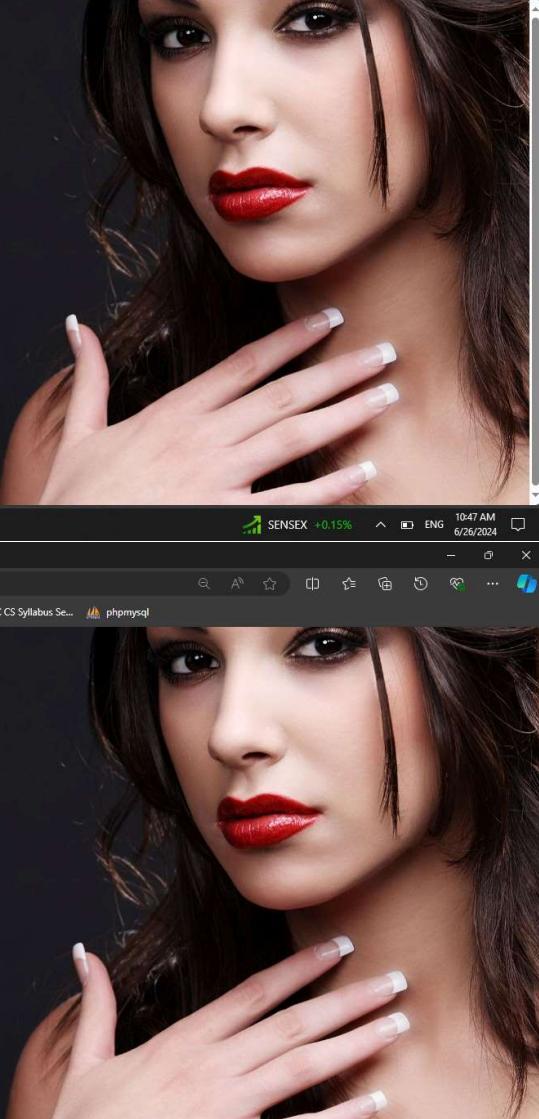
- Name: * Only letters and white space allowed
- Email: * Invalid email format
- username: *
- Password: * Password must contain at least one uppercase letter, one lowercase letter, and one number
- Confirm Password: *
- Passwords do not match

Action Buttons:

- A 'submit' button at the bottom of the form.
- A link 'Already have an account? Login' at the bottom of the form.

Environment:

- The top screenshot shows a dark-themed browser window with a taskbar below it containing various icons and system status.
- The bottom screenshot shows a light-themed browser window with a taskbar below it containing various icons and system status.



The image shows two screenshots of a web application interface. Both screenshots feature a background photograph of a woman with long dark hair and red lipstick, resting her chin on her hand.

Top Screenshot (Sign Up Page):

The title bar says "Document" and the address bar says "localhost/php_practice/project%202/registration.php". The page is titled "Sign Up". It contains five input fields: "Name" (with a person icon), "Email" (with a mail icon), "username" (with a person icon), "Password" (with a lock icon), and "Confirm Password" (with a lock icon). Below the fields is a "submit" button. At the bottom, there is a link "Already have an account? Login".

Bottom Screenshot (Login Page):

The title bar says "Document" and the address bar says "localhost/php_practice/project%202/login.php". The page is titled "Login". It contains two input fields: "Username" (with a person icon) and "Password" (with a lock icon). Below the fields are error messages: "* username is required" above the username field and "* Password is required" above the password field. There is a "submit" button. At the bottom, there are links "Don't have an account? Register" and "for admin click here admin".

The image displays two side-by-side screenshots of a web application interface, likely a dashboard or user management system, running on a local host environment.

Top Screenshot (Registration Form):

- The title bar shows the URL: `localhost/final_nutra/project%202/admin_registration.php`.
- The main content area has a dark background with white text.
- The title "Register" is centered at the top.
- There are four input fields:
 - "admin_id" (empty)
 - "name" (empty)
 - "Email" (empty)
 - "Password" (empty)
- Below each input field is a red validation message:
 - * admin_id is required
 - * Name is required
 - * Email is required
- The bottom of the window shows a standard Windows taskbar with various icons and system status indicators.

Bottom Screenshot (Login Form):

- The title bar shows the URL: `localhost/final_nutra/project%202/admin_login.php`.
- The main content area has a dark background with white text.
- The title "Login" is centered at the top.
- There are two input fields:
 - "admin_id" (empty)
 - "Password" (empty)
- Below the password field is a red validation message: * Password is required.
- A large blue rectangular button contains the word "Login".
- At the bottom of the form, there is a link: "are you a customer? [login](#)".
- The bottom of the window shows a standard Windows taskbar with various icons and system status indicators.

The screenshot displays a web browser window with the URL localhost/php_practice/project%202/main.html. The page has a dark header with the logo "GGG" and a navigation menu including "HOME", "SERVICES", "GALLERY", "CONTACT", "REVIEWS", "MY PROFILE", and "LOG OUT". Below the header is a large banner featuring a woman's face and the text "Pamper Yourself with a Deluxe Hair Treatment Now 15% off". A "OUR SERVICES" section follows, containing four images labeled "Skin Care", "Hair Cut", "Nail Care", and "Make-Up". At the bottom, there is a "Contact Us" section with address and phone number information, social media links, and a copyright notice.

GGG

HOME SERVICES GALLERY CONTACT REVIEWS MY PROFILE LOG OUT

Pamper Yourself
with a Deluxe
Hair Treatment
Now 15% off

OUR SERVICES

Skin Care Hair Cut Nail Care Make-Up

Contact Us
GGG Beauty Salon
Ahmedabad, Gujarat, 383052
Phone: 123-456-7890

© 2024 Beauty Salon. All Rights Reserved. [Terms & Conditions](#)

GGG

HOME SERVICES GALLERY CONTACT REVIEWS MY PROFILE LOG OUT

Make-Up Services

HD(High Definition) Makeup	Rs. 2500	60 minutes	Book
Celebrity Makeup	Rs. 15000	60 minutes	Book
Eye Makeup	Rs. 1000	60 minutes	Book
Bridal Makeup	Rs. 20000	60 minutes	Book
Engagement Makeup	Rs. 10000	60 minutes	Book
Party Makeup	Rs. 5000	60 minutes	Book
Dewy Makeup	Rs. 2000	60 minutes	Book
Matte Makeup	Rs. 2500	60 minutes	Book

Nail Care Services

Classic Gel Nail Extension	Rs. 600	60 minutes	Book
Gum Gel Nail Extension	Rs. 1000	60 minutes	Book
Press-on Nails	Rs. 500	60 minutes	Book
Basic Manicure	Rs. 800	60 minutes	Book
French Manicure	Rs. 1800	60 minutes	Book
Gel Manicure	Rs. 1100	60 minutes	Book
Aromatherapy Manicure	Rs. 1200	60 minutes	Book
Nail Art	Rs. 1200	60 minutes	Book
Acrylic Nails	Rs. 1800	60 minutes	Book
Polish Change	Rs. 300	60 minutes	Book

localhost/final.netra/project%202/skin_care_services.php

GGG

HOME SERVICES GALLERY CONTACT REVIEWS MY PROFILE LOG OUT

Skin Care Services

Classic Facial	Rs. 1200	60 minutes	Book
Brightening Facial	Rs. 1600	60 minutes	Book
Hydrating Facial	Rs. 1500	60 minutes	Book
Fruit Facial	Rs. 1250	60 minutes	Book
Face Cleanup	Rs. 800	60 minutes	Book
DeTan	Rs. 1000	60 minutes	Book
Threading (Full Face)	Rs. 400	60 minutes	Book
Soft Wax (Hands only)	Rs. 700	30 minutes	Book
Soft Wax (Legs only)	Rs. 1000	30 minutes	Book

localhost/final.netra/project%202/hair_cut_service.php

GGG

HOME SERVICES GALLERY CONTACT REVIEWS MY PROFILE LOG OUT

Hair Cut Services

Straight Cut	Rs. 550	45 minutes	Book
Bob Cut	Rs. 650	45 minutes	Book
French Bob	Rs. 800	45 minutes	Book
Angled Bob	Rs. 800	45 minutes	Book
Light Layers	Rs. 600	45 minutes	Book
Feathered Layers	Rs. 1100	45 minutes	Book
Layered Hairs	Rs. 700	45 minutes	Book
Blunt Cut	Rs. 750	45 minutes	Book
localhost/final.netra/project%202/appointment.php?id=14	Rs. 900	45 minutes	Book

7. Testing

Sr No	Date	Exact Outcome	Expected Outcome	Status
1	26/06/24	Registration page accepts valid characters only	Registration page allows only valid characters	Pass
2	26/06/24	Login page converts username to uppercase	Login page handles uppercase and lowercase usernames correctly	Pass
3	26/06/24	Service page displays all services	Service page displays all services	Pass
4	26/06/24	User receives booking confirmation message	User receives booking confirmation message within 1 minute	Pass
5	26/06/24	Image gallery loads all images correctly	Image gallery displays all images without errors	Pass
6	26/06/24	Price list is visible and correct	Price list matches the salon's current pricing	Pass
7	26/06/24	User can login and access their profile	User can login and access profile without issues	Pass
8	26/06/24	Booking history is accurate	Booking history matches the user's bookings	Pass
9	26/06/24	Review section allows submission	Review section allows users to submit reviews	Pass

8. Future Work

- Parallel booking of services
- Gallery handled by admin
- Admin will be able to add appointments by itself (i.e. if there is offline booking)
- Add payment method