



Project Title: Online Event Management System

Submitted By

Shek Rasel
ID: 192-35-457
Department of Software Engineering
Daffodil International University

Supervised By

Afsana Begum
Assistant Professor & Coordinator M.Sc
Department of Software Engineering
Daffodil International University

Approval Page

APPROVAL

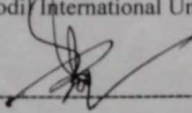
This project titled on "Online Event Management System", submitted by **Student Name (ID: 192-35-457)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS



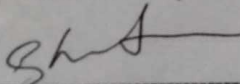
Chairman

Dr. Imran Mahmud
Associate Professor & Head
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University



Internal Examiner 1

Md. Maruf Hasan
Associate Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University



Internal Examiner 2

Md. Shohel Arman
Assistant Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University



External Examiner

Dr. Md. Sazzadur Rahman
Professor
Institute of Information Technology
Jahangirnagar University

Declaration

DECLARATION

I hereby declare that I have done this project under the supervision of **Afsana Begum Assistant Professor & Coordinator M.Sc.** Department of Software Engineering, Daffodil International University. I also declare that, this project is my original work for the degree of B.Sc. in Software Engineering and that neither the whole work nor any part has been submitted of another degree in this or any other university .

Rasel
.....

Shek Rasel

ID: 192-35-457

Department of Software Engineering

Daffodil International University

Certified by:

Afsana Begum
.....

Afsana Begum

Assistant Professor & Coordinator M.Sc

Department of Software Engineering

Daffodil International University

Acknowledgement

To complete my project I put lots of effort on this. Without the help of my advisor I can't make it completed. So her contribution is significant. She helps me so much, what should I do? When to do it? Show me the right track. Even if I make a mistake, she tells me to correct it.

My heartfelt appreciation to Daffodil International University for their support. Especially I want to thank Afsana Begum for her lots of guidance and advice. Her continuous support and monitoring help me to do many complex things and whenever I get stuck she helps me. Finally I am able to complete my project.

Project Summary

Event Management system is an application that offers users multiple services like Birthday party service, Wedding service, photographic service, office managing or decoration service etc. where users do many things. Like they can add, remove, buy , show pending events etc. And a special functionality is vendors can register and display their services. It means they can connect to my application and it will be a business platform . This application is user friendly and responsive for all types of devices.

Table of Topics

Contents

Approval Page	ii
Declaration	iii
Acknowledgement	iv
Project Summary	v
Table of Topics	vi
CHAPTER 1	1
1.1 Project Outline	1
1.2 Project Goal	1
CHAPTER 2	1
System Analysis	1
2.1 Possibility Analyze	1
2.1.1 Technical Possibility	1
2.1.2 Functional Feasibility	1
2.2 Requirements of function	1
2.3 System Requirements	2
2.4 Non-Functional Requirements	3
2.5 Performance	3
CHAPTER 3	4
3.1.1 Use Case Diagram	4
3.2 Use case descriptions	5
3.2.1 Sign In / Sign Up:	5
3.2.2 Seller Sign Up:	5
3.2.3 Verify Service:	6
3.2.4 Manage Booking:	6
3.2.5 Payment:	7
3.2.6 Seller Handle:	7
3.2.7 Message/Notifications:	7
3.3 Activity Diagram	8
3.3.1 Sign Up and Sign In	8
3.3.2 Add / manage and admin verify	9
3.3.3 Handle Booking System and payment	10
3.3.5 Notifications	11

3.4 Sequence Diagram	12
3.4.1 Admin workflow	12
3.4.2 Seller workflow	13
3.4.3 User workflow	14
3.5 ERD Diagram	15
CHAPTER 4	16
Development Tools & Technology	16
4.1 Develop System	16
4.2.1 Frontend:	16
CHAPTER 5	17
User Manual	17
5.1 Home page	17
5.2 Sign up	18
5.3. Login Page	19
5.4. User Dashboard	20
5.5. Contact Page	21
5.6. Seller Add services	22
5.8. Costumes Collection	24
5.9. Costumes Collection Details	25
5.10. Photographer Collection	26
5.11. single photographer details	27
5.12. makeup Artists Collection	28
5.13 Single Makeup details	29
5.14. Venue Collection	30
5.15. Single Venue details	31
5.16 Payment	32
5.17. Admin Dashboard and All user	33
5.18. All Booking	34
6.1 End of Project :	35

CHAPTER 1

Outline

1.1 Project Outline

Event Management is a web platform that is designed for simplifying the organization and many types of events like weddings, birthday parties, office organizing, photoGraphy and many more. This web application connects the users here who need event services and sellers can add their own services meaning they can host their service into these systems. It offers communications between the event organizer and the seller who wants to host or add service here.

1.2 Project Goal

Event Management System's main goal is to simplify the complexity of planning events by offering a unified system and adding together service providers and users who are the customers. The project goal of below purpose:

1.2.1 Recommended System

1.2.1.1 This system allows users to browse, compare and handle various event-related services and products. Main features of the recommended system:

> **User Sign UP and Profiles** : Users can create an account, modify their profiles, handle their event , and make search services.

>**Seller Dashboard** : Sellers have their own dashboard where they can add information and their services.

>**Handle and Reservation System**: For multiple services users can easily book their preferences .

>**Payment Integration** : Users can easily pay for which services they select. For development mode use stripe payment gateway. which is also very useful.

CHAPTER 2

System Analysis

2.1 Possibility Analyze

The possibility analysis of the Event Management project at whether and looks good if it will work well. These include checking:

2.1.1 Technical Possibility

Technical Possibility means looking at the tools and all kinds of equipment which we need to build and use the system. We check it and after that if it works well with the stuff we already have. If it can grow with more users and if it can connect with other systems we use.

Technical feasibility examines the tools, technology, and resources required to build and run the system (Kendall & Kendall, 2014).

2.1.2 Functional Feasibility

Functional Feasibility ensures that we can use the system in our real life. We look at and check whether people will like using it, if they need special training to use it, and next time if the system faces any problems we need to fix before it can.

Functional feasibility assesses whether the system can be effectively used in real-world scenarios (Satzinger, Jackson, & Burd, 2015).

2.2 Requirements of function

The functional requirements of Event Management System the important features which are needed for users and business. Here are these include:

>User Sign Up and Sign In : Users can create their account and can safely sign in and can update their profile.

>Booking and Payment : Allow users to handle booking, payment with stripe which is right now in development mode, and browse services details.

>Admin checking : Admin has the power that seller details are correct or not before they host their service or post it on these systems.

>Seller services/event upload: sellers can easily add their service/event with relevant information like name price date location etc.

>Interface: The UI is simple. so that users can easily add their own preferences.

2.3 System Requirements

These requirements tell which tools are needed for the system and help to make these systems.

here are they :

>Server Needs: It decides which type of server, hosting, and database is needed.

>Client Needs : which kind of devices and browsers use the users for the best experience

>Database Set: How will be the database table ,connections , and their storage.

2.4 Non-Functional Requirements

Here are the all non-functional requirements:

- >Usability : It ensures that every one can easily use it.
- >Readability : Ensure Minimal downtime and readability.
- >Security : While signing up , payment and handling booking with security.

2.5 Performance

It considers how much load it can maintain. Like heavy traffic.

This involves:

- >Load Balance
- >Scalability testing
- >So many Users.

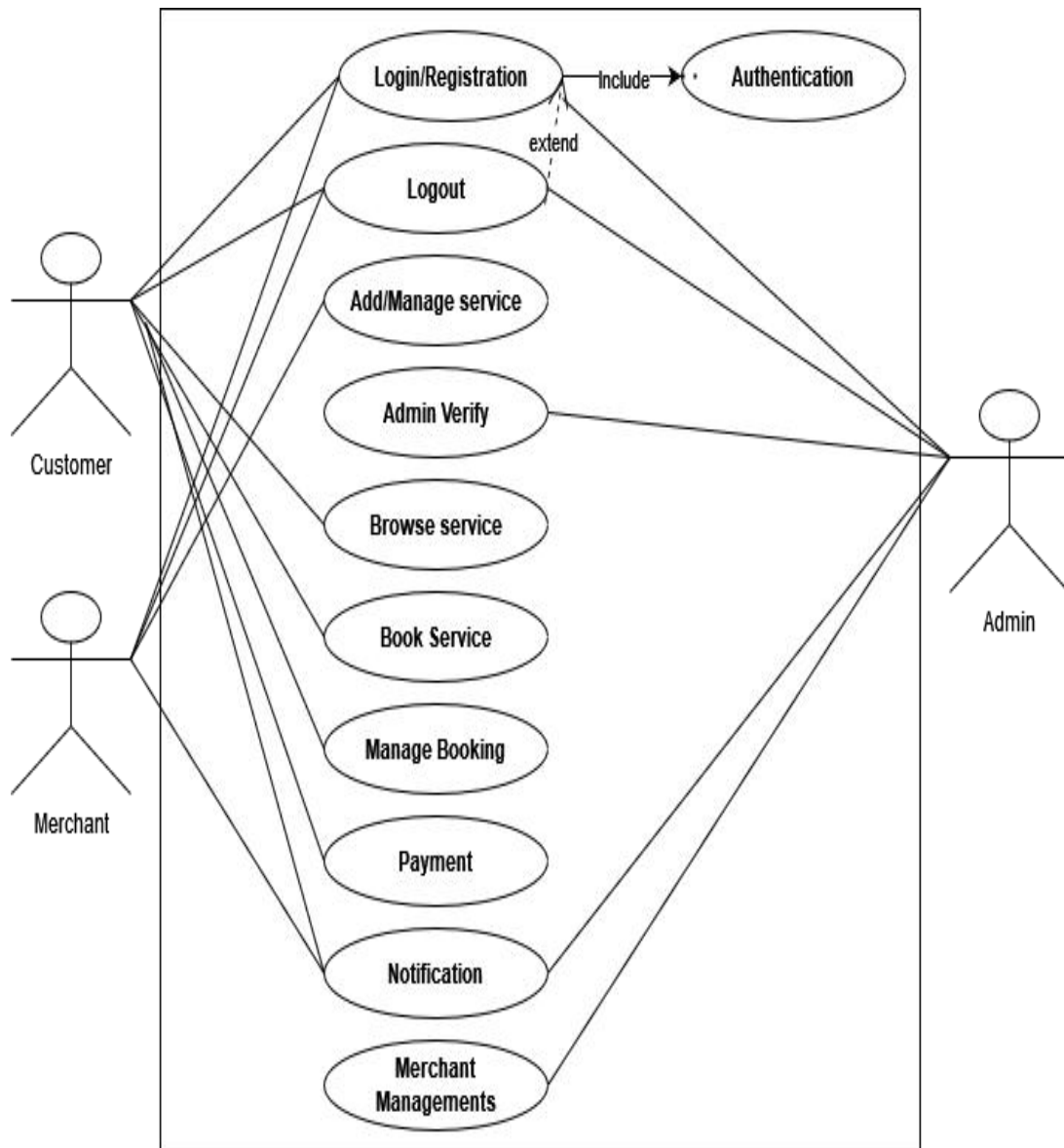
CHAPTER 3

System Design

3.1 Development Model

3.1.1 Use Case Diagram

Use Case Diagram



3.2. Use case descriptions

3.2.1. Sign In / Sign Up:

Actor	User
Explanation	Users can sign in their existing account and also sign up.
Basic flow	3.2.1.1. Users give necessary information and click the sign up button then can sign up. 3.2.1.2 If the Provided Information correct then sign up otherwise get a error message 3.2.1.3 If you already have no account then need to sign up first. 3.2.1.4 Sign up for relevant information : Name , password email, photo.

3.2.2. Seller Sign Up:

Actor	Seller
Explanation	Sellers can sign up to add their services.
Basic flow	3.2.2.1 Seller Sign in to their account. 3.2.2.2 If they sign in then they are visible to add their services. 3.2.2.3 Sellers need to provide a name, address, location , license, and service picture.

3.2.3. Verify Service:

Actor	Admin
Explanation	Admin checks the sellers and also users and verifies.
Basic flow	3.2.3.1 Admin reviews the details and images submitted by the merchant. 3.2.3.2 If uploaded information match then the seller can host their services

3.2.4. Manage Booking:

Actor	Customer
Explanation	Users can view all types of services and can handle / add/ manage.
Basic flow	3.2.4.1 Users sign in their account 3.2.4.2 Users can add their preferences services. 3.2.4.3 Users can delete the chosen service and again add. and can pay.

3.2.5. Payment:

Actor	Users
Explanation	Users can make payment by clicking the pay button.
Basic flow	3.2.5.1 Then users are directed to the payment page. 3.2.5.2 Users need to give details(e.g card number, email). 3.2.5.3 The stripe then processes the payment.

3.2.6. Seller Handle:

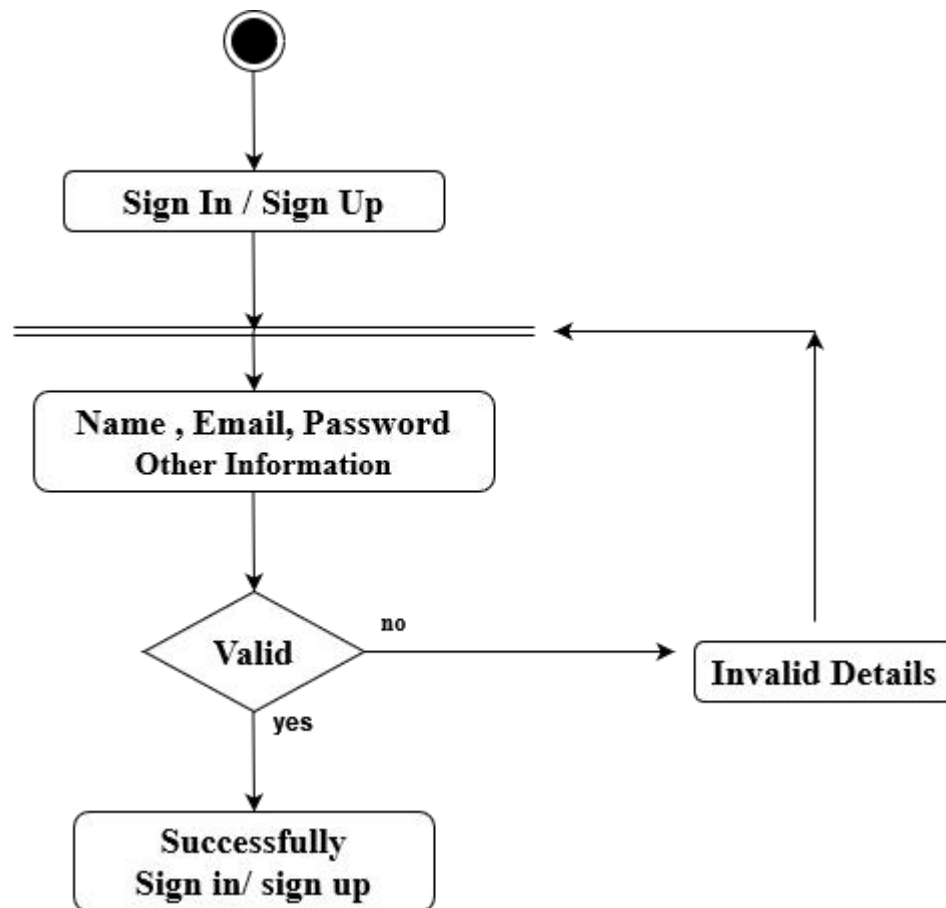
Actor	Admin
Explanation	Admin can handle the seller account.
Basic flow	3.2.6.1 Admin sign in the dashboard. 3.2.6.2 Can show the seller id. 3.2.6.3Can view, delete.
	3.2.6.4 Admin has the power to handle everythings

3.2.7.Message/Notifications:

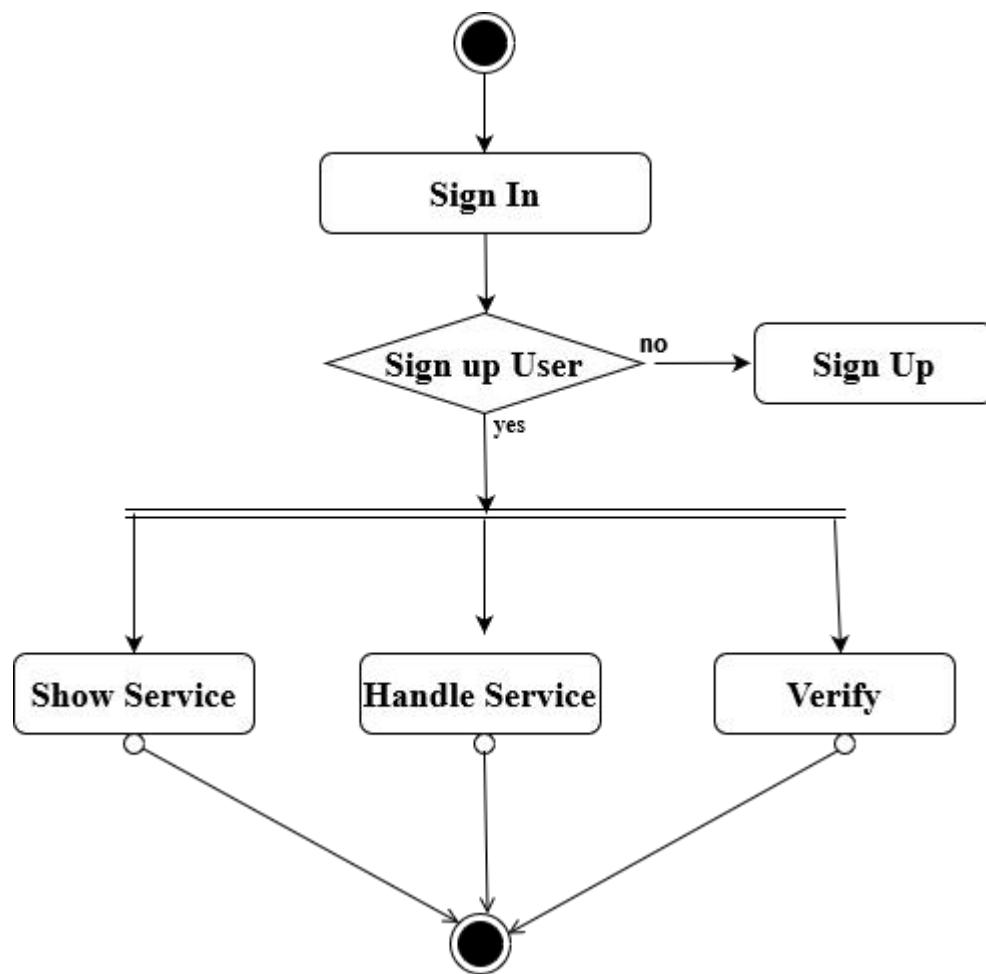
Actor	system
Explanation	It ensures the users he/she logged in or not.
Basic flow	3.2.7.1 Complete the sign up process it sends the notification that users can confirm

3.3 Activity Diagram

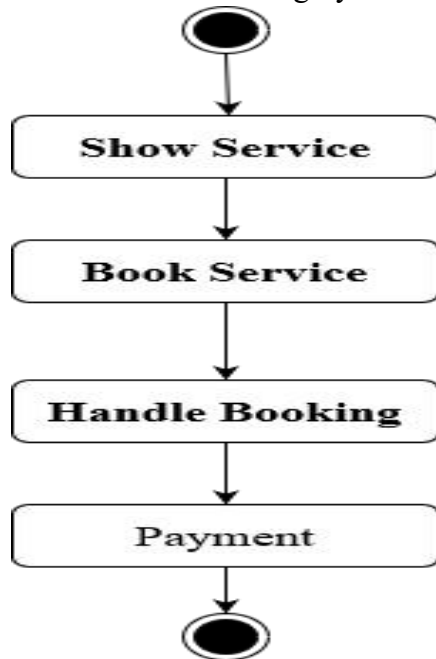
3.3.1 Sign Up and Sign In



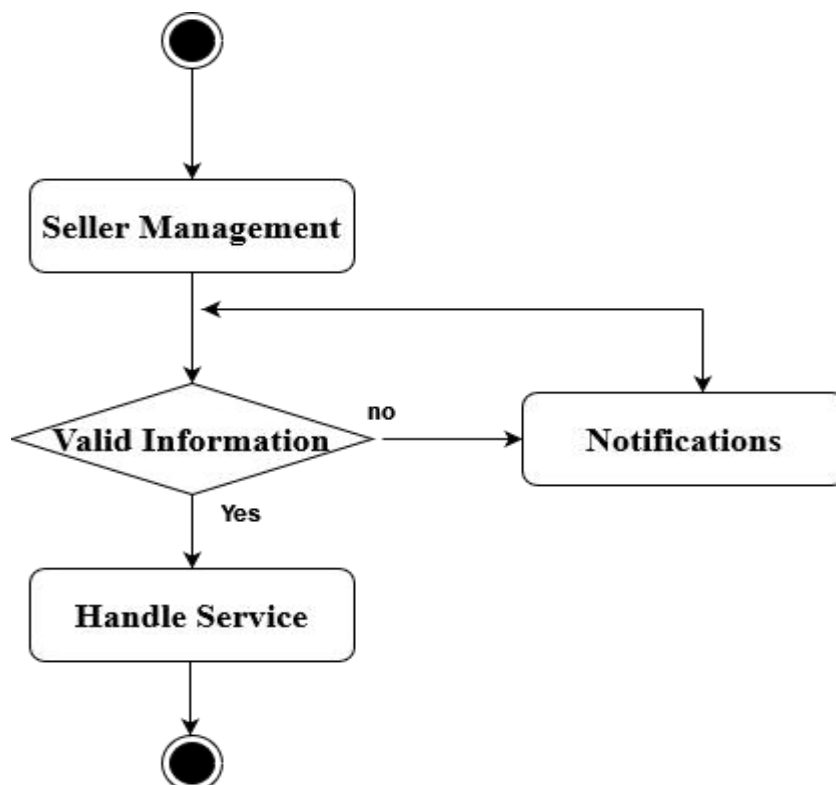
3.3.2 Add / manage and admin verify



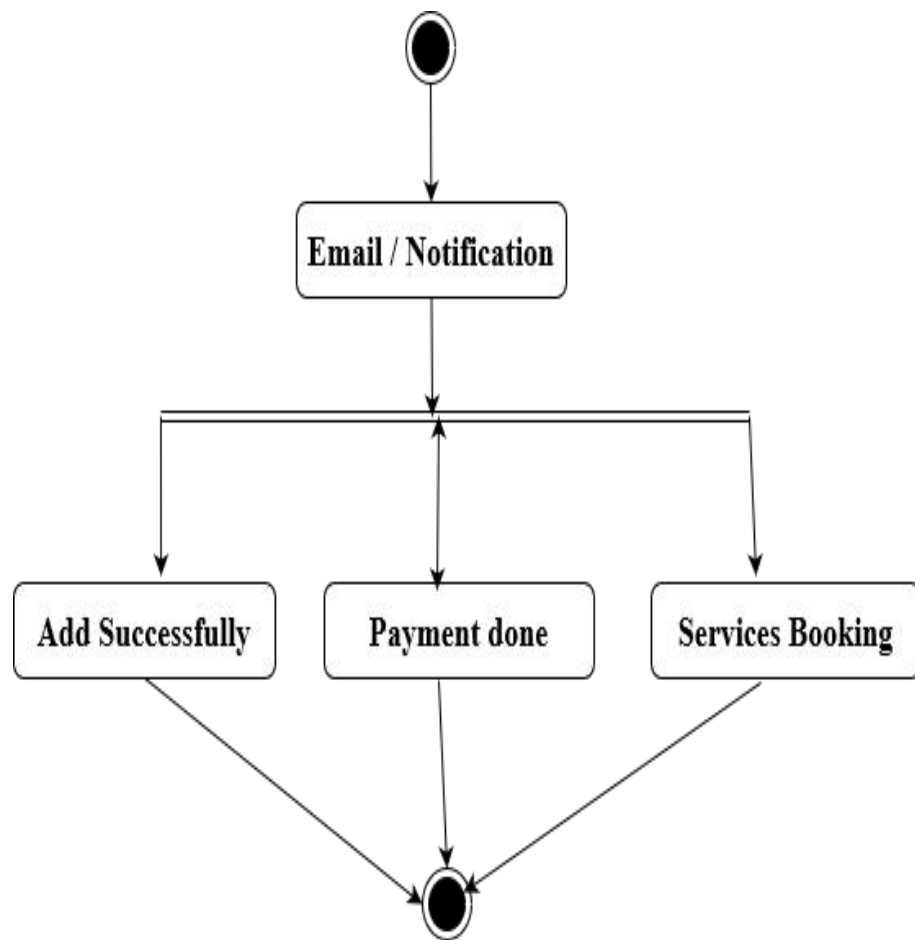
3.3.3. Handle Booking System and payment



3.3.4. Seller Manage

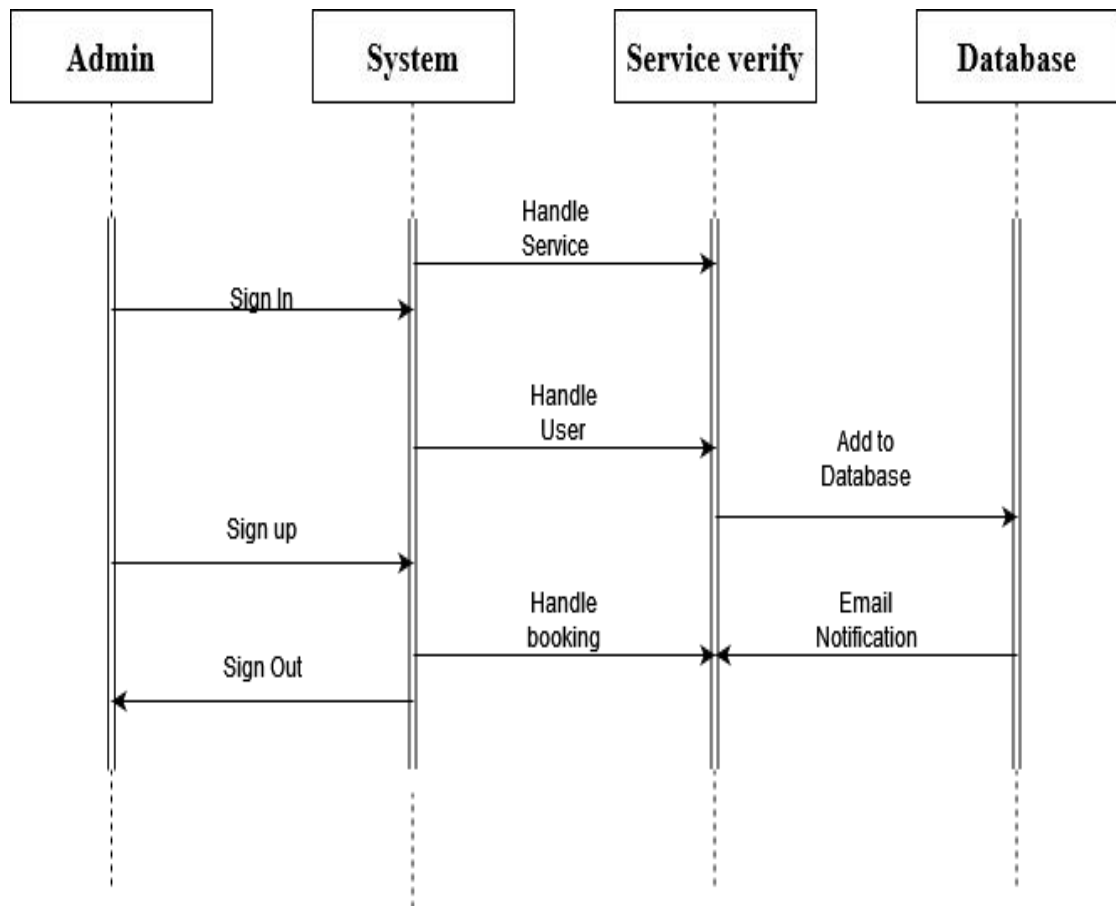


3.3.5. Notifications

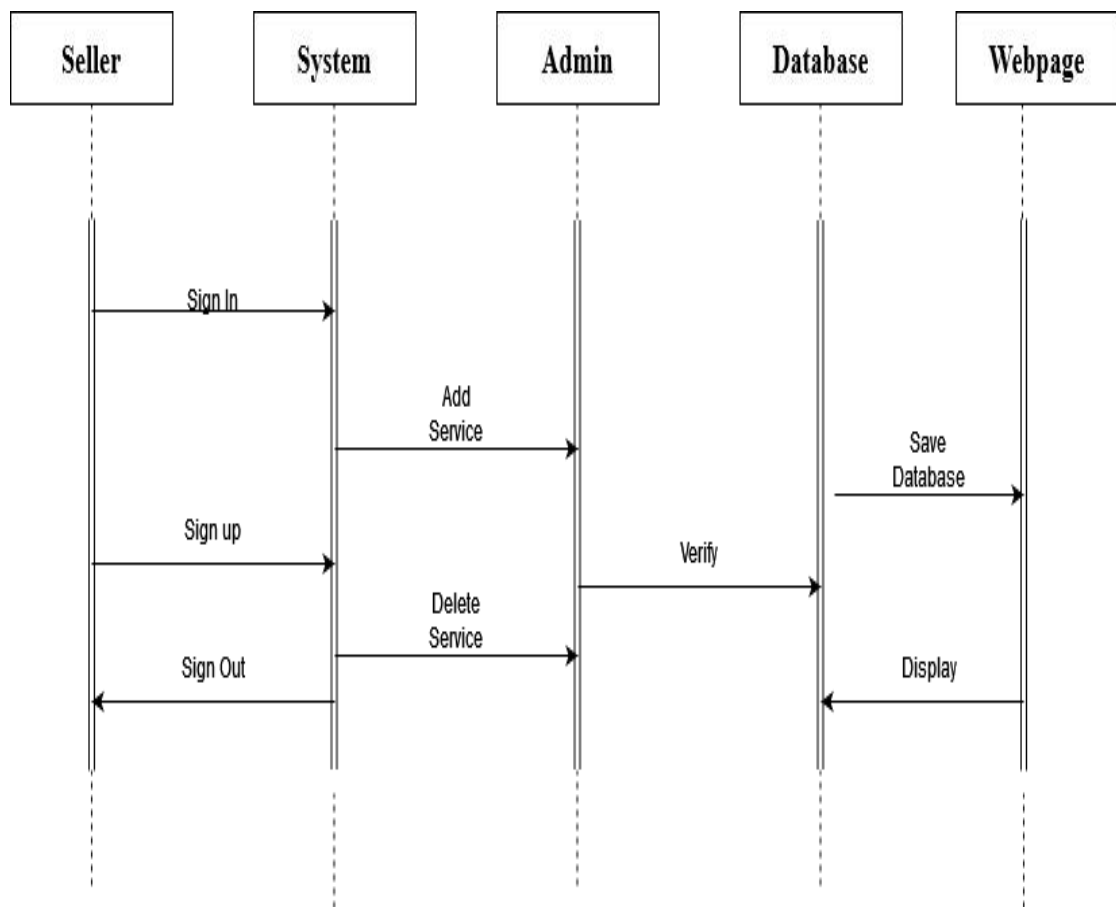


3.4 Sequence Diagram

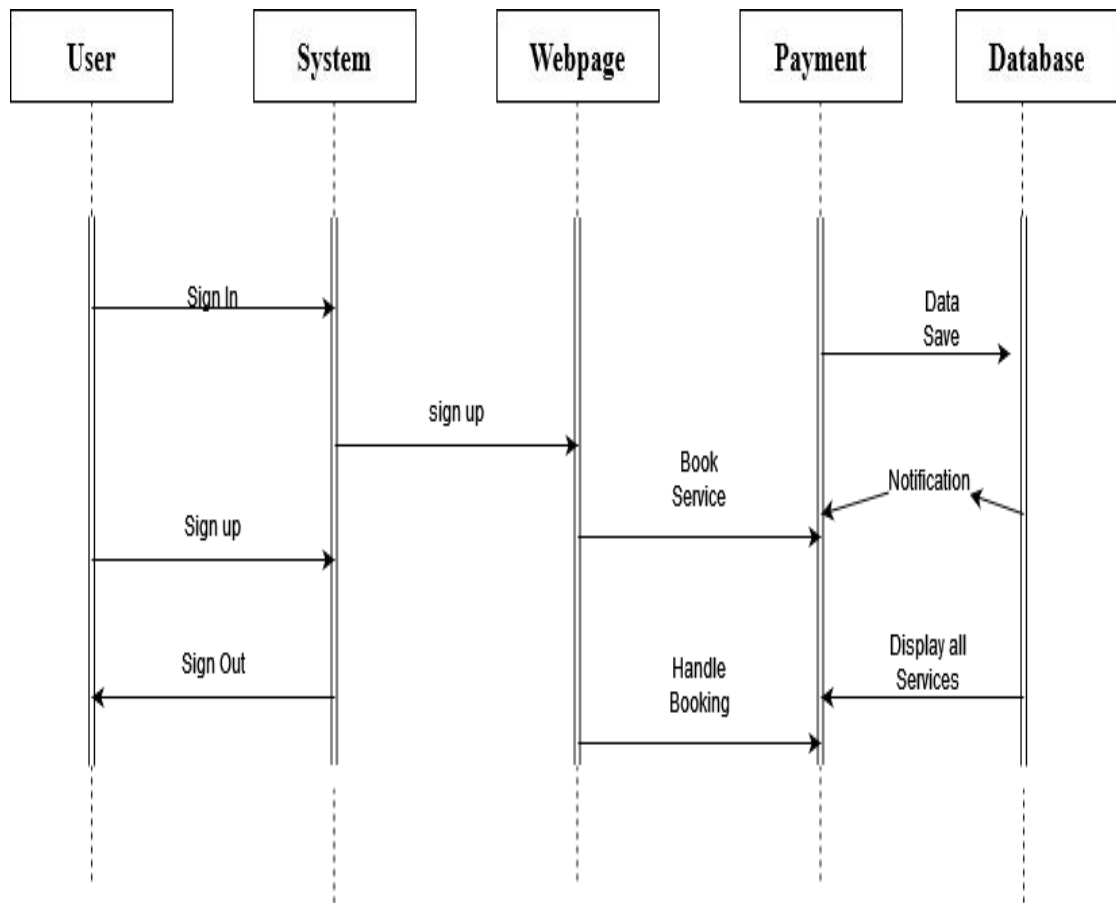
3.4.1 Admin workflow



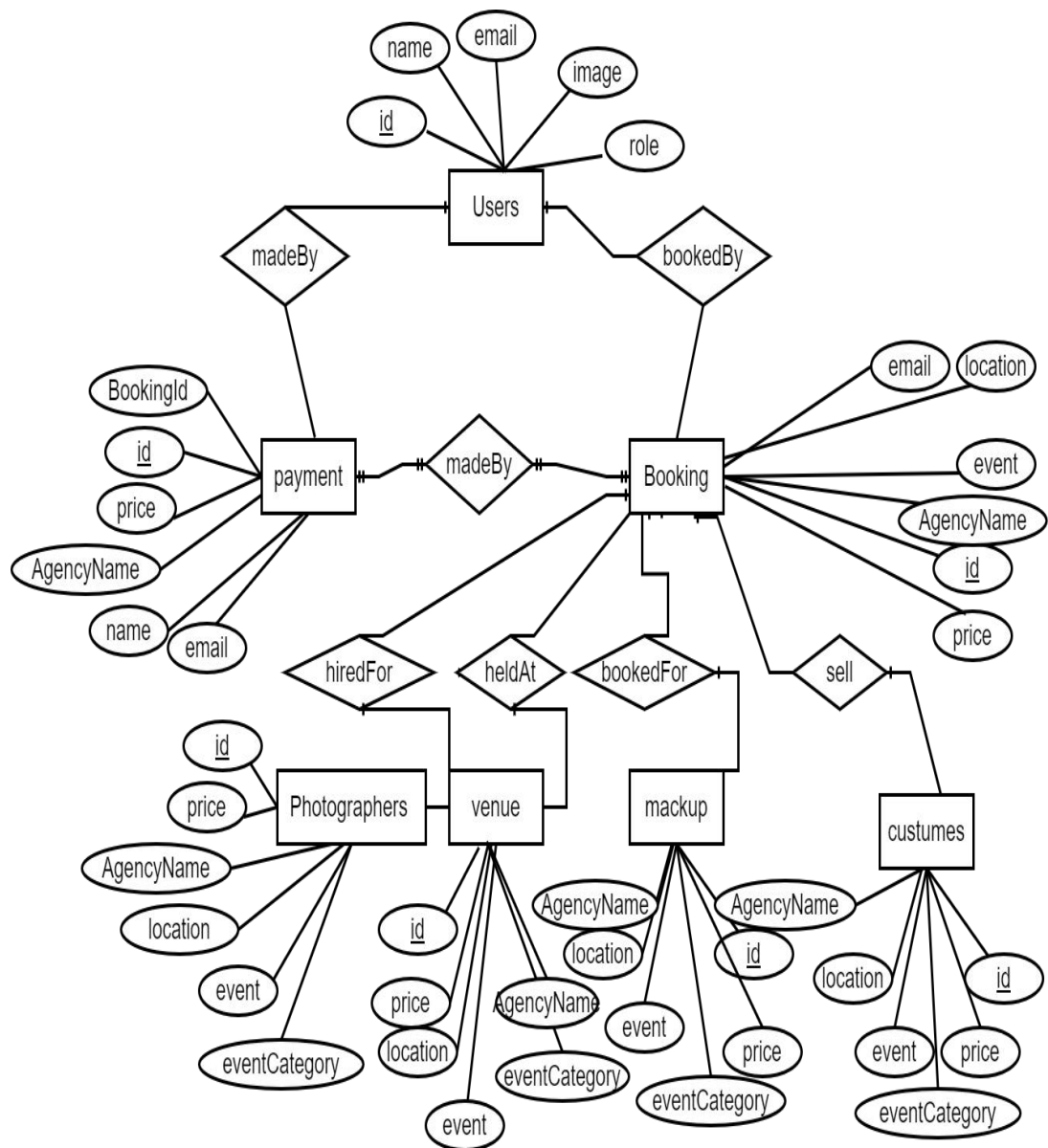
3.4.2 Seller workflow



3.4.3 User workflow



3.5 ERD Diagram



CHAPTER 4

Development Tools & Technology

4.1 Develop System

To develop my system I prefer the Mern stack. I am comfortable with these stacks.

4.2.1 Frontend:

>Html , CSS,
>Javascript
>React js

>Tailwind

4.2.2 Backend:

>Express and node js

4.2.3 Database:

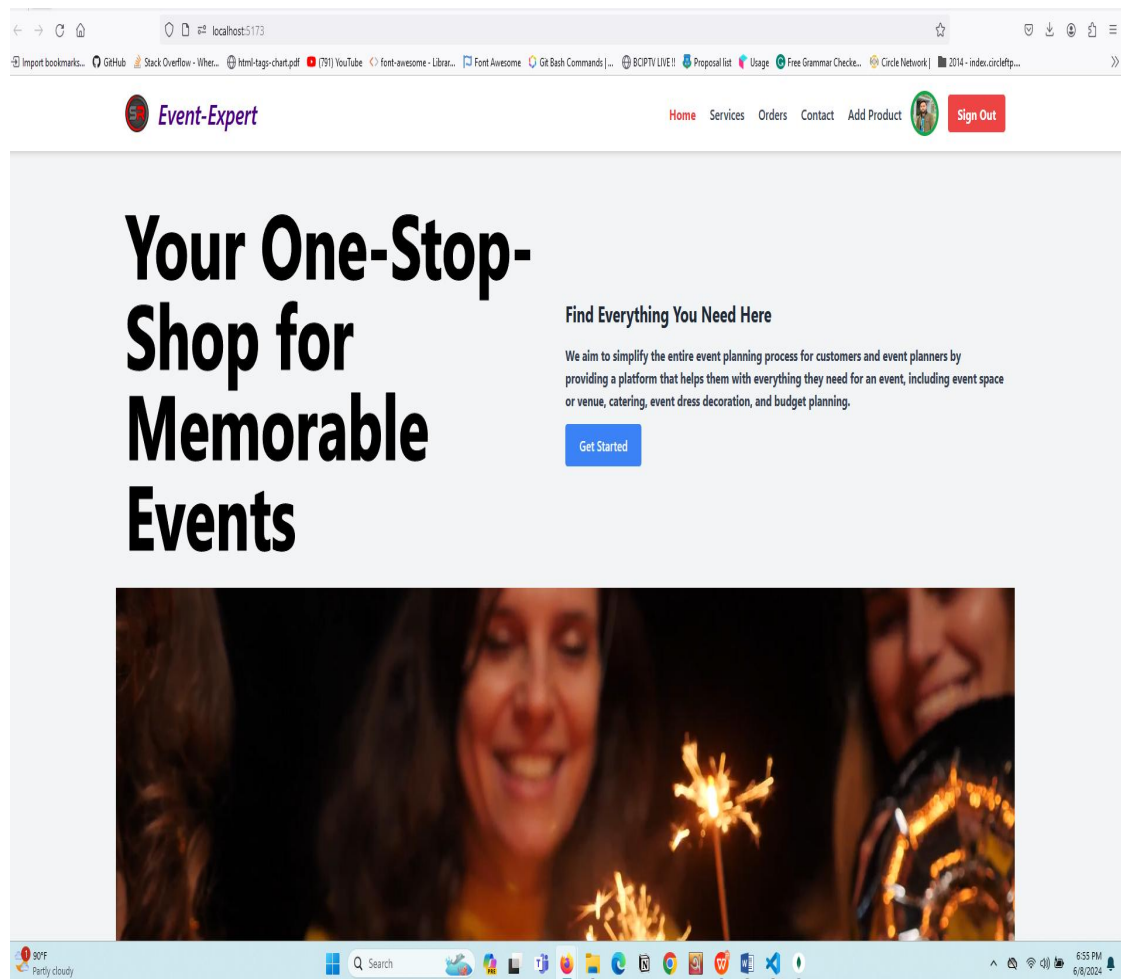
>MongoDb Atlas

CHAPTER 5

User Manual

5.1 Home page

This is my project home page , when any user browses this application at first he/she comes to this page.



5.2 Sign up

After providing the user full name, email address, profile picture or password and clicking the signup button, if all the documents are valid then the signup process is complete. If any documents are in valid error are shown in UI.

Event-Expert

Home Services Orders Contact Add Product **Sign Up**

Sign up to Eventhive

Already have an account? [Signin](#)

First Name

Last Name

Email Address

Password

Choose a photo from PC

Browse... No file selected.

Sign Up

Sign Up with Google

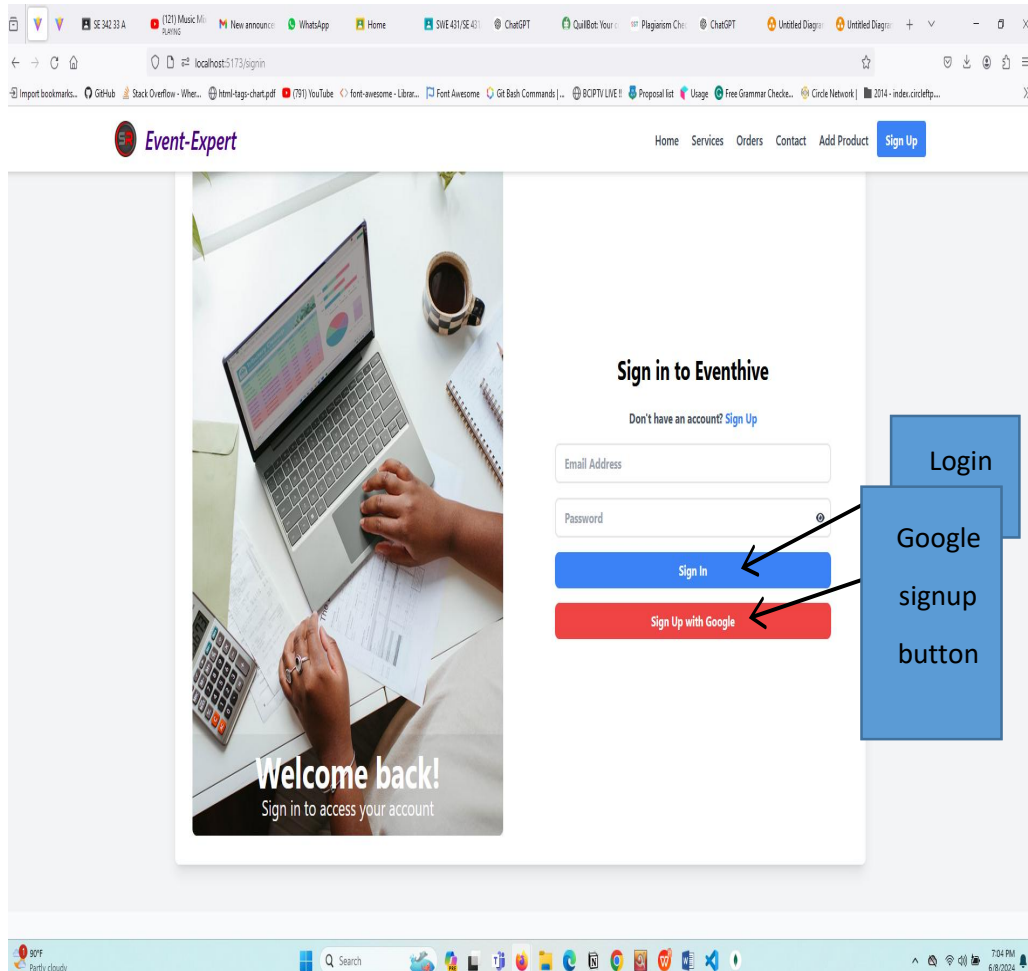
Join 35k+ web professionals & build your website

Commercial License
Unlimited Exports
120+ Coded Blocks
Design Files Included

Signup

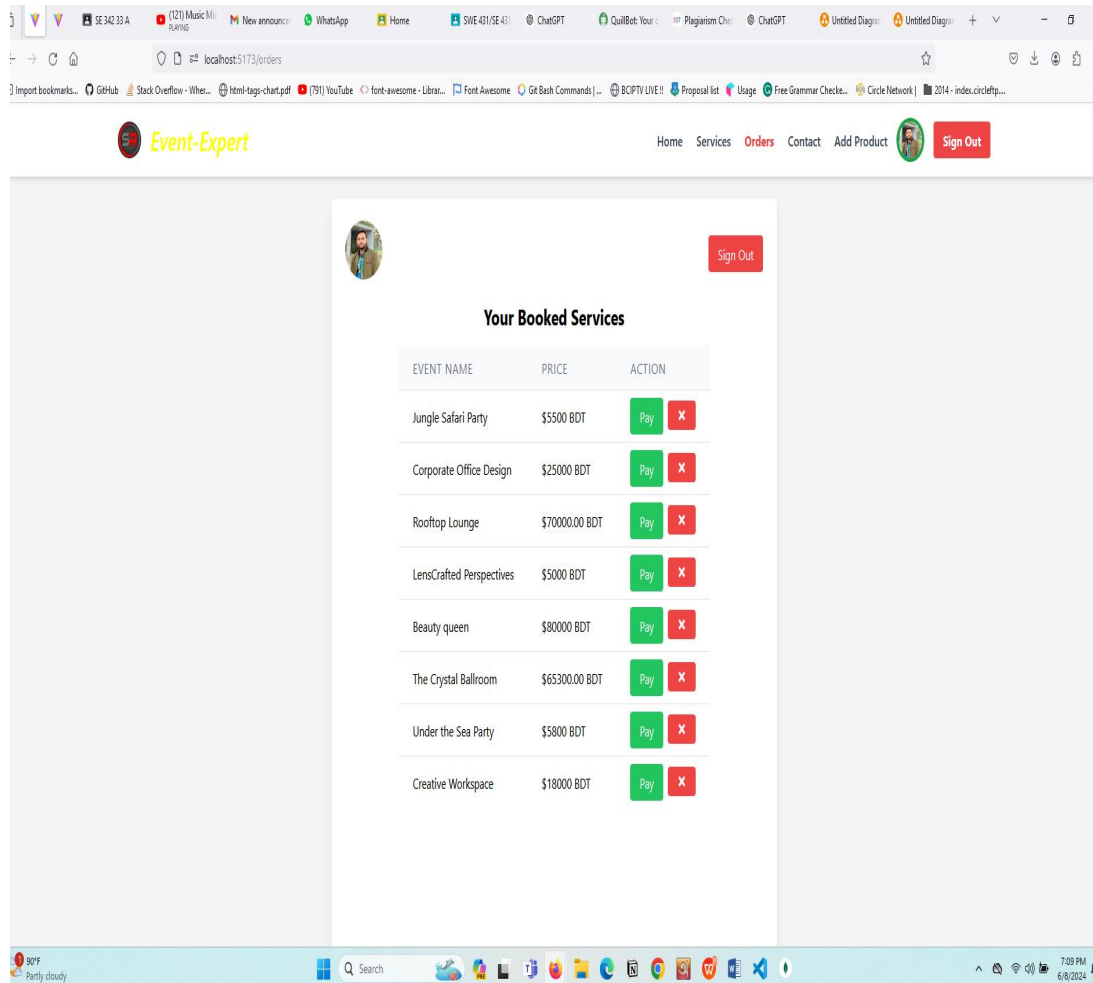
5.3. Login Page

Provide valid email address and password users are complete sign up or anyone want to login Google he/she click google button



5.4. User Dashboard

In the user dashboard user are add to cart their order, and make payments.



The screenshot displays a web browser window with the URL `localhost:5173/orders`. The page features the **Event-Expert** logo and a navigation menu with links for Home, Services, Orders, Contact, Add Product, and a Sign Out button. The main content area is titled **Your Booked Services** and contains a table with the following data:

EVENT NAME	PRICE	ACTION
Jungle Safari Party	\$5500 BDT	Pay X
Corporate Office Design	\$25000 BDT	Pay X
Rooftop Lounge	\$70000.00 BDT	Pay X
LensCrafted Perspectives	\$5000 BDT	Pay X
Beauty queen	\$80000 BDT	Pay X
The Crystal Ballroom	\$65300.00 BDT	Pay X
Under the Sea Party	\$5800 BDT	Pay X
Creative Workspace	\$18000 BDT	Pay X

The browser's taskbar at the bottom shows the system time as 7:08 PM on 6/8/2024, with a weather forecast of 90°F and partly cloudy conditions.

5.5. Contact Page

There is all the information about us. If anyone wants to contact there are all information they can easily contact with us.

The screenshot shows a web browser window with the URL `localhost:5173/contact`. The page header for 'Event-Expert' includes navigation links: Home, Services, Orders, Contact, Add Product, and a Sign Out button. The main content area is titled 'Contact Us' and is divided into two columns. The left column contains 'Office Address' (Ashuliya, Dhaka, Bangladesh), 'Phone' (01648936921), and 'Email' (mdr889299@gmail.com). The right column contains 'Business Hours' (Monday-Friday: 9:00 AM - 5:00 PM, Saturday: 10:00 AM - 3:00 PM, Sunday: Closed) and 'Social Media' links for Facebook, Twitter, and Instagram, all labeled as 'Example'. Below these columns is a 'Send us a Message' section with input fields for Name, Email, and a large text area for the Message, followed by a blue 'Send Message' button. The browser's taskbar at the bottom shows the system clock as 7:24 PM on 6/8/2024.

Office Address	Business Hours
Ashuliya Dhaka, Bangladesh	Monday - Friday: 9:00 AM - 5:00 PM Saturday: 10:00 AM - 3:00 PM Sunday: Closed

Phone	Social Media
01648936921	Facebook: Example Twitter: Example Instagram: Example

Email
mdr889299@gmail.com

Send us a Message

Name:

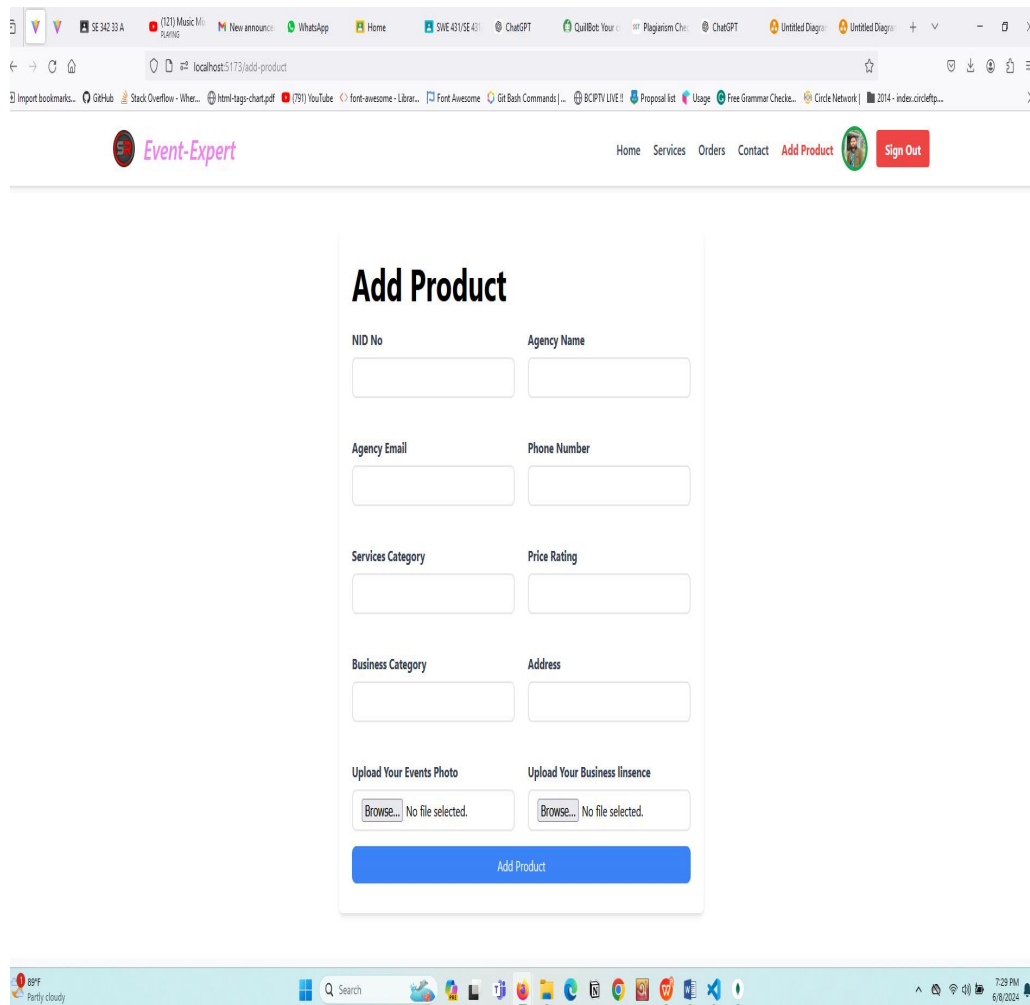
Email:

Message:

[Send Message](#)

5.6. Seller Add services

In this page sellers provide their events details, after verification they can able to host their services.



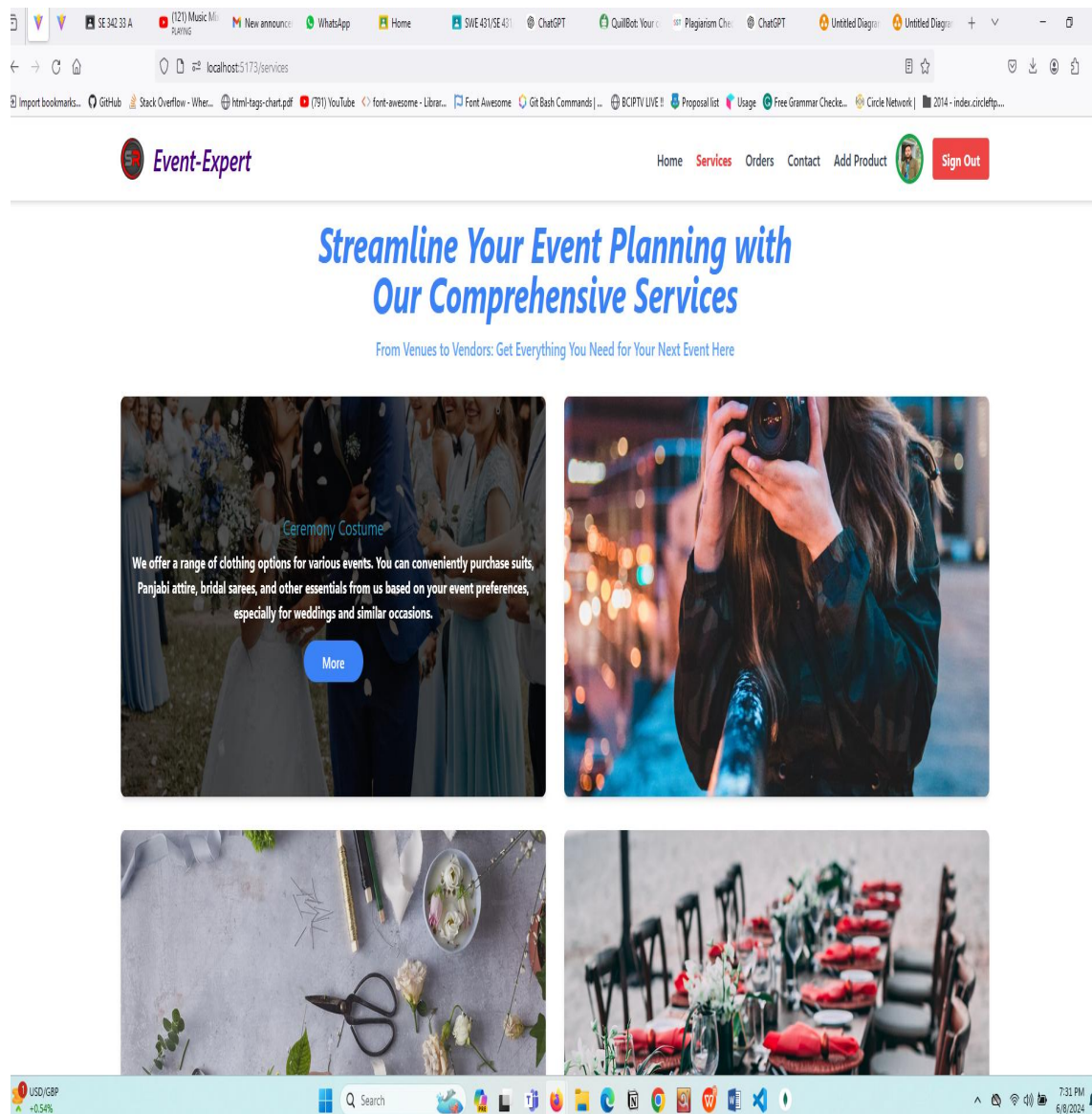
The screenshot displays a web browser window with the URL `localhost:5173/add-product`. The browser's address bar and tabs are visible at the top. The page header features the 'Event-Expert' logo on the left and navigation links (Home, Services, Orders, Contact, Add Product, Sign Out) on the right. The 'Add Product' form is centered on the page and contains the following fields and controls:

- NID No**: A text input field.
- Agency Name**: A text input field.
- Agency Email**: A text input field.
- Phone Number**: A text input field.
- Services Category**: A text input field.
- Price Rating**: A text input field.
- Business Category**: A text input field.
- Address**: A text input field.
- Upload Your Events Photo**: A file upload section with a 'Browse...' button and the text 'No file selected.'
- Upload Your Business linsence**: A file upload section with a 'Browse...' button and the text 'No file selected.'
- Add Product**: A blue button at the bottom of the form.

The Windows taskbar is visible at the bottom of the screenshot, showing the system clock as 7:29 PM on 6/8/2024.

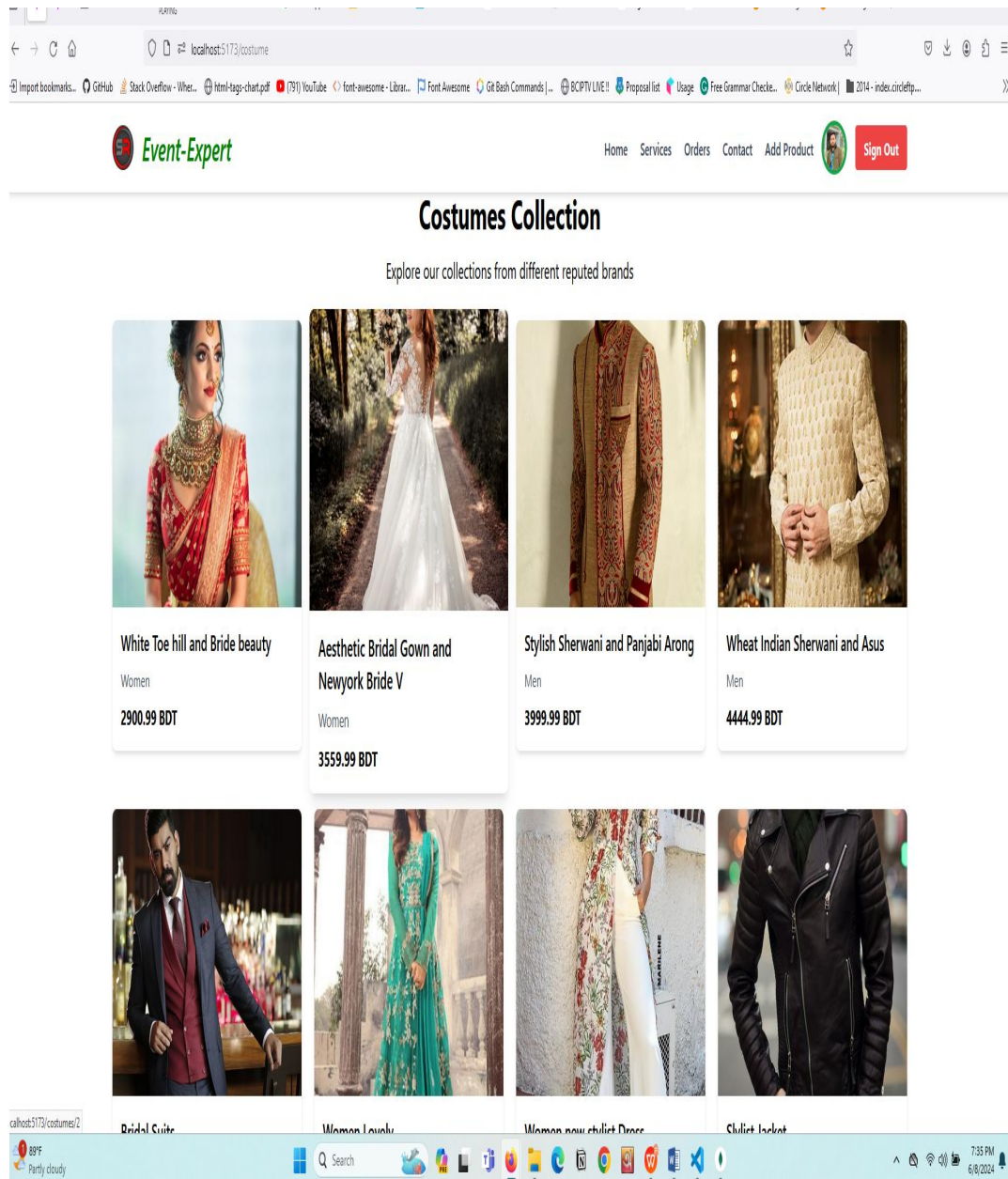
5.7. Event Page

On this page all types of services.



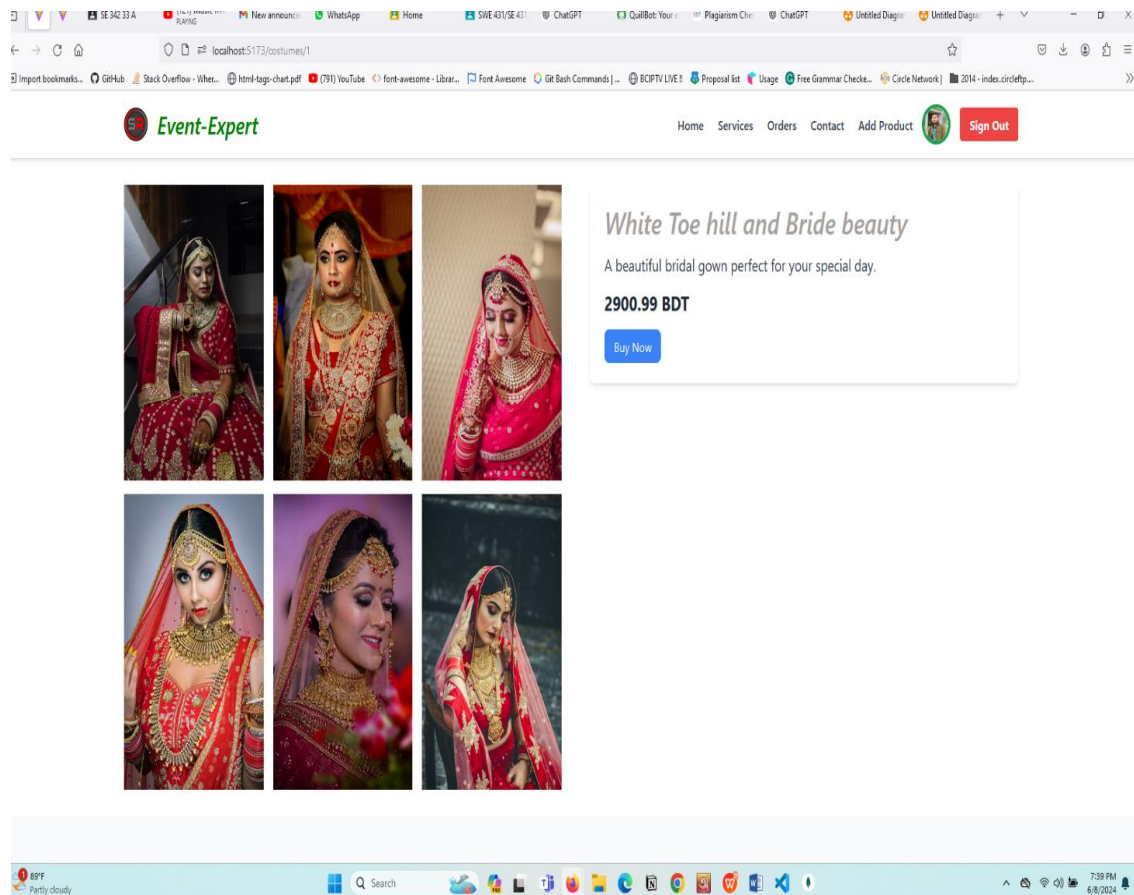
5.8. Costumes Collection

In this page shows all costumes collection



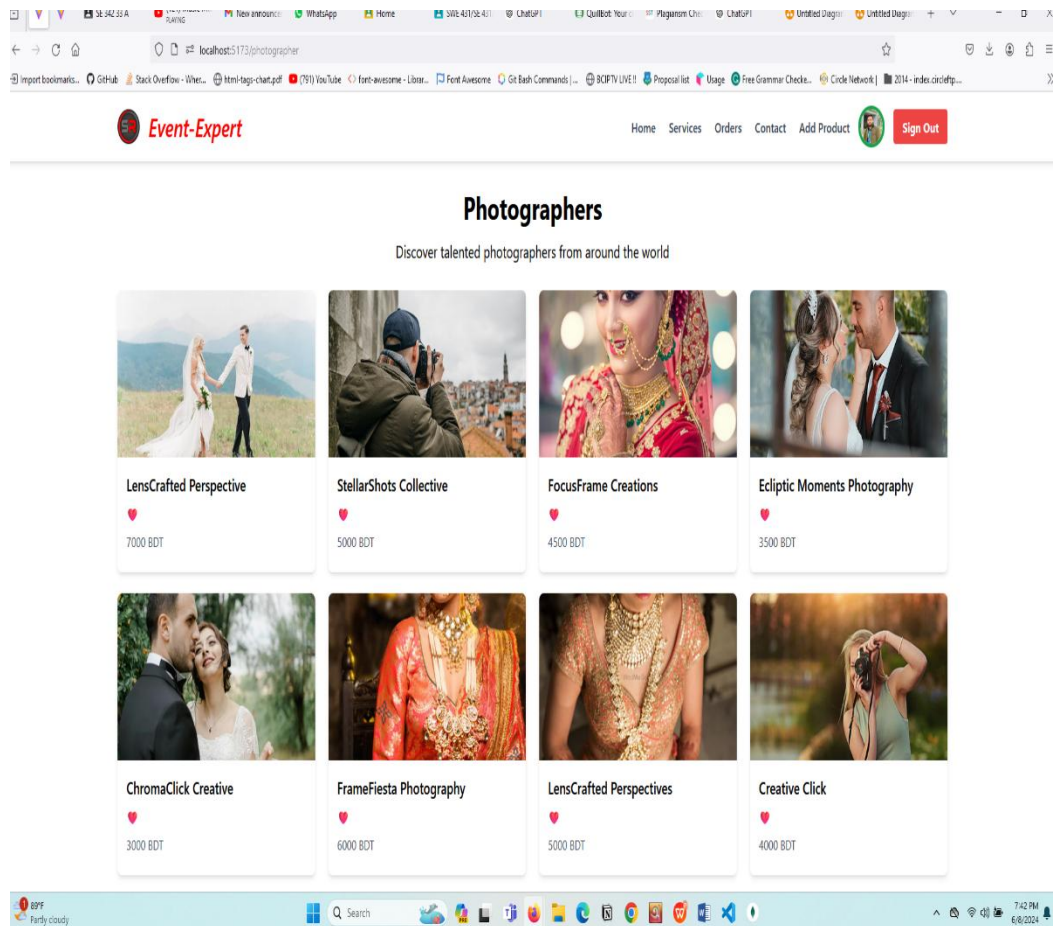
5.9. Costumes Collection Details

After click buy now those events are book for this users



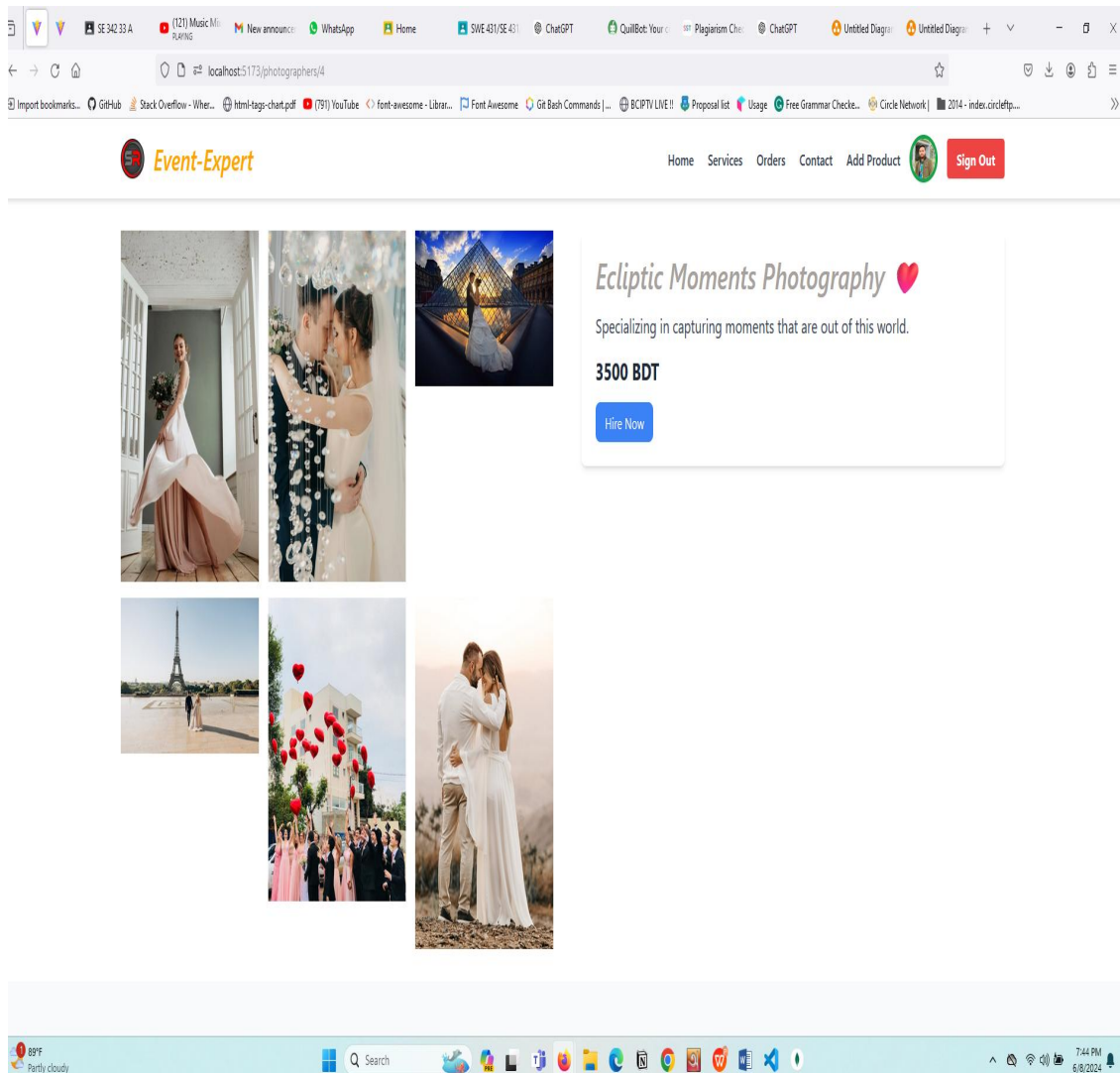
5.10. Photographer Collection

In this page shows all Photographer collection



5.11. single photographer details

After click buy now those events are Hire now for this customer



5.12. makeup Artists Collection

In this page shows all makeup collection

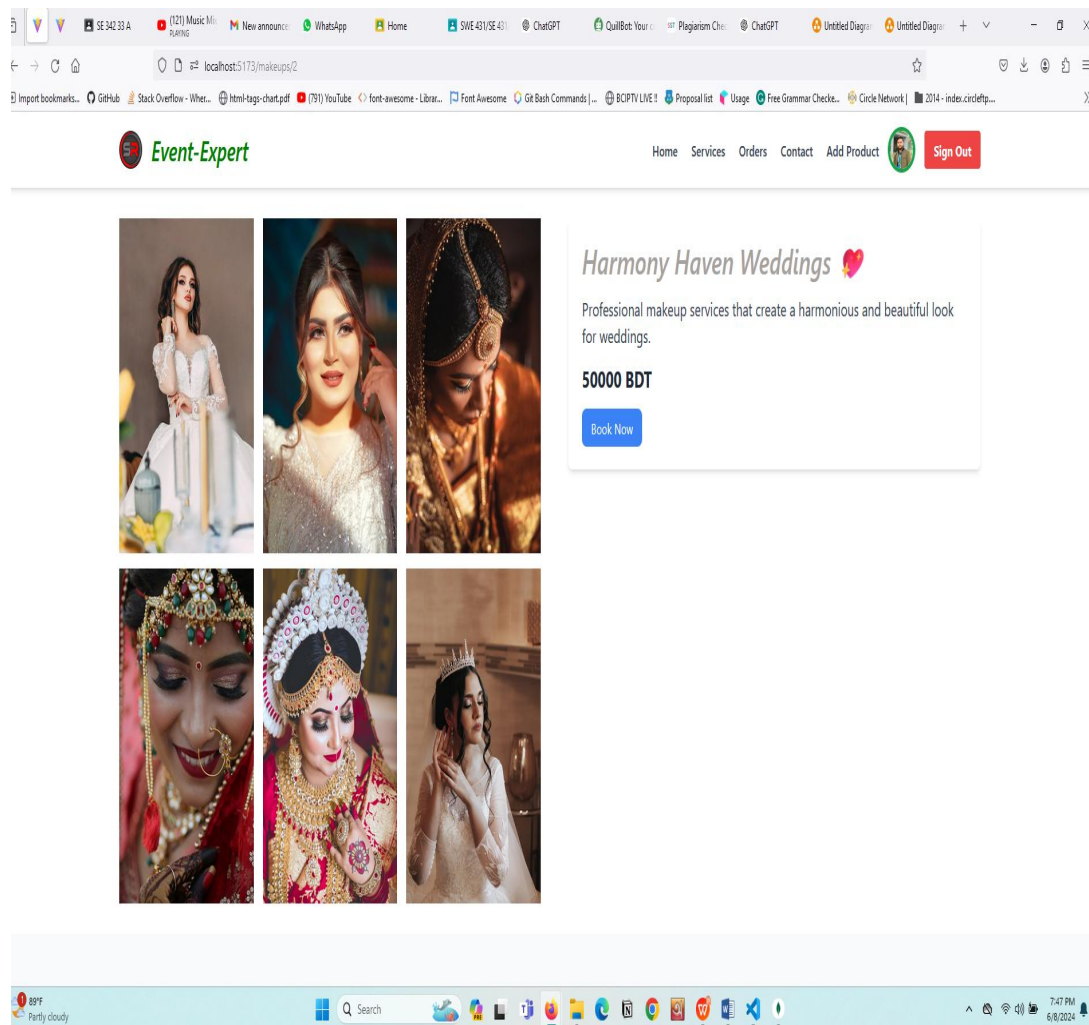
The screenshot shows a web browser window displaying a 'Makeup Artists Collection' page. The browser's address bar shows 'localhost:5173/makeup'. The page has a header with the 'Event-Expert' logo and navigation links: Home, Services, Orders, Contact, Add Product, and a Sign Out button. The main content area is titled 'Makeup Artists Collection' and includes the subtitle 'Explore our collections from different reputed brands'. Below this, there are four featured makeup artists, each with a profile picture, name, and price:

- BlissFul Unions Parlor ❤️ 15000 BDT
- Harmony Haven Weddings ❤️ 5000 BDT
- Beauty queen ❤️ 20000 BDT
- Makeup Around ❤️ 18000 BDT

The footer section includes the 'Curate & Co' logo, a placeholder text 'Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.', and a list of links under 'COMPANY' (About, Features, Works, Career) and 'HELP' (Customer Support, Delivery Details, Terms & Conditions, Privacy Policy). There is also a 'SUBSCRIBE TO NEWSLETTER' section with an email input field and a 'Subscribe' button. The browser's taskbar at the bottom shows the date and time as 7:45 PM on 6/8/2024.

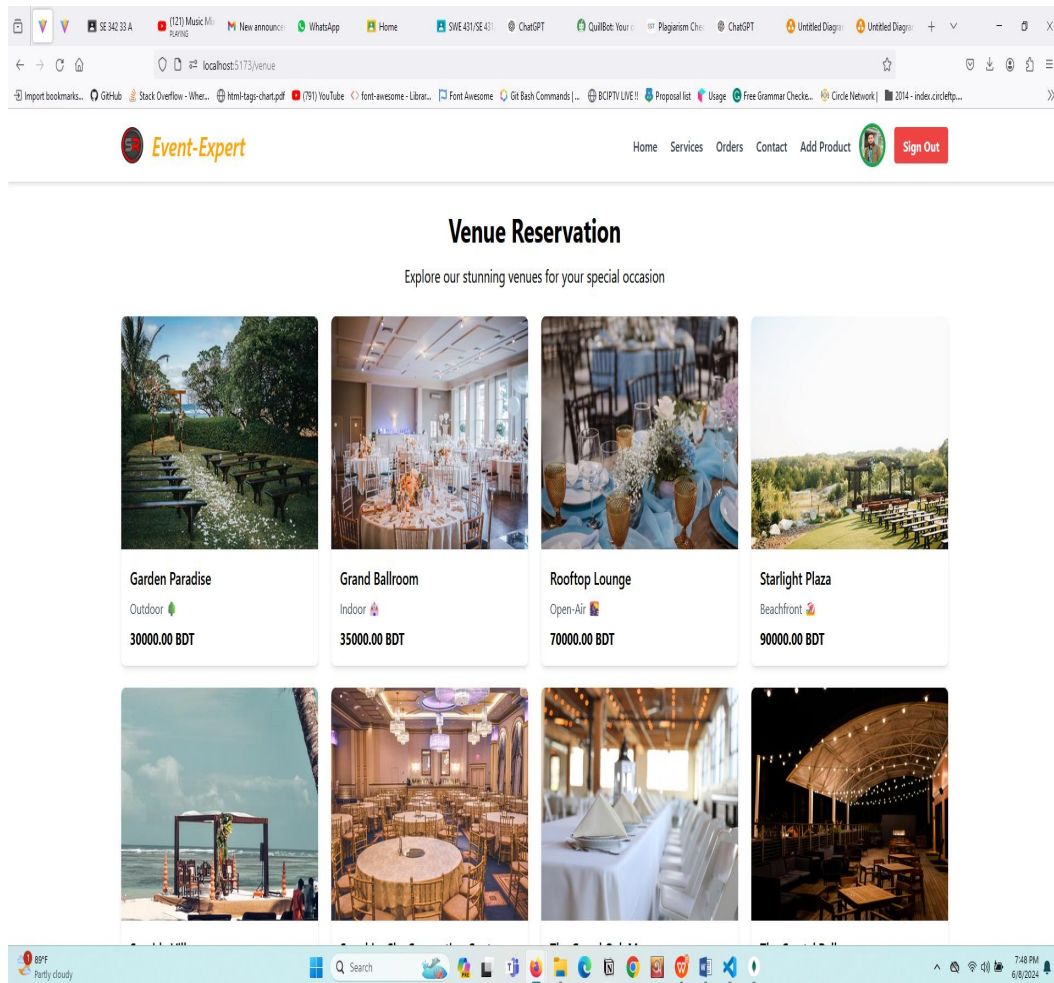
5.13 Single Makeup details

After click buy now those events are Hire now for this customer



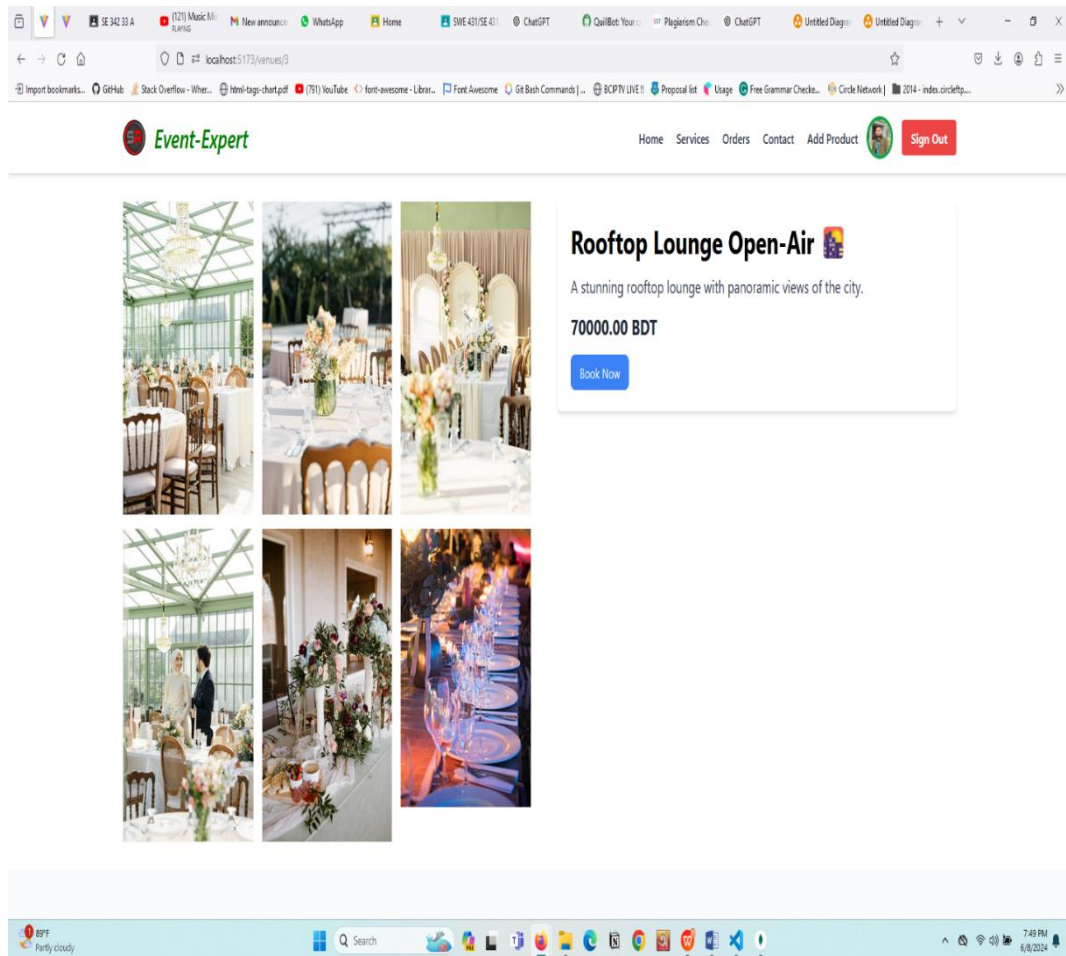
5.14. Venue Collection

In this page shows all places collection



5.15. Single Venue details

After click buy now those events are booking for this customer



5.16 Payment

Users pay their money using the stripe method.

The screenshot shows a web browser window displaying a Stripe checkout page. The browser's address bar shows a long URL starting with `https://checkout.stripe.com/`. The page header includes the Stripe logo, the merchant name 'Shek Razel', and a 'TEST MODE' badge. The main content area displays 'Service Payment' and the amount 'BDT 70,000.00'. On the right side, there is a 'Pay with card' section with the following fields:

- Email: `mdr689299@gmail.com`
- Card information: A Visa card with number `4111 1111 1111 1111`, expiration date `12 / 24`, and a masked card number `123`.
- Cardholder name: `Shek Razel`
- Country or region: A dropdown menu showing `Bangladesh`.
- A checkbox for 'Securely save my information for 1-click checkout' with the text 'Pay faster on Shek Razel and everywhere Link is accepted.'
- A blue 'Pay' button with a lock icon.

At the bottom of the page, it says 'Powered by stripe' with links to 'Terms' and 'Privacy'. The Windows taskbar at the bottom shows the time as 7:51 PM on 6/8/2024.

5.17. Admin Dashboard and All user

Only Admin shows all user and all booking

Event Management System

Admin Dashboard

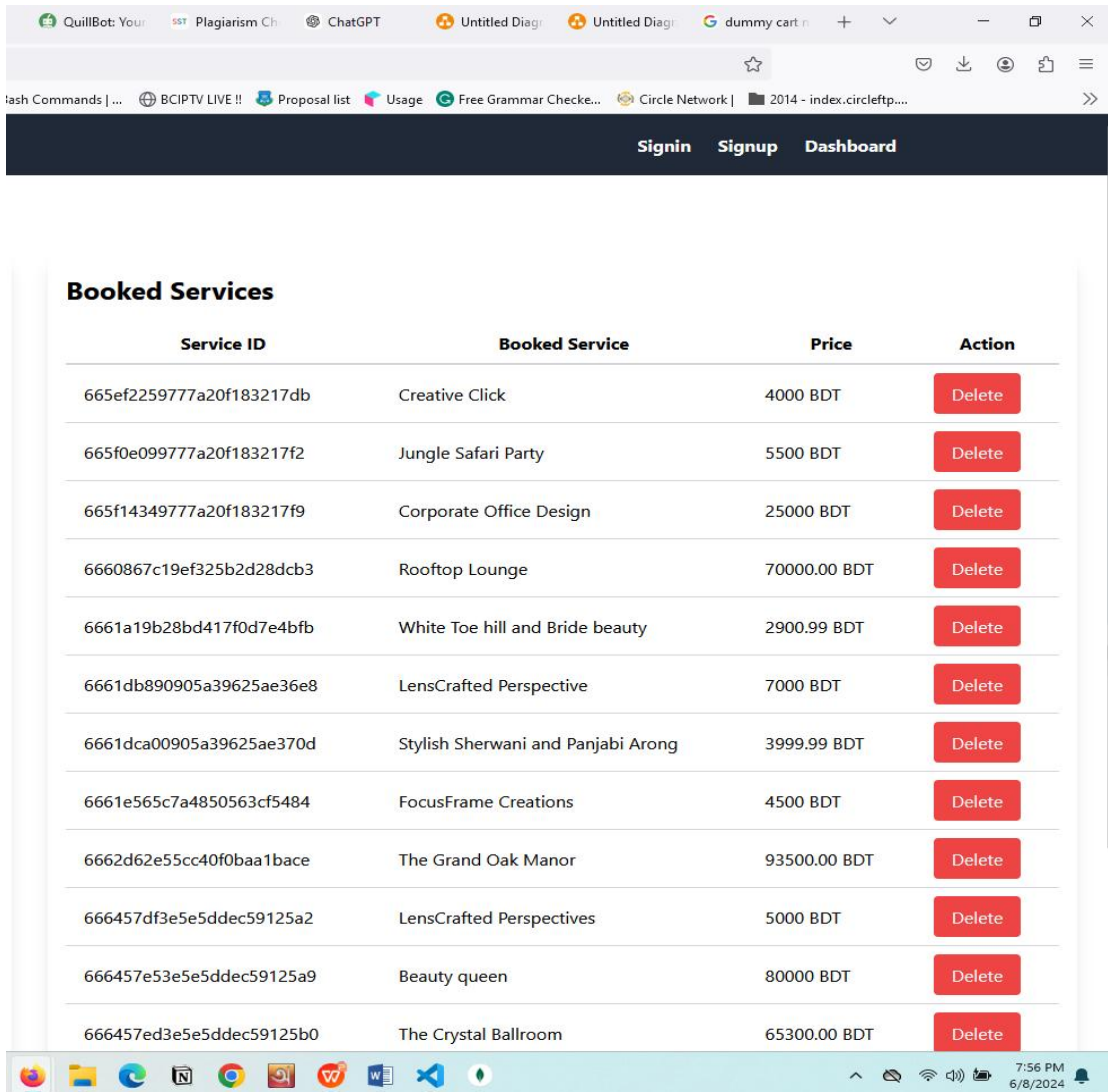
Users

ID	Email	First Name	Last Name	Profile Photo	Action
665b131596f0ebfe92380458	Rasel@gmail.com	Shek	Rasel		Delete
665c8fdd5e54535af6f7462c	rr@gmail.com	Rasel	Rasel		Delete
6661a10628bd417fd7e4bef	robin@gmail.com	robin	robin		Delete
6661db190905a39625ae36da	Dhon4@gmail.com	Md	Dhon4		Delete
6661e054c7a4850563cf5478	abir@gmail.com	Abir	Rahman		Delete
6661e597c7a4850563cf548a	rubel@gmail.com	Rubel	RubelHasan		Delete

89°F Partly cloudy

Search

5.18. All Booking



The screenshot displays a web application interface for managing bookings. At the top, there is a navigation bar with links for "Signin", "Signup", and "Dashboard". Below this, the main content area is titled "Booked Services". It contains a table with four columns: "Service ID", "Booked Service", "Price", and "Action". Each row represents a booked service, and the "Action" column contains a red "Delete" button for each entry.

Service ID	Booked Service	Price	Action
665ef2259777a20f183217db	Creative Click	4000 BDT	Delete
665f0e099777a20f183217f2	Jungle Safari Party	5500 BDT	Delete
665f14349777a20f183217f9	Corporate Office Design	25000 BDT	Delete
6660867c19ef325b2d28dcb3	Rooftop Lounge	70000.00 BDT	Delete
6661a19b28bd417f0d7e4bfb	White Toe hill and Bride beauty	2900.99 BDT	Delete
6661db890905a39625ae36e8	LensCrafted Perspective	7000 BDT	Delete
6661dca00905a39625ae370d	Stylish Sherwani and Panjabi Arong	3999.99 BDT	Delete
6661e565c7a4850563cf5484	FocusFrame Creations	4500 BDT	Delete
6662d62e55cc40f0baa1bace	The Grand Oak Manor	93500.00 BDT	Delete
666457df3e5e5dddec59125a2	LensCrafted Perspectives	5000 BDT	Delete
666457e53e5e5dddec59125a9	Beauty queen	80000 BDT	Delete
666457ed3e5e5dddec59125b0	The Crystal Ballroom	65300.00 BDT	Delete

CHAPTER 6

Conclusion

6.1 End of Project :

That was my project which is an Event management system. Offers a comprehensive solution for easily managing event services. I am working on this system. Some features and functionalities I will add. And some tests are needed for better performance. My system mainly focuses on services for users or customers . Simple to use this system. The core feature will be authentication users, service handles, payment system, and outside sellers can easily add and host their services on these systems.

Overall this project shows the successful integration of a full stack development.

Thank You