INSTITUTE FOR ADVANCED COMPUTING
AND
SOFTWARE DEVELOPMENT AKURDI, PUNE

Documentation On

"Event Management System"

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Submitted By:

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ABSTRACT

Event Management System is developed as a web-based application developed in Java programming language. It facilitates online registration cum feedback evaluation for different kinds of events such as concert, function, occasion, wedding, birthday, fests etc. The project's main objective is to control or manage the activities and duties. It includes experienced vendors also. Thus, it is an easy way to plan our memories in a cost-efficient manner.

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide for providing me with the right guidance and advice at the crucial juncture sand for showing me the right way.

I extend my sincere thanks to our respected Centre Co-Ordinator Mr. Prashant Karhale for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion.

Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

Bikkad Mangesh Sunil(223037)
Geetika Kumari(223164)

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INTRODUCTION

In the event management system, user and admin can login , and vendors who provide services, can login using phone number. Users Select services, select event venue, date, no. of services and proceed for Billing. user can give ratings and feedback. Vendors can sign up as well. Vendors will have to fill their name, contact no. Admin can accept or reject or delete vendors. All the entities can logout. Vendor can update its information.

1.1 PROJECT OBJECTIVE

This aims to provide the readers and users information about the system and its functions and specifications. It describes the data, functional and behavioural requirements of the software. This software is designed to manage the events in the party. This will take the users requirements for about party events and according to the users requirement it estimate how much cost are coming in the whole event .The main purpose of it provide services related to event to the user in very optimize cost.

1.2 PROJECT SCOPE

Event creation and registration system, end user will have the ability to either create or register for events at locations of their choice.

a)Description:-

1. Manage an event
2. Manage a User Profile
3. Manage a Registration
4. Manage a template

b)Product Perpestive:-

The software will be a new independent product, that it, it is not a component of another program. It is intended for the administration of the management and other concerned users. The product will import its data from MySQL Database and use the Spring Boot for its integrated development environment. This information can only be accessed by the Admin. All the forms used in the product follows a clear and logical structure. Management of data includes searching, adding, modifying and deleting.

1.3 STUDY OF THE SYSTEM

1.3.1 MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles. The modules involved are:

Admin

Registered Users

Vendors

SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems, and using the information to recommend improvements on the system. System analysis is a problem-solving activity that requires intensive communication between the system users and system developers.
System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified, and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.1 Existing System:

In the existing system, there is a lot of paper work; it is very time consuming and uneconomical as most of the works include manual processing. The records are difficult to store in manual system, and it requires more manual labor work.

2.2 Proposed System:

In the proposed event management system, everything is web-based. This will immediately reduce the manual processing, thereby increasing the speed of event management process. There are various functions and modules in the system to perform various features. This overall increases management productivity, eliminate paper works, reduce manpower, and prove to be very economical in the long run.

2.3 SYSTEM REQUIREMENT SPECIFICATION

HARDWARE REQUIREMENT:-

To be able to run the system, the minimum requirements of the hardware for this system are:

CPU 2.0 GHz or CPU (laptops) Core
2. CPU (desktops) RAM 2 GB RAM
3. HDD 60 GB min
4. 7200 RPM6 GB or at least 10% free space (whichever is greater)

SOFTWARE REQUIREMENT:-

1.Frontend-ReactJs
2.Backend-Java(Spring boot)
3.Database-MySql

2.3.1 GENERAL DESCRIPTION

Event Description:

The system consists of two parts. A web application which can provide the Customer to choose their place according to their needs from his Smartphone/System. Web application should be able to help the customer for choosing different vendor services and places for their events.

2.3.2 SYSTEM REQUIREMENTS

SYSTEM FEATURE:-

This program designed to assist managers, event organizers, firms, and other users whose line of business deals with events management to manage their participant's data in an orderly manner. It shall perform the following functions:
1. Protect the database of the firm by requiring a correct data.
2. Registered username and password.
3. Facilitate a step-by-step process of entering, organizing, retrieving, modifying and deleting data from the database without the need to go the database itself.
4. Add new client information easily.
6. Delete existing client information by admin.
7. Display client information to admin in an organized manner for easy understandability.

2.3.2.1 NON-FUNCTIONAL REQUIREMENTS

PERFORMANCE REQUIREMENT

1. The System need to be reliable.
2. If unable to process the request then appropriate error message.
3. Web pages are loaded within few seconds.

SAFETY REQUIREMENT

- The details need to be maintained properly.
- Users must be authenticated.
- The database must be kept backep up.

SECURITY REQUIREMENT

- The details of user must be safe and secure.
- Sharing of details.

IMPLEMENTATION REQUIREMENT

- Implementation of the system using React in front end with Spring Boot as back end and it will be used for database connectivity.
- The database part is developed by MySQL.
- Responsive web designing is used for making the website compatible for laptop screen.

2.3.3.2 FUNCTIONAL REQUIREMENTS

1)Admin:-

Description of feature

- This feature used by the user to login into system.
- A admin must login with his username and password to the system after registration.

- If they are invalid, admin is not allowed to enter the system.

Functional Requirement

- Username and password will be provided after admin registration is confirmed.
- Password should be hidden from others while typing it in the field

2)REGISTER USER

Description of feature

- A new user will have to register in the system by providing essential details in order to view the places in the system.

Functional Requirement

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.

3)VENDOR

- A new vendor has to give their basic information to get added in this.
- New vendors are first verified by the admin, whether admin accepts or rejects the requests.
- Vendor can update their information.

SYSTEM DESIGN

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. Its emphasis on translating design. Specifications to performance specification. System design has two phases of development.

- Logical Design
- Physical Design

During logical design phase the analyst describes inputs (sources), outputs(destinations), databases (data sores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data and produce the required report on a hard copy or display it on the screen.

3.1 INPUT AND OUTPUT DESIGN

3.1.1 INPUT DESIGN:

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer-based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the user details are to be entered at the time of login. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

3.1.2 OUTPUT DESIGN:

Computer output is the most important and direct source of information to the user.
Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

DATABASE DESIGN

3.1 DATABASE

Databases are the storehouses of data used in the software systems. The data is stored in tables inside the database. Several tables are created for the manipulation of the data for the system. Two essential settings for a database are

- Primary key - the field that is unique for all the record occurrences

- Foreign key - the field used to set relation between tables

Normalization is a technique to avoid redundancy in the tables.

3.2 SYSTEM TOOLS

The various system tools that have been used in developing both the front end and the back end of the project.

3.2.1 FRONT END:

React Js:-

React is a library which is developed by Facebook are utilized to implement the frontend. React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single page or mobile applications. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

3.2.2 BACKEND:

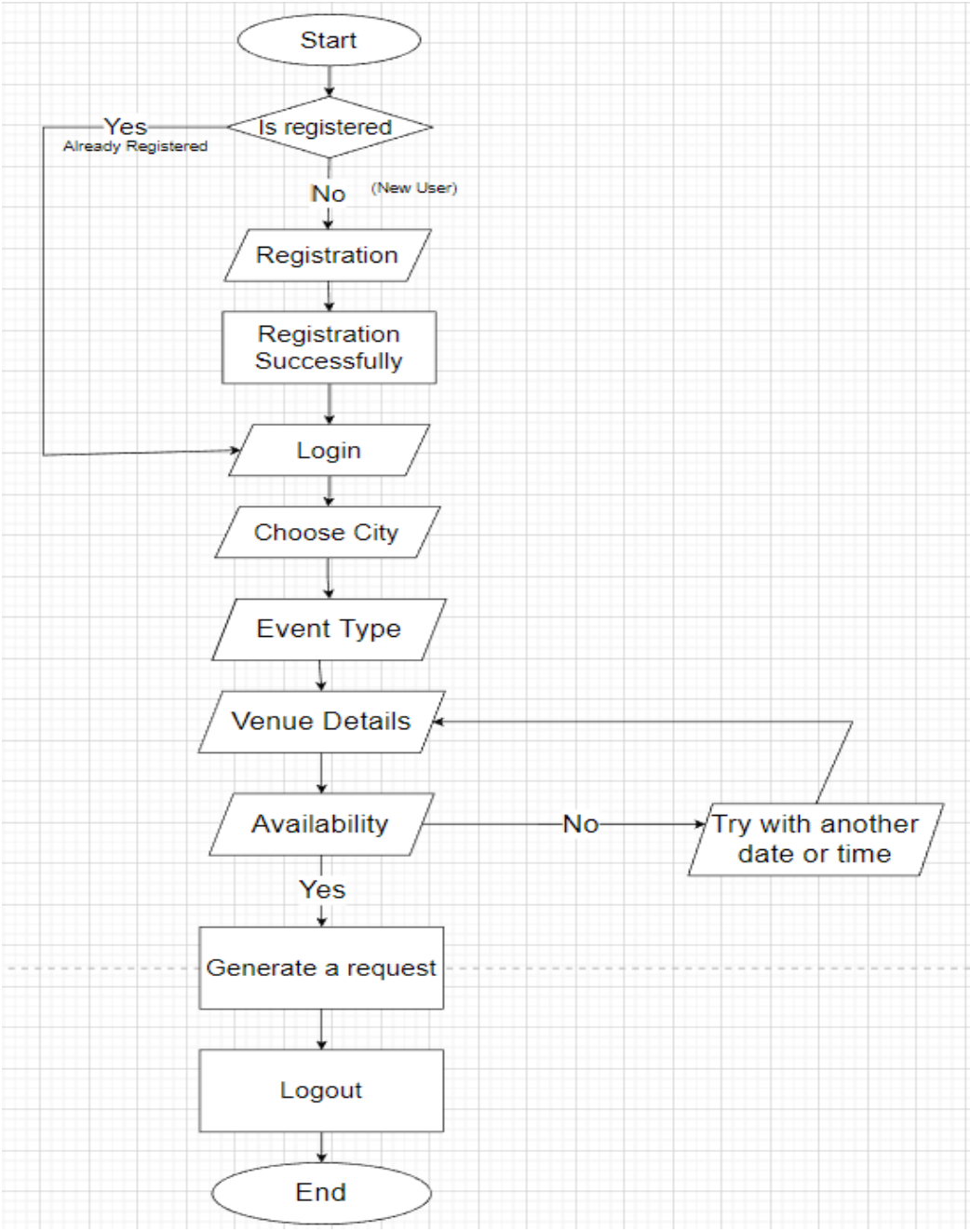
Spring-Boot:-

This is used to connect MYSQL and fetch data from database and store the data in database. The Spring Framework is an application framework and inversion of control container for the Java platform. The framework's core features can be used by any Java application, but there are extensions for building web applications on top of the Java EE (Enterprise Edition) platform. Although the framework does not impose any specific programming model, it has become popular in the Java community as an addition to the Enterprise JavaBeans (EJB) model. The Spring Framework is Open-source Framework.

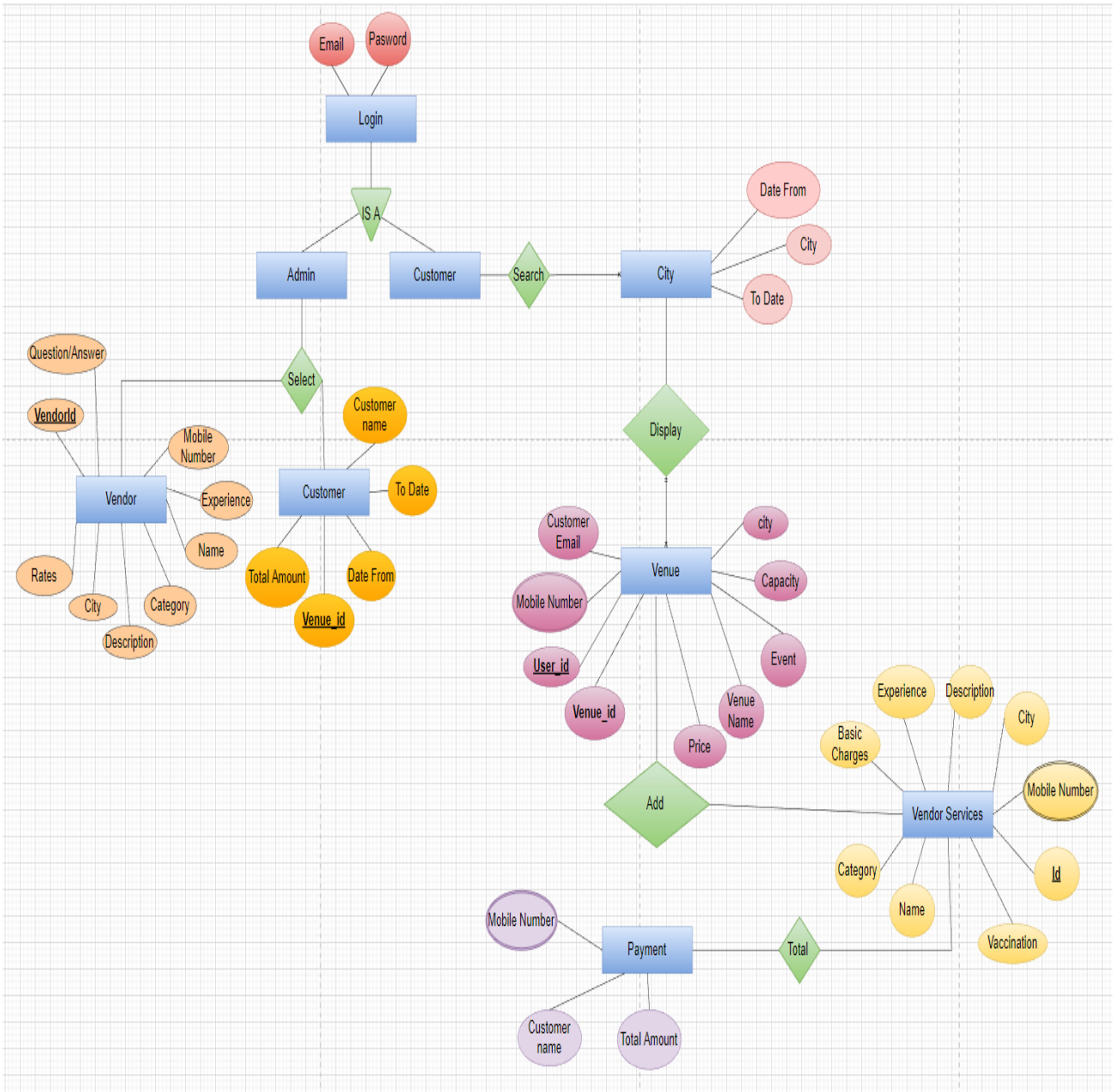
3.2.3 MySQL:

MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language. An application software called Navicert was used to design the tables in MySQL.

Flow Diagram



E-R Diagram


Email
Pasword
Login
IS A
Admin
Customer
Search
City
Date From
City
To Date
Question/Answer
Select
VendorId
Mobile Number
Vendor
Experience
Name
Rates
City
Category
Description
Customer name
Customer
To Date
Total Amount
Date From
Venue_id
Display
Customer Email
Mobile Number
User_id
Venue_id
Venue
city
Capacity
Event
Venue Name
Price
Add
Experience
Description
City
Basic Charges
Mobile Number
Vendor Services
Category
Id
Name
Vaccination
Mobile Number
Payment
Total
Customer name
Total Amount

DFD

Level 1:-

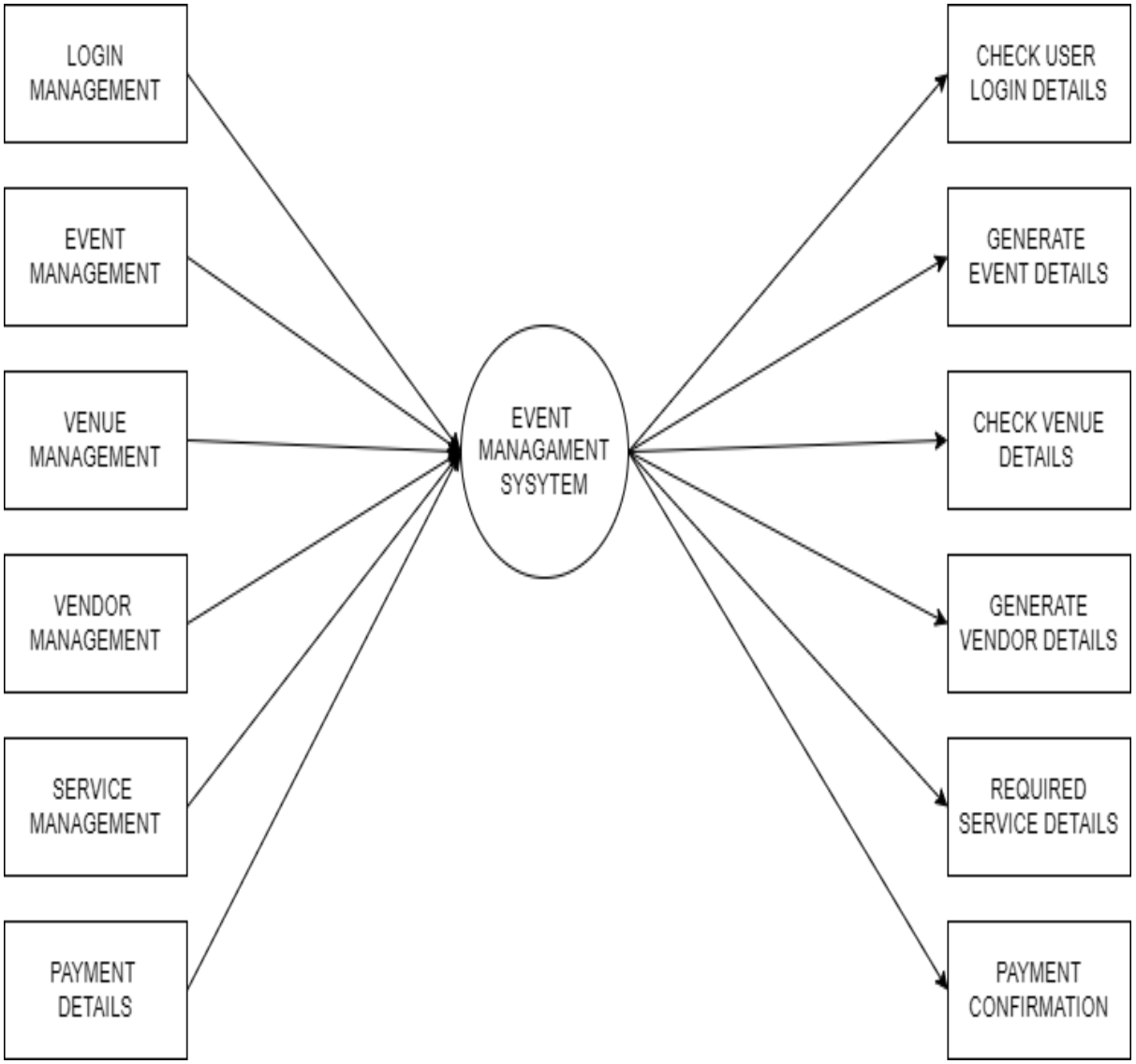

LOGIN MANAGEMENT
EVENT MANAGEMENT
VENUE MANAGEMENT
VENDOR MANAGEMENT
SERVICE MANAGEMENT
PAYMENT DETAILS
EVENT MANAGAMENT SYSYTEM
CHECK USER LOGIN DETAILS
GENERATE EVENT DETAILS
CHECK VENUE DETAILS
GENERATE VENDOR DETAILS
REQUIRED SERVICE DETAILS
PAYMENT CONFIRMATION

TABLE STRUCTURE

Tables:

```
+---------------------------+
| Tables_in_event_db_final  |
+---------------------------+
| events                    |
| user                      |
| users_ratings             |
| vendor                    |
| vendor_attachment         |
| venue                     |
| venue_images              |
+---------------------------+
```

User:

```
+----------+-------------+------+-----+---------+----------------+
| Field    | Type        | Null | Key | Default | Extra          |
+----------+-------------+------+-----+---------+----------------+
| userid   | int         | NO   | PRI | NULL    | auto_increment |
| name     | varchar(50) | YES  |     | NULL    |                |
| email    | varchar(50) | YES  | UNI | NULL    |                |
| password | varchar(20) | YES  |     | NULL    |                |
| role     | varchar(50) | YES  |     | user    |                |
+----------+-------------+------+-----+---------+----------------+
```

Events:

```
+----------------+-------------+------+-----+---------+----------------+
| Field          | Type        | Null | Key | Default | Extra          |
+----------------+-------------+------+-----+---------+----------------+
| eventid        | int         | NO   | PRI | NULL    | auto_increment |
| vendorid       | int         | YES  | MUL | 1       |                |
| venueid        | int         | YES  | MUL | NULL    |                |
| userid         | int         | YES  | MUL | NULL    |                |
| payment_status | varchar(50) | YES  |     | NULL    |                |
| amount         | int         | YES  |     | NULL    |                |
| rating_status  | varchar(10) | YES  |     | NULL    |                |
+----------------+-------------+------+-----+---------+----------------+
```

User Rating:

Field	Type	Null	Key	Default	Extra
ratingid	int	NO	PRI	NULL	auto_increment
userid	int	YES	MUL	NULL	
ratings	float	NO		NULL	
feedback	varchar(100)	NO		NULL	

Vendor:

Field	Type	Null	Key	Default	Extra
vendorid	int	NO	PRI	NULL	auto_increment
name	varchar(50)	YES		NULL	
description	varchar(500)	YES		NULL	
rates	int	YES		NULL	
vaccination	varchar(50)	YES		NULL	
experience	varchar(500)	YES		NULL	
category	varchar(500)	YES		NULL	
city	varchar(100)	YES		NULL	
mobile_no	varchar(50)	YES	UNI	NULL	
question	varchar(500)	YES		NULL	
answer	varchar(500)	YES		NULL	
flag	int	YES		1	

Vendor Attachment:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
photo	blob	YES		NULL	
vendorid	int	YES		NULL	

Venue:

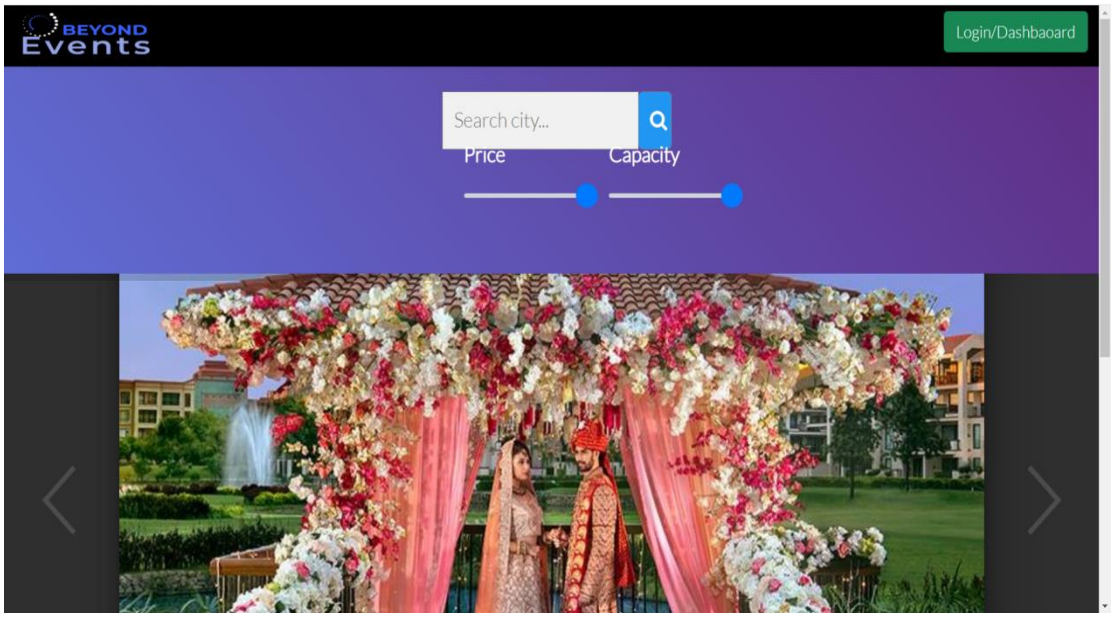
Field	Type	Null	Key	Default	Extra
venueid	int	NO	PRI	NULL	auto_increment
venue_name	varchar(15)	NO		NULL	
email	varchar(50)	NO		NULL	
venueCapacity	int	YES		NULL	
mobile_no	varchar(50)	NO		NULL	
price	int	NO		NULL	
description	varchar(200)	NO		NULL	
event	varchar(45)	YES		NULL	
city	varchar(45)	YES		NULL	

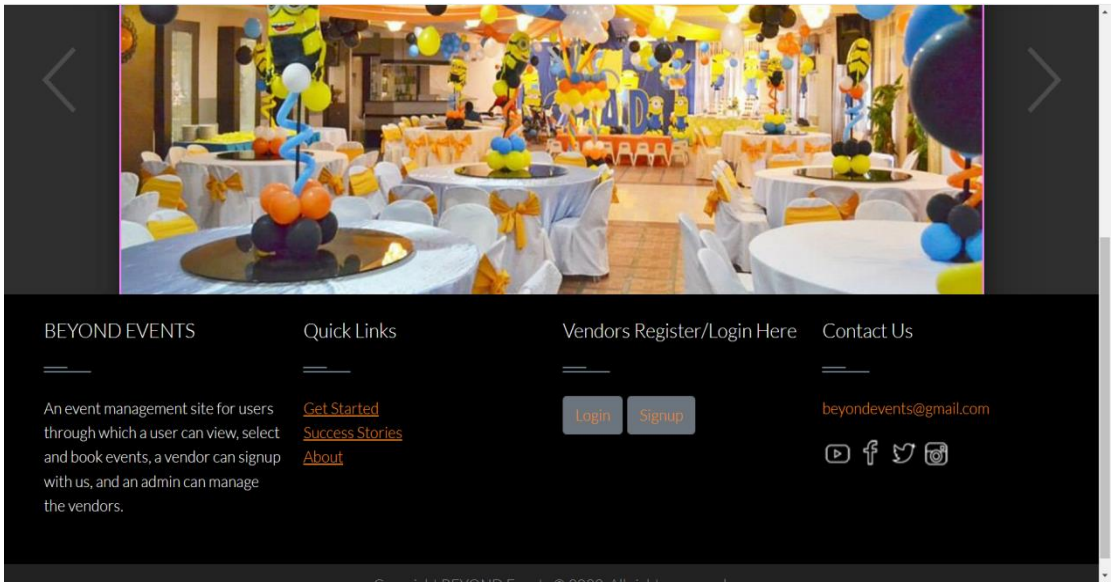
Venue Images:

Field	Type	Null	Key	Default	Extra
image_id	int	NO	PRI	NULL	auto_increment
venueimg	varchar(150)	YES		NULL	
venueid	int	YES		NULL	

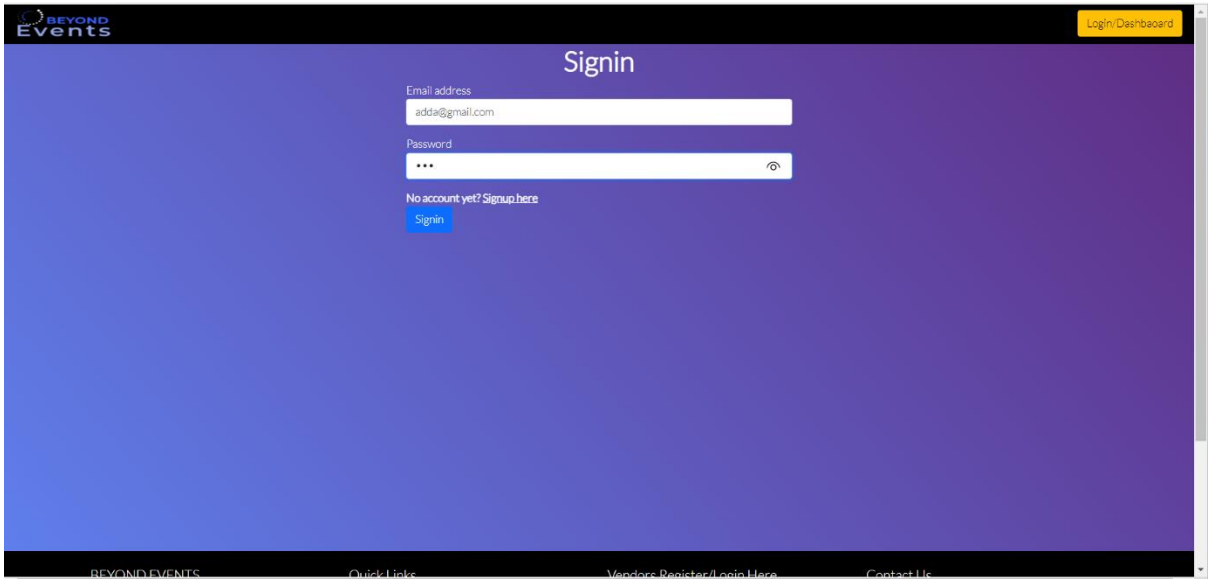
PROJECT DIAGRAMS

Home page:-

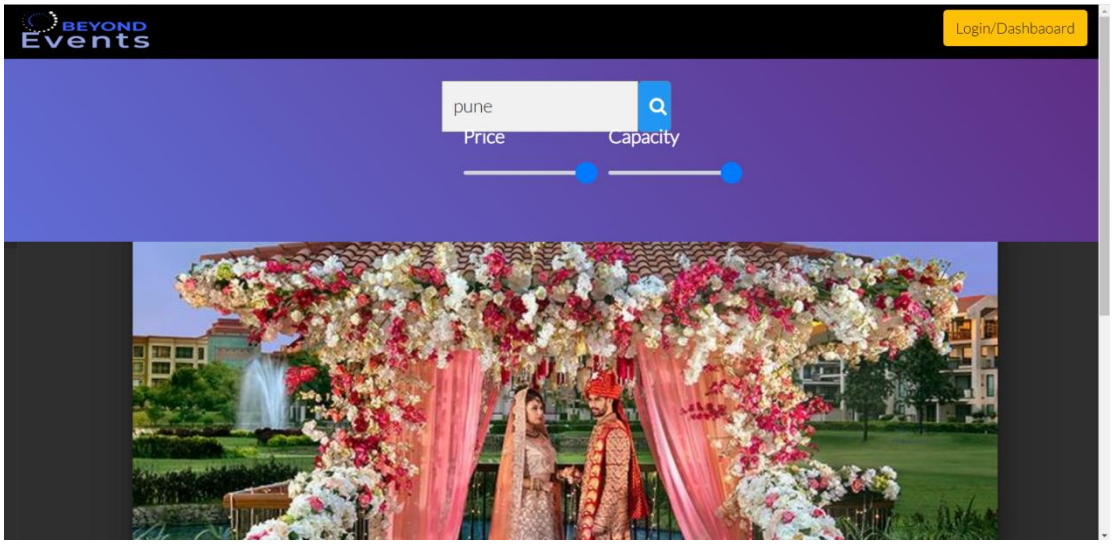




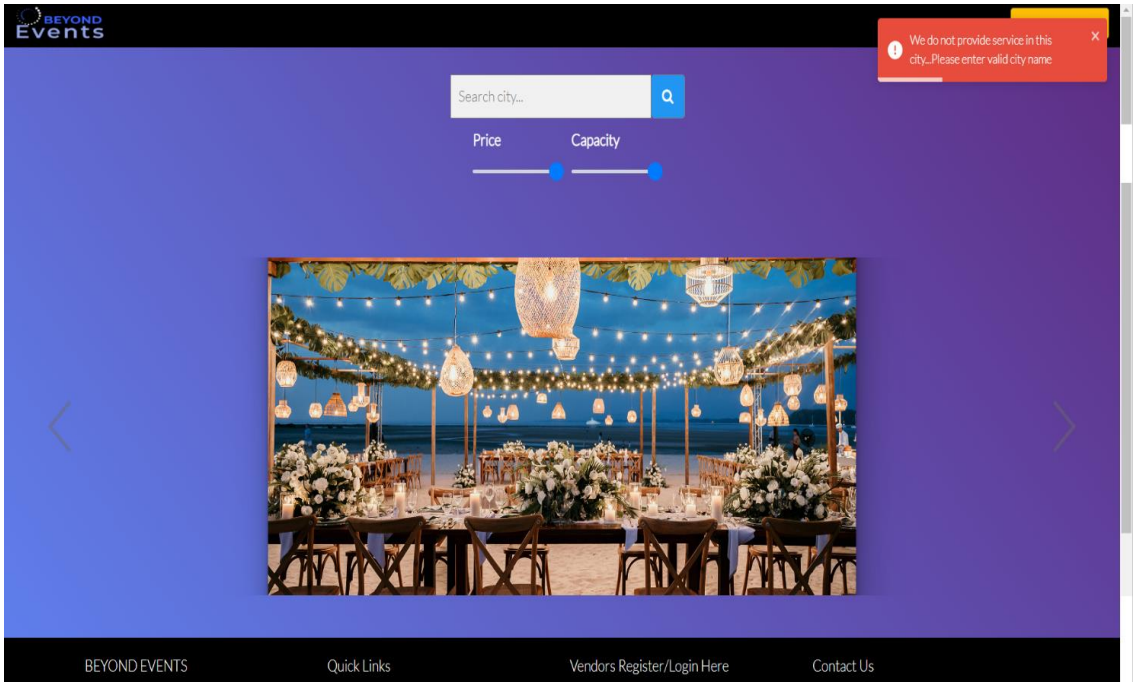
User/admin login:-
If login correctly , choose for city:-



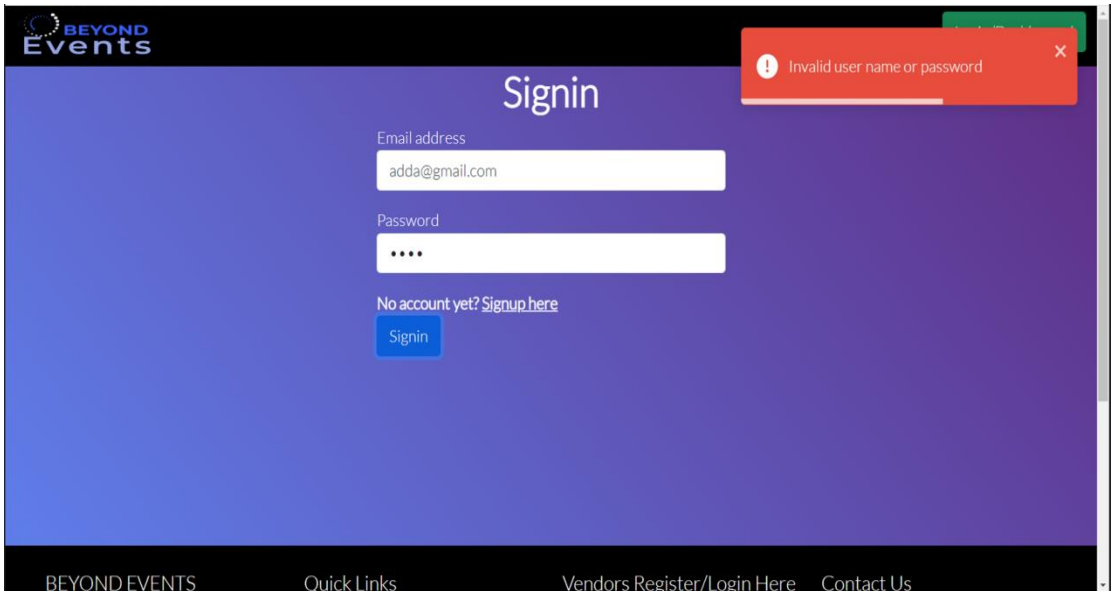
Choosing city(if present):-



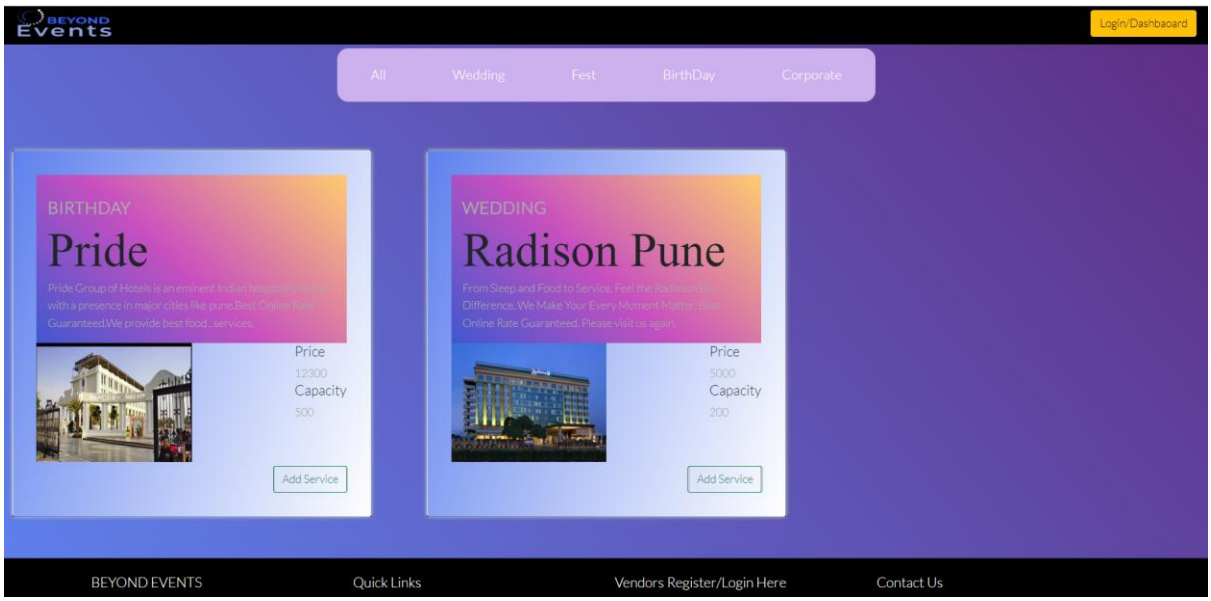
Choosing city(if not present):-



If login details are incorrect:-

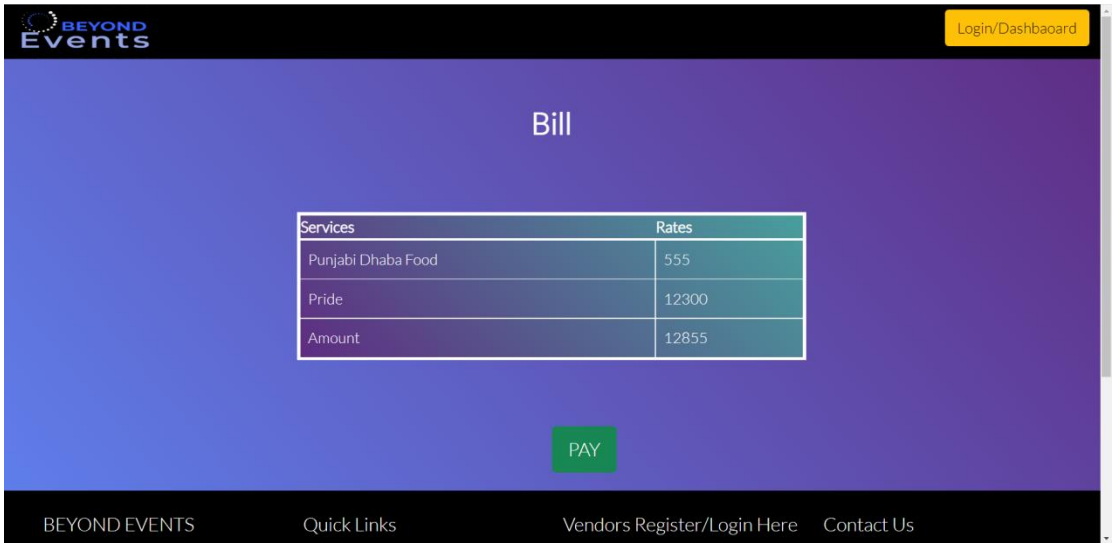


User can select any event according to needs:-

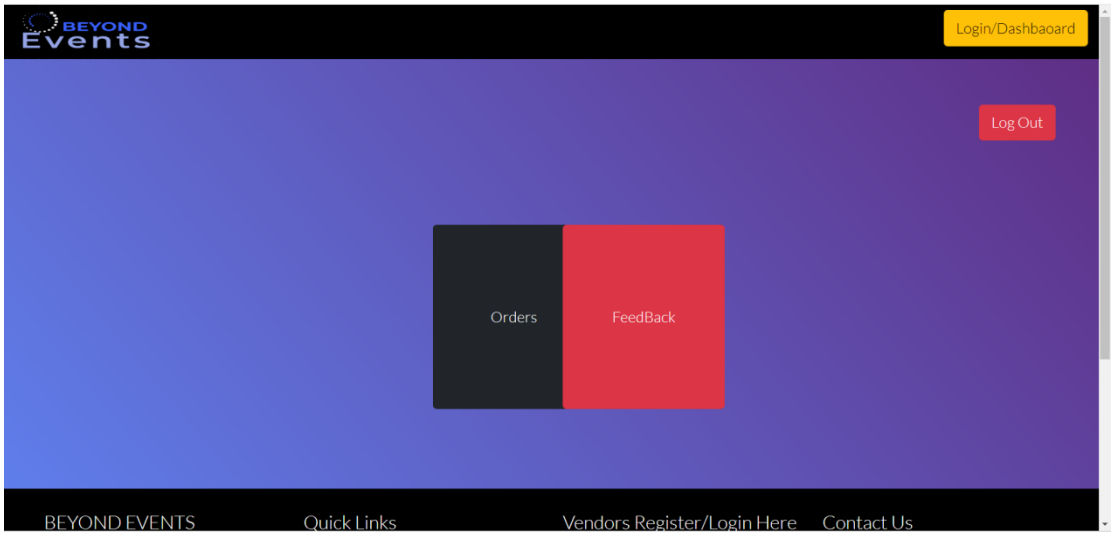


Select any Service:-

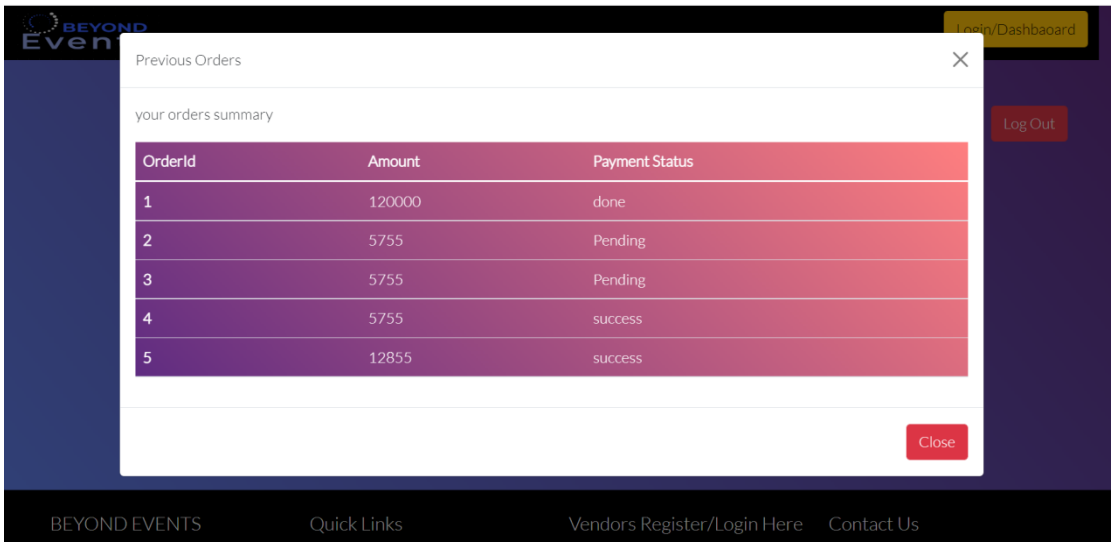
Total Bill:-



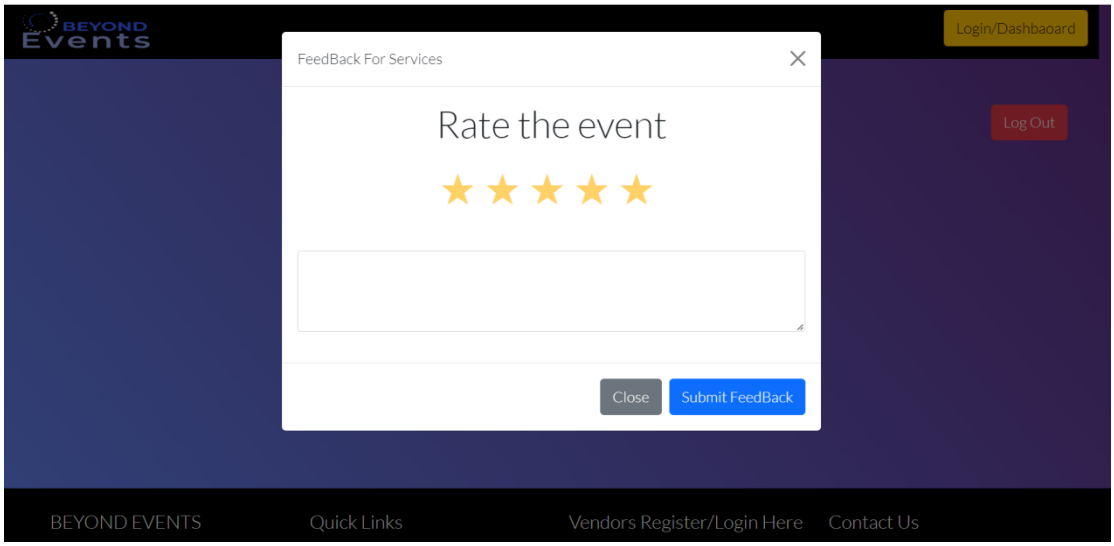
Feedback/Orders Page:-



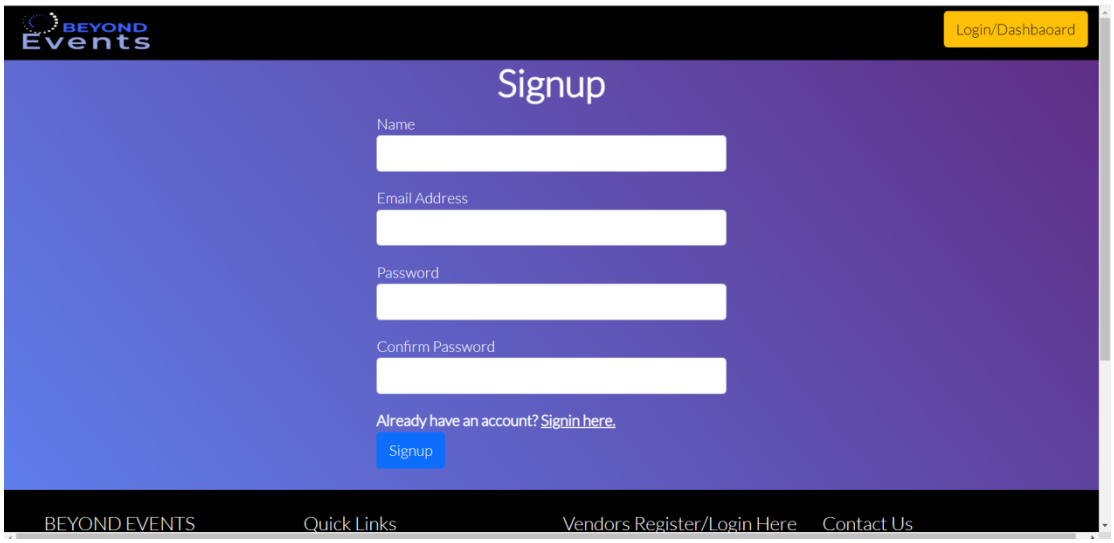
Order Summary:-



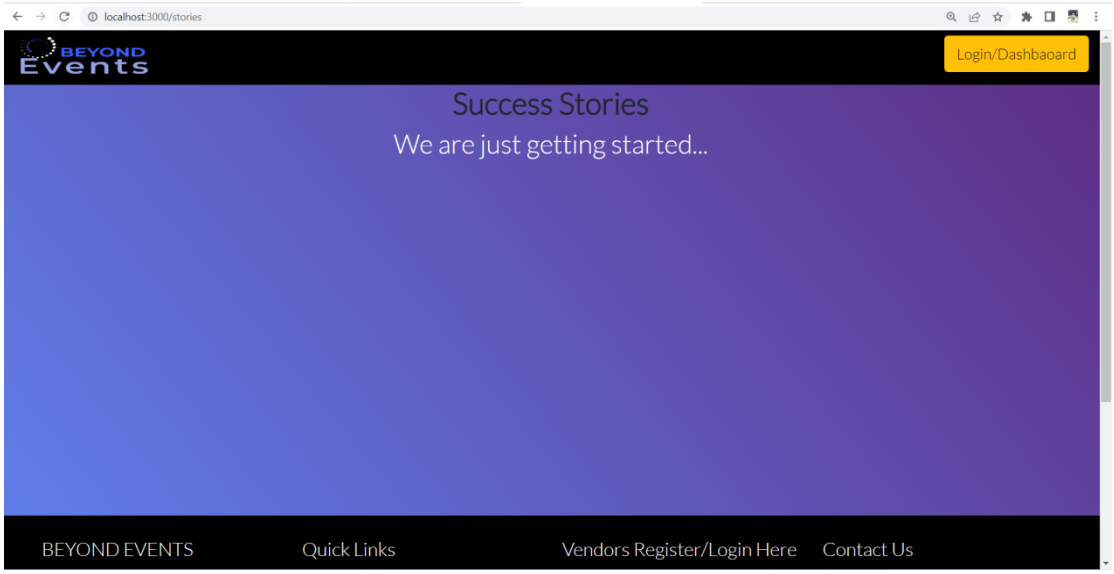
Feedback:-



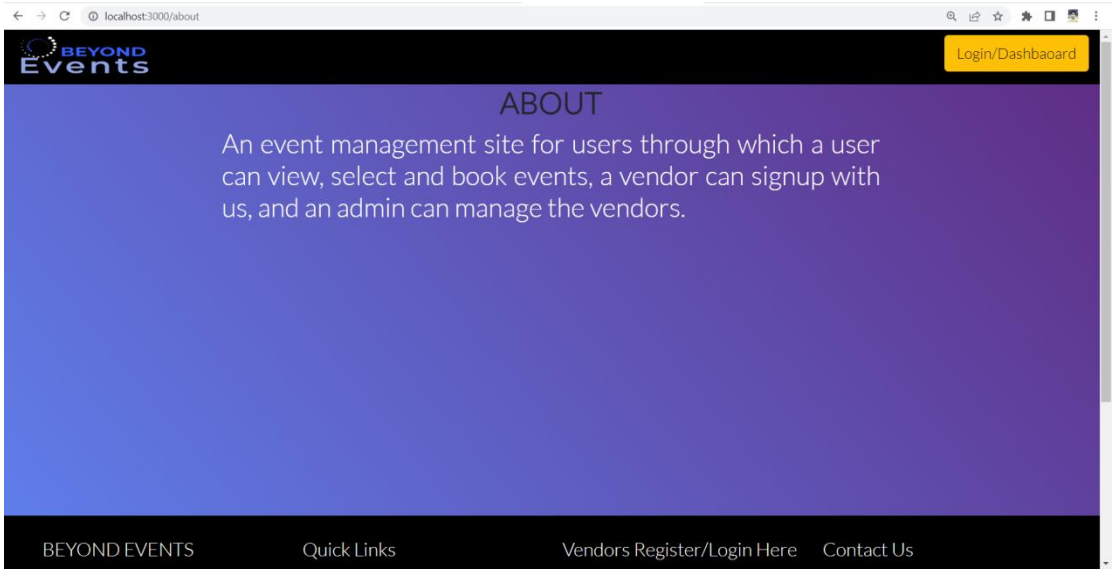
Add New User:-



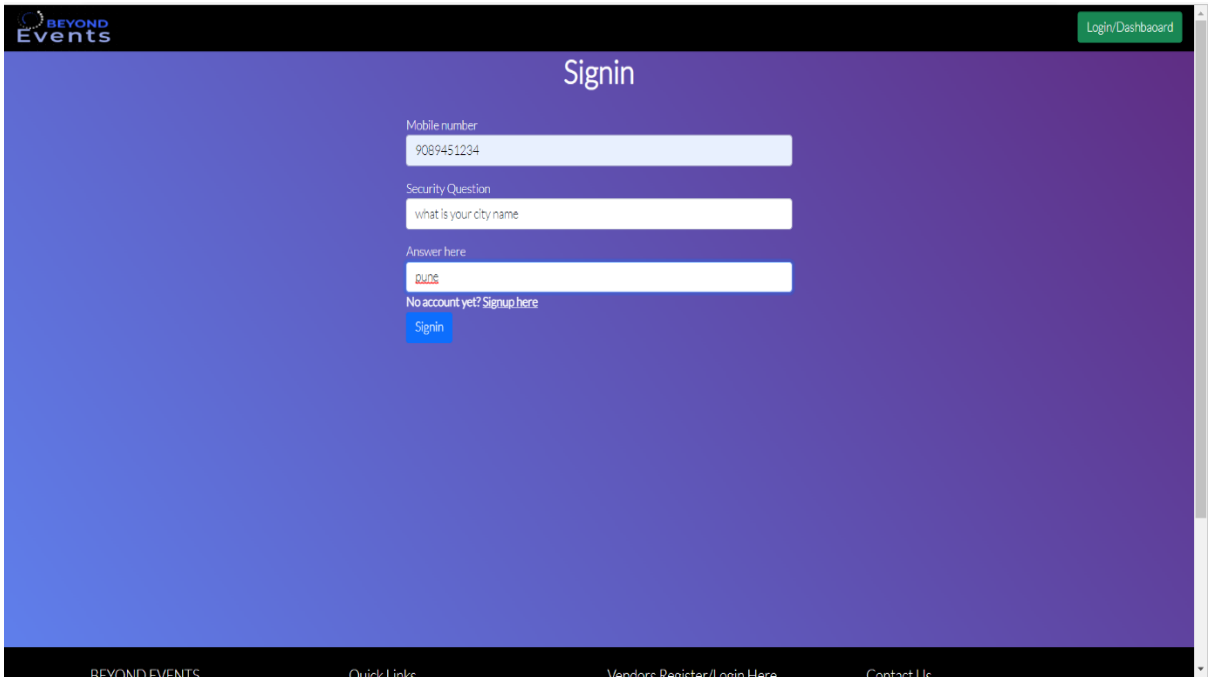
Story:-



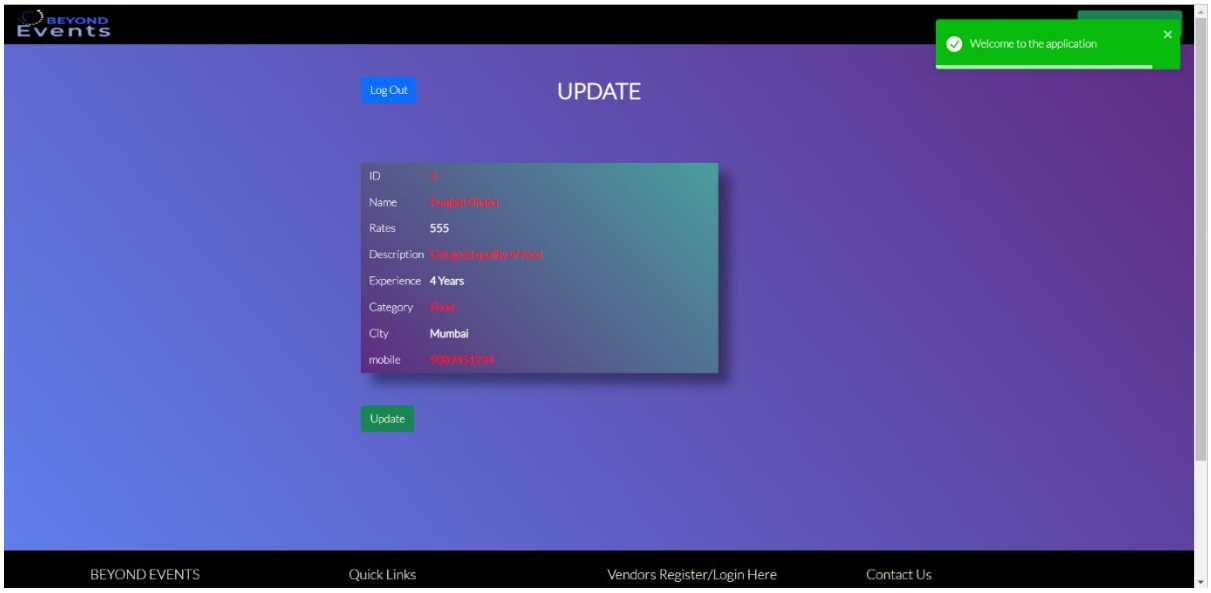
About:-



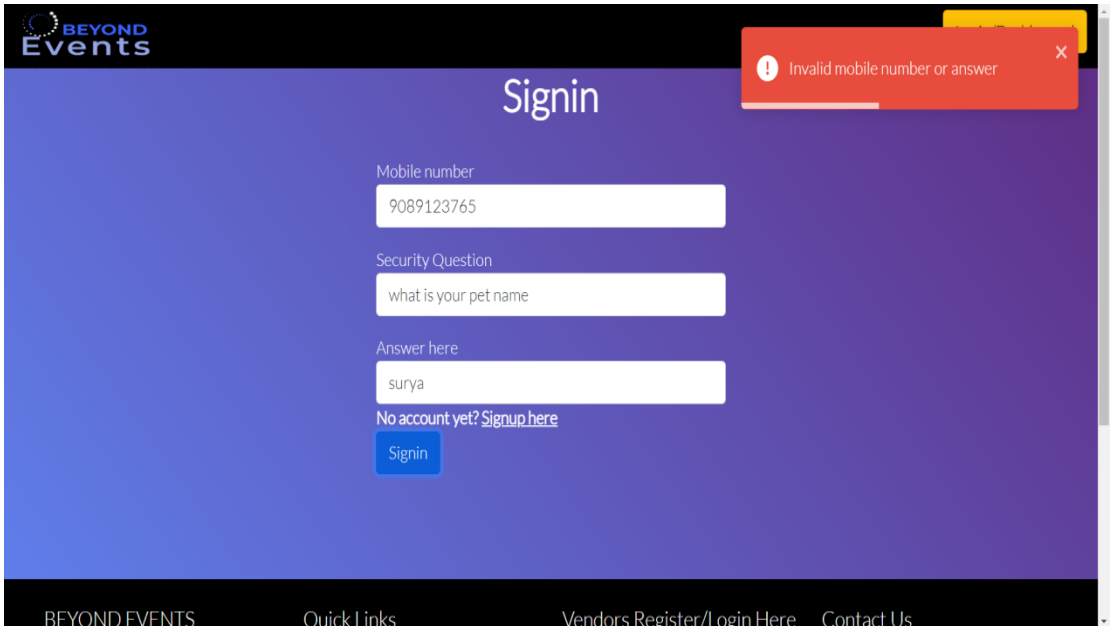
Vendor Login:-



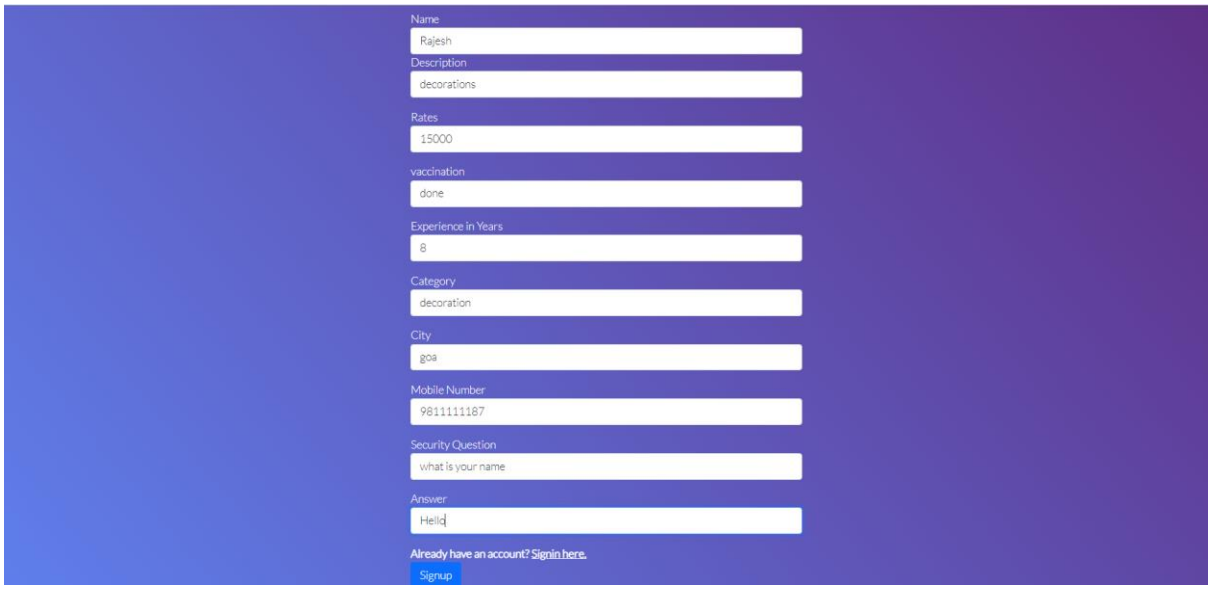
Vendor details:-



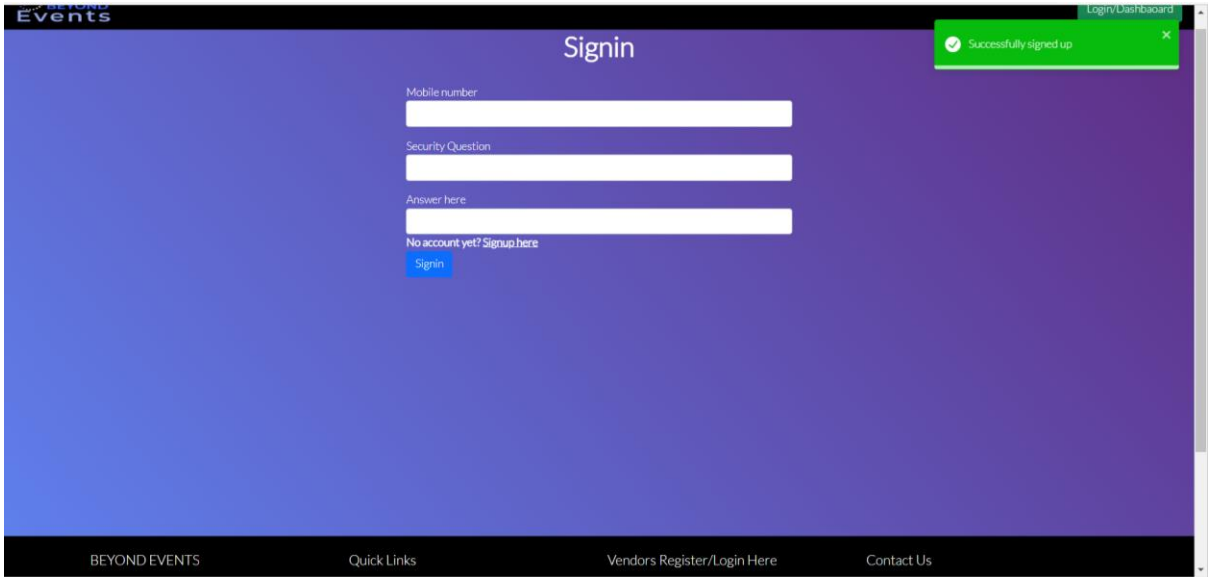
Vendor try to login in with wrong credentials:-



New Vendor:-



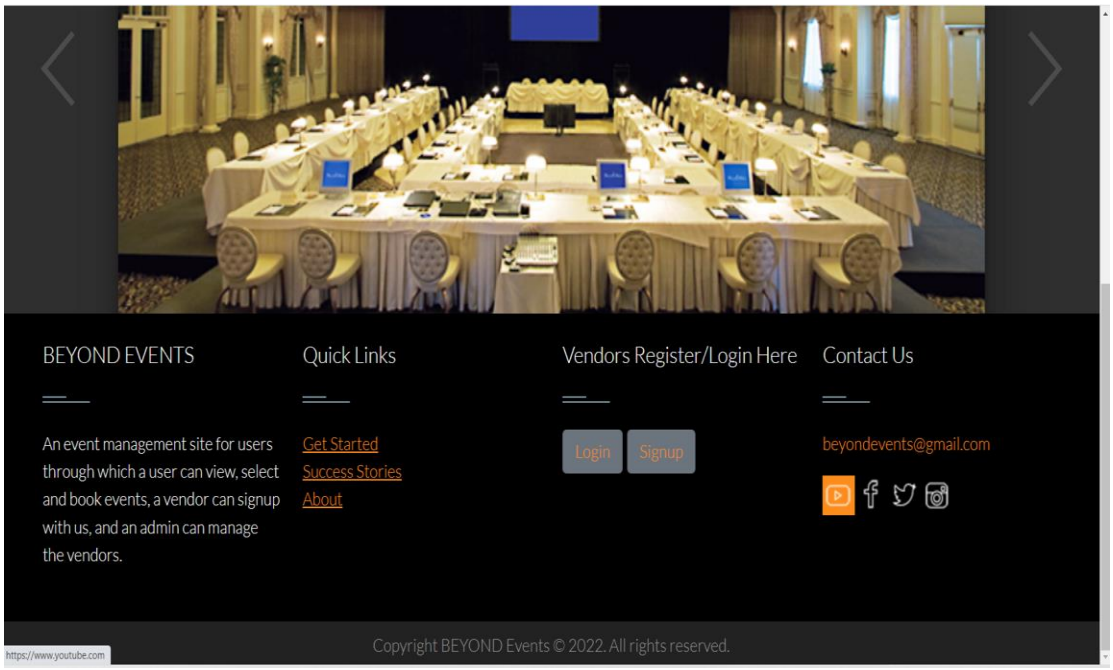
New vendor registered:-



Admin Page(add vendor):-

Added Vendor By the Admin:-

Sign of twitter/fb/youtube will open that page:-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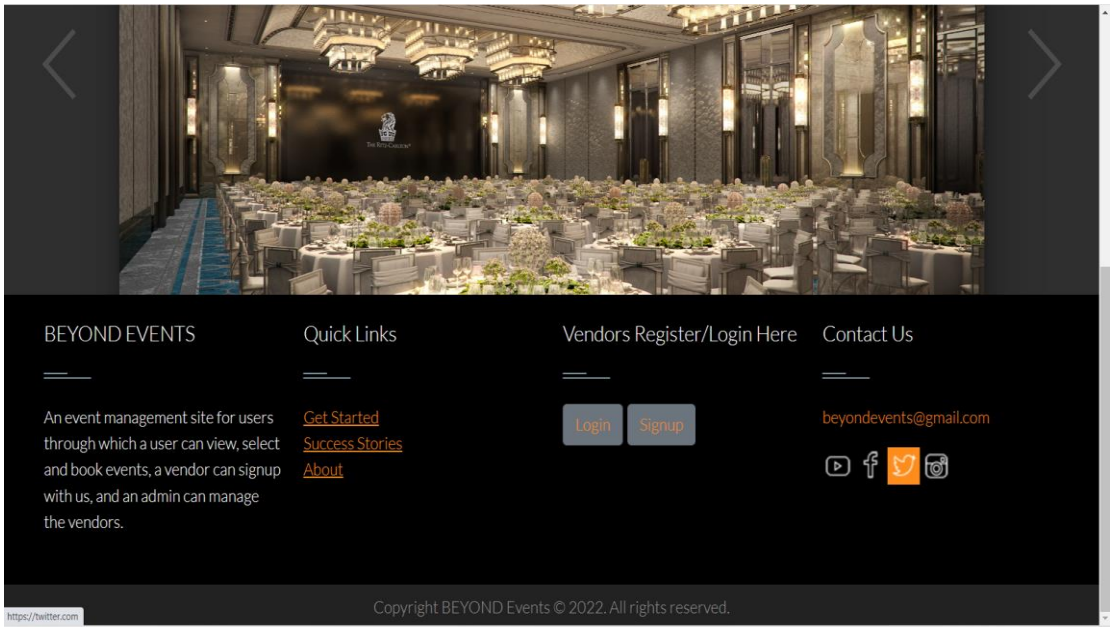
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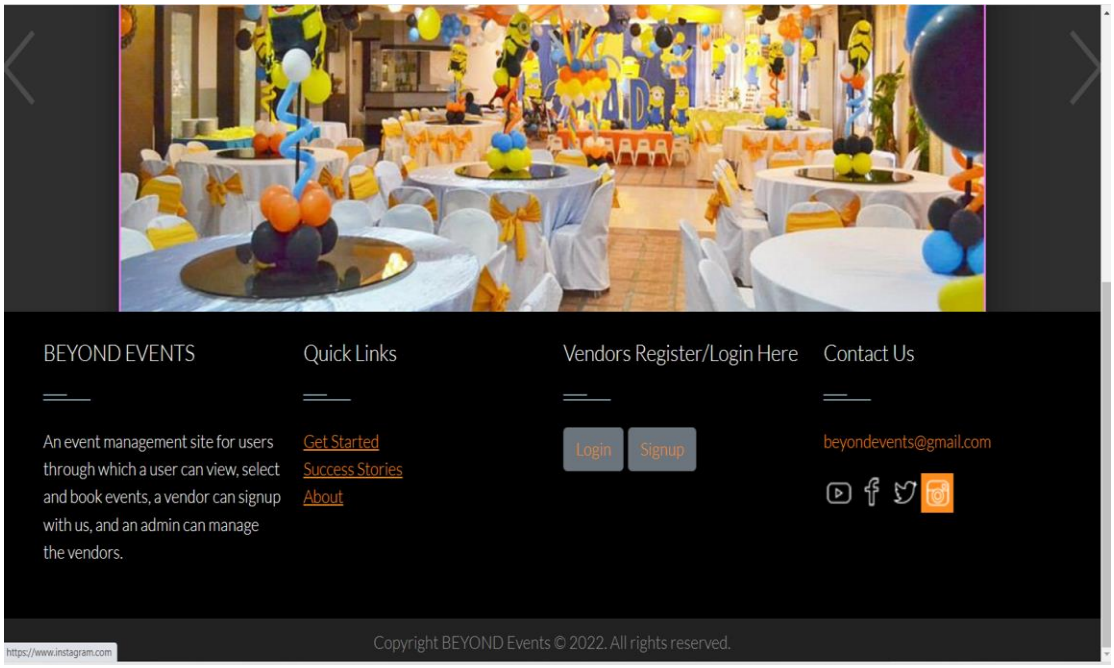
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CONCLUSION

Event management is a glamorous and exciting profession which demands a lot of hard work and dynamism. As the name suggests, it means conceptualizing, planning, organizing and finally executing an event. The event could be of any type – wedding, birthdays, fests etc. This industry is just eight years old in India, but holds a lot of promise for expansion. It offers enormous scope for ambitious young people. Event management is the planning and implementation of events, large and small that meet the marketing goals of an organization. Event management is an area that is growing rapidly, and is
expected to have a better growth rate in the next decade. Typical even ts organized byprofessional event managers include product launches, parties, sponsored events, sportingevents, competitions, concerts and festivals, fundraisers, trade shows, corporate open days, seminars. There is a scope for further development in our project to a great extent. A number of features can be added to this system in future like adding events like seminar, awards show etc and adding multiple services to the events and search event by date too. Another feature we wished to implement was providing subscribed user 5% off. These features could have implemented unless the time did not limit us.

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