

1. INTRODUCTION TO PROJECT

The **Event Management System** is a comprehensive web-based platform designed to streamline the process of organizing, managing, and executing various types of events. The system serves as a centralized hub connecting users (event requesters), event managers (coordinators), and service providers such as **venue owners**, **caterers**, and **photographers**.

A. User Role

Users can browse available dates and times, and book an event by submitting a request to an **Event Manager**. During the booking process, users provide event details such as type, expected attendees, preferred venue, and budget.

B. Event Manager Role

Event Managers serve as coordinators who handle the complete execution of the booked event. Their responsibilities include:

- Reviewing user requests and confirming availability.
- Coordinating with **caterers**, and **photographers** based on the requirements and date.
- Managing contracts, scheduling, and logistics for all involved service providers.
- Keeping the user updated with progress and confirmations.

C. Service Providers/vendors

The system maintains an up-to-date database of:

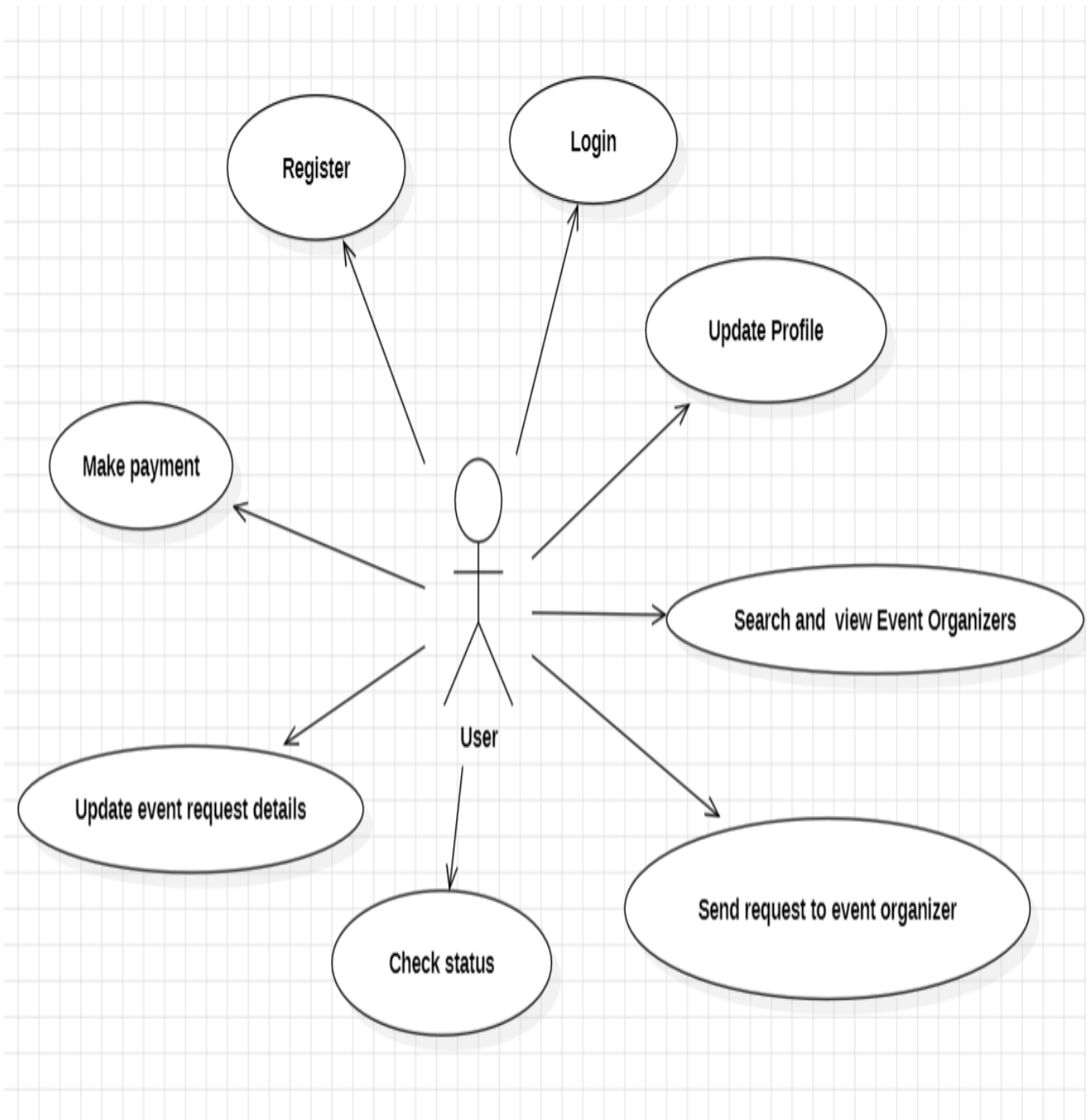
- **Venues** with location, capacity, and availability.
- **Catering services** with menus and pricing.
- **Photographers** with portfolios and booking rates.

Event Managers use this data to efficiently assign and manage service providers for each event, ensuring smooth execution.

2.REQUIREMENTS

2.1 FUNCTIONAL REQUIREMENTS

2.1.1 User Account



1. Users/Clients

Role:

The **User** is the person or client who wants to organize an event (e.g., wedding, birthday, corporate meeting). This module allows users to initiate and monitor their event requests.

Key Functionalities:

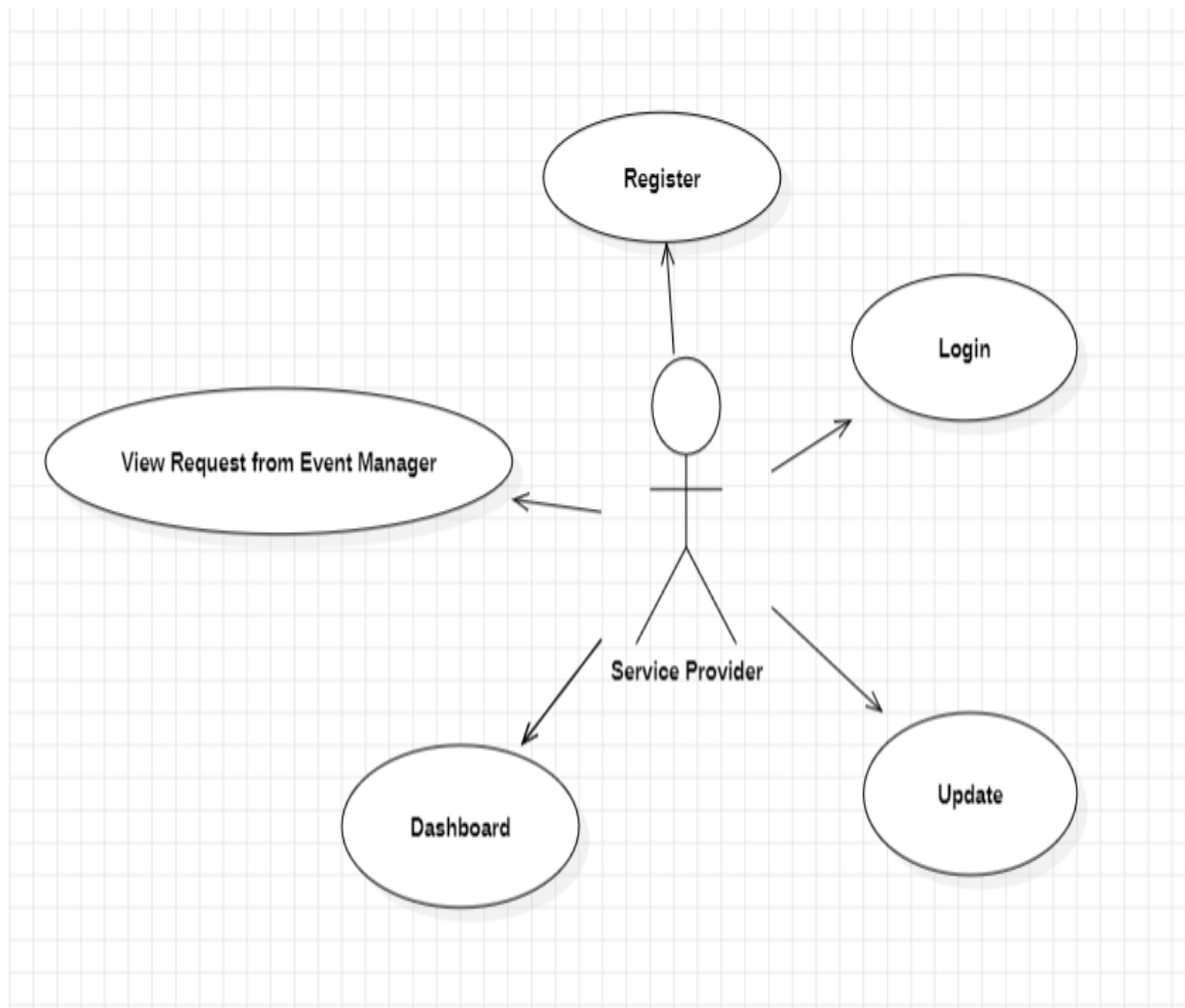
- **Register/Login:** Create an account, securely log in, and manage their profile.

- **Browse & Book Events:**
 - Choose date, time, event type, and location preferences.
 - Submit event request to Event Manager with specifications (e.g., expected guests, services required).

- **View Event Status:**
 - Track event planning progress.

View assigned venue, caterer, photographer, etc.

2.1.1 Vendors / Service Providers



2.1.2 Service Providers

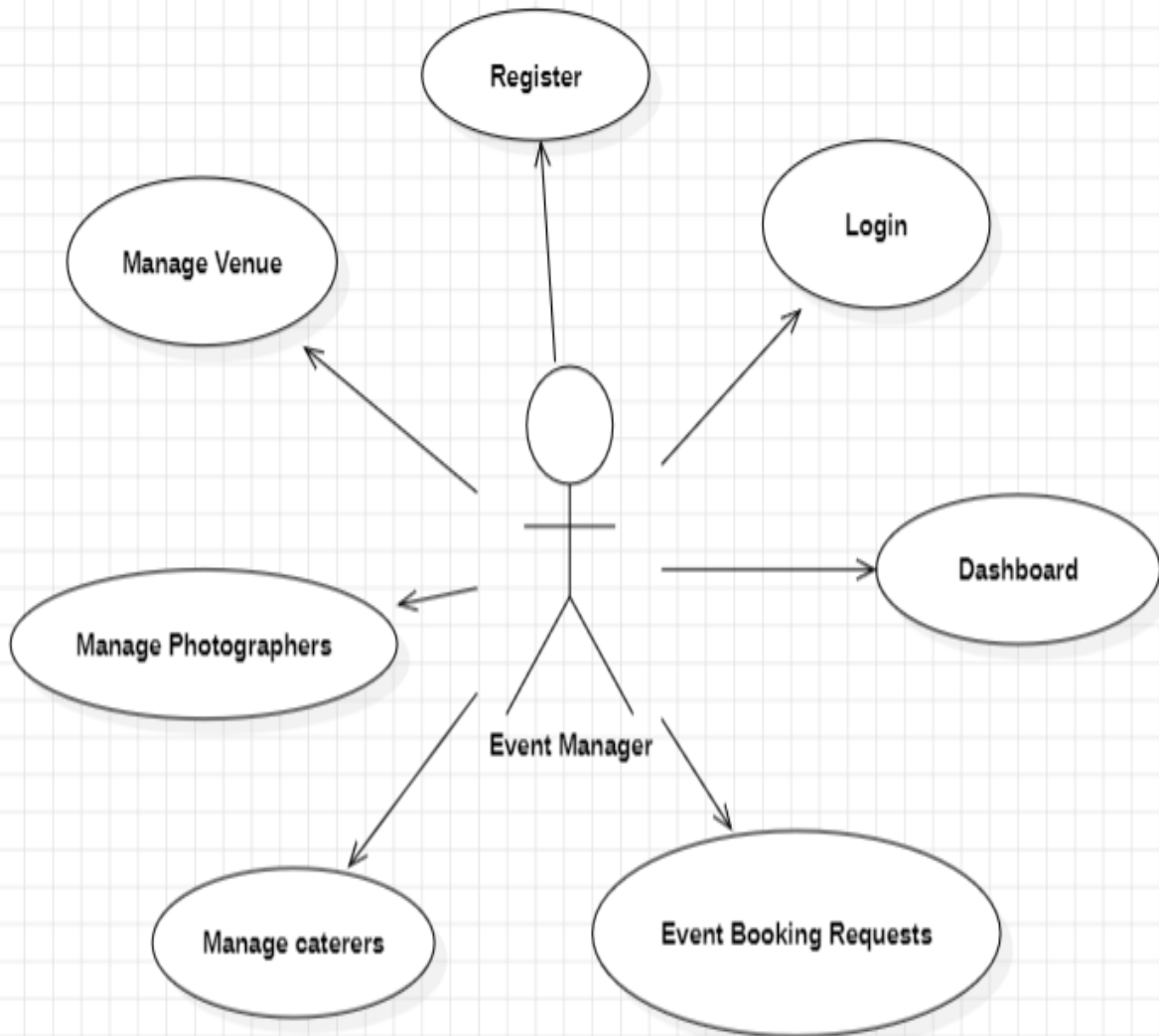
Role:

The **Service Providers** are third-party vendors who are contracted by the Event Manager to fulfill specific roles during the event. This includes **Venue Owners, Caterers, and Photographers.**

Key Functionalities:

- **Vendor Registration:** Create an account, securely log in, and manage their profile.
- **Service Profile:**
 - Provide details such as services offered, rates, availability, capacity, and location.
 - Upload media (menus, venue photos, portfolios)
- **Availability Management:**
 - Set available dates/times.
 - Update service availability calendar.
- **Booking Confirmations:**
 - Accept or reject booking requests from Event Managers.
- **Work History & Feedback:**
 - View past assignments and user feedback.
 - Maintain a rating or performance record.

▪ **2.1.3 Event Organizer/Manager**



3. Event Organizer/Manager

Role:

The **Event Manager** acts as the coordinator and main handler of the event from the moment a user submits a booking request. They are responsible for organizing and managing all aspects of the event, liaising between the user and service providers.

Key Functionalities:

- **Dashboard:**
 - View all incoming event requests.
 - Accept or decline based on availability.
- **Event Planning:**
 - Assign and book available **venues, caterers, and photographers.**
 - Manage timelines, schedules, and tasks.
- **Resource Management:**
 - Access and update the database of service providers.
 - Ensure that all bookings are confirmed and logistics are in place.
- **Reporting & Analytics:**
 - View event status summaries, upcoming deadlines, and overall performance.

Module	Initiates	Coordinates With	Receives Updates
User	Event request	Event Manager	Status, Confirmation
Event Manager	Event planning	Service Providers & User	Confirmation, Feedback
Service Provider	Service data	Event Manager	Booking requests

2.2 NON FUNCTIONAL REQUIREMENTS

2.2.1 Interface

Go to Appendix A for user interfaces

2.2.2 Performance

- **Number of Concurrent Users:**

The Event Management System (EMS) shall be able to handle at least 500 concurrent users performing registrations, bookings, and inquiries per second.

- **Booking & Registration:**

The system is designed to continue functioning even in the event of temporary server or network interruptions by leveraging the fault-tolerant features of the chosen framework (e.g., Spring Boot and Hibernate). Registrations or bookings will resume once connectivity is restored without loss of already submitted data.

2.2.3 Constraint

EMS shall be able to handle at least 500 transactions/inquiries per second.

2.2.4 Other Requirements:

- **Hardware Interfaces**

The EMS is expected to function on Intel Core i3 2.0 GHz Processor equivalent or above, 4 GB RAM, and 40 GB HDD.

- **Software Interfaces**

The EMS shall work on modern operating systems such as Windows 10, Windows 11, or Linux-based systems.

- It is configured to work with MySQL or PostgreSQL databases. This system runs on Apache Tomcat server (version 9 or above) or any compatible Java application server. It supports major web browsers including Google Chrome, Mozilla Firefox, Microsoft Edge, and Safari.

2. DESIGN

3.1 Database Design

The following table structures depict the database design.

Table1: User Info

```
root>desc users;
```

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
creation_date	date	YES		NULL	
updated_on	datetime(6)	YES		NULL	
email	varchar(30)	YES	UNI	NULL	
first_name	varchar(20)	YES		NULL	
last_name	varchar(30)	YES		NULL	
mobile	varchar(10)	NO	UNI	NULL	
password	varchar(10)	NO		NULL	
o_id	bigint	YES	MUL	NULL	

```
9 rows in set (0.00 sec)
```

Table2: Administrator Login/ Event Organizer

```
root>desc organizer;
```

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
address	varchar(255)	NO		NULL	
creation_date	date	YES		NULL	
email	varchar(255)	NO	UNI	NULL	
first_name	varchar(50)	NO		NULL	
last_name	varchar(50)	NO		NULL	
mobile	varchar(255)	NO	UNI	NULL	
organization_name	varchar(255)	NO		NULL	
password	varchar(12)	NO		NULL	
image_data	tinyblob	YES		NULL	
updated_on	datetime(6)	YES		NULL	

```
11 rows in set (0.00 sec)
```

Table3: Vendors/Service Providers

```
ERROR 1146 (42S02): Table 'project.vendor' doesn't exist
root>desc vendors;
```

Field	Type	Null	Key	Default	Extra
vid	bigint	NO	PRI	NULL	auto_increment
address	varchar(255)	YES		NULL	
business_name	varchar(255)	YES		NULL	
category	varchar(50)	NO		NULL	
category_name	varchar(50)	YES		NULL	
email	varchar(50)	NO	UNI	NULL	
first_name	varchar(30)	NO		NULL	
last_name	varchar(30)	NO		NULL	
mobile	varchar(10)	NO	UNI	NULL	
password	varchar(100)	NO		NULL	
image_data	tinyblob	YES		NULL	
registered_at	date	YES		NULL	
status	varchar(10)	NO		NULL	
event_id	bigint	YES	MUL	NULL	

14 rows in set (0.00 sec)

Table4: Events

```
root>desc events;
```

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
budget	int	NO		NULL	
capacity	int	NO		NULL	
date_time	datetime(6)	YES		NULL	
description	varchar(1000)	YES		NULL	
event_name	varchar(255)	YES		NULL	
status	varchar(20)	NO		PENDING	
venue	varchar(255)	YES		NULL	
organizer_id	bigint	YES	MUL	NULL	
user_id	bigint	YES	MUL	NULL	

```
10 rows in set (0.00 sec)
```

Table5: Event-Vendor

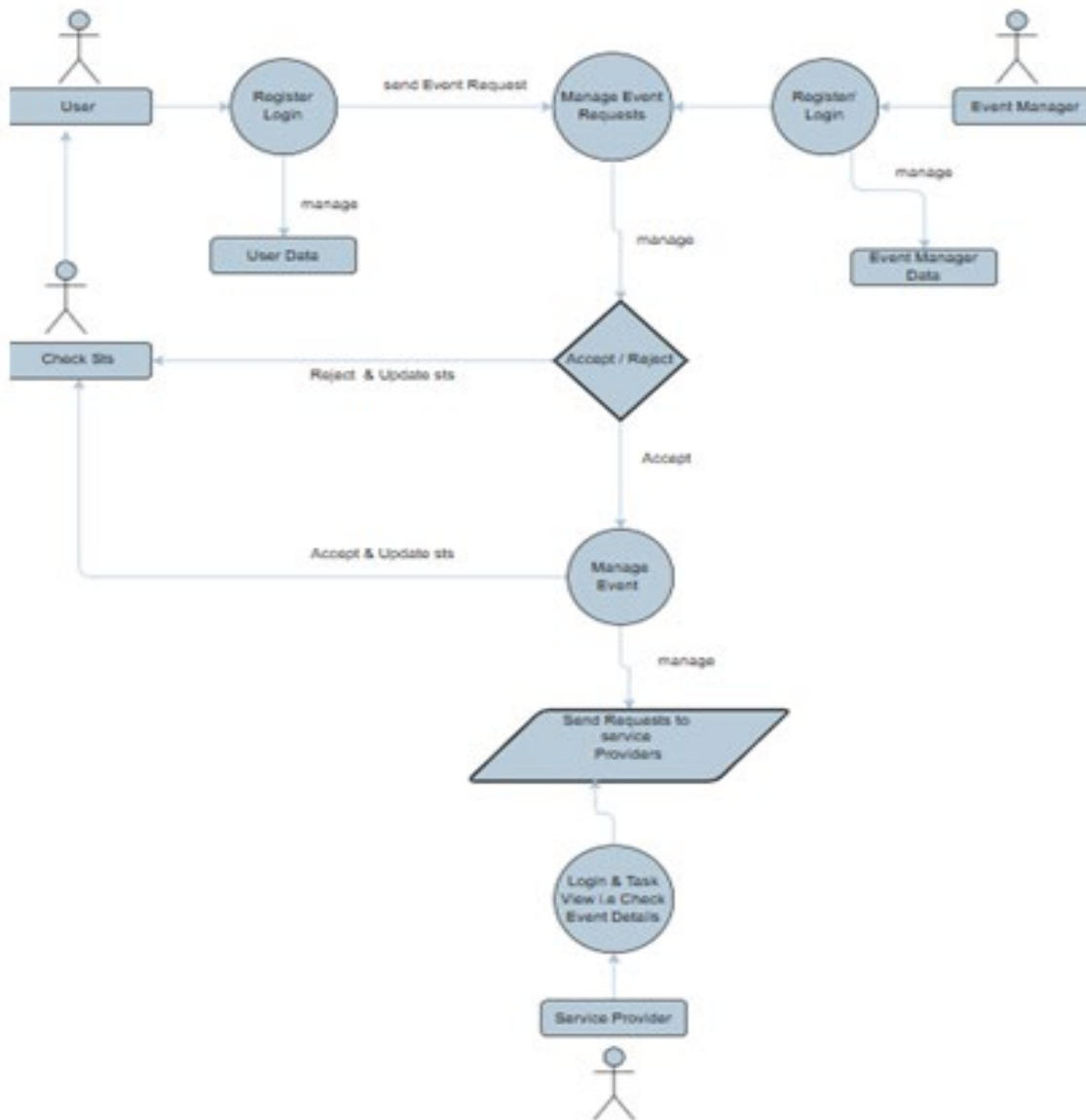
```
root>desc event_vendors;
```

Field	Type	Null	Key	Default	Extra
event_id	bigint	NO	MUL	NULL	
vendor_id	bigint	NO	MUL	NULL	

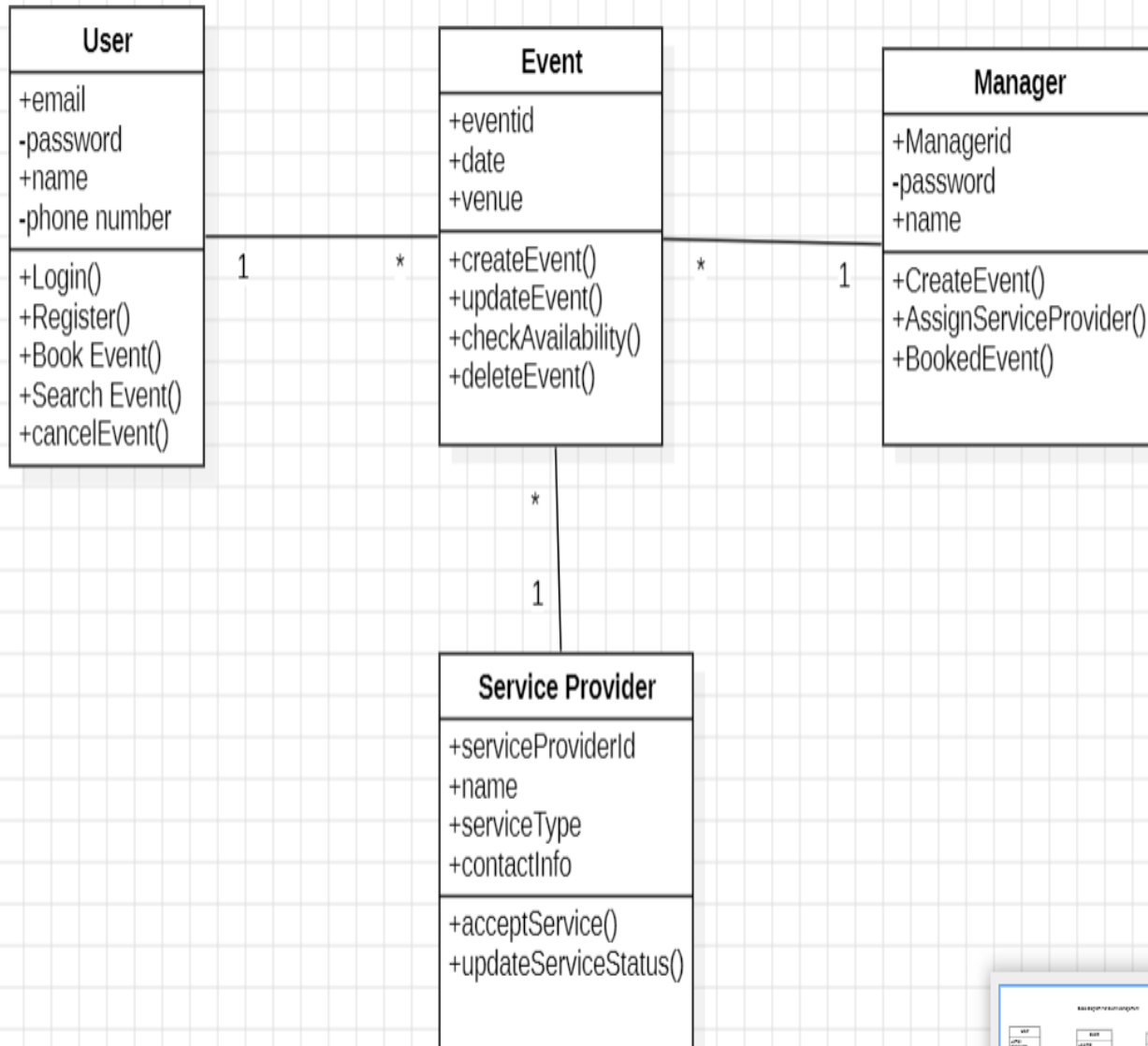
```
2 rows in set (0.01 sec)
```

E-R Diagram, Dataflow diagram and Class Diagram:

DATA FLOW DIAGRAM



Class Diagram For Event Management



4. CODING STANDARDS IMPLEMENTED

Naming and Capitalization

Below summarizes the naming recommendations for identifiers in Pascal casing is used mainly (i.e. capitalize first letter of each word) with camel casing (capitalize each word except for the first one) being used in certain circumstances.

Identifier	Case	Examples	Additional Notes
Class	Pascal	User, Vendor, UpcomingDetails, Organizer	Class names should be based on "objects" or "real things" and should generally be nouns . No ‘_’ signs allowed. Do not use type prefixes like ‘C’ for class.
Method	Camel	getDetails, updateDetails	Methods should use verbs or verb phrases.
Parameter	Camel	userName, vendorName	Use descriptive parameter names. Parameter names should be descriptive enough that the name of the parameter and its type can be used to determine its meaning in most scenarios.
Interface	Pascal with "I" prefix	Disposable	Do not use the ‘_’ sign
Property	Pascal	BlueColor, BlackColor	Use a noun or noun phrase to name properties.
Associated private member variable	_camelCase	_blueColor, _blackColor	Use underscore camel casing for the private member variables
Exception Class	Pascal with "Exception" suffix	WebException,	

Comments

- Comment each type, each non-public type member, and each region declaration.
- Use end-line comments only on variable declaration lines. End-line comments are comments that follow code on a single line.
- Separate comments from comment delimiters (apostrophe) or // with one space.
- Begin the comment text with an uppercase letter.
- End the comment with a period.
- Explain the code; do not repeat it.

5. TEST REPORT

Another group called Linux did the testing and the report of the testing is given hereunder.

GENERAL TESTING:

SR-NO	TEST CASE	EXPECTED RESULT	ACTUAL RESULT	ERROR MESSAGE
1	Register Page	Redirected to Next page	OK	Nothing
2	Login Page	Redirected to Login Page	Ok	Please enter username and password again .
3	Reset login	Users password will be reset	Ok	Nothing
4	Search bookings	Gives all event booking details	Ok	Nothing
5	Booking Event	Need to Check whether an event booked or not	Ok	Nothing
6	Checking login or not	User is logged in or not	Ok	Nothing
7	Update event details	Add more information regarding the event	Ok	Nothing
8	Go to Bookings Page	Set added information about user	Ok	Nothing
9	Add information in event table	Save this all data into event table	Ok	Nothing
10	Transaction	On back it should be reverted to previous page	Ok	Nothing
11	View transaction done	It shows that your event is booked	Ok	Nothing
12	Logout	It will logout from user profile.	Ok	Nothing
	STATIC TESTING			
SR-NO	Deviation	Program		
1	Commenting not followed	All Web Application		

6. PROJECT MANAGEMENT RELATED STATISTICS

DATE	WORK PERFORMED	SLC Phase	Additional Notes
JUL 19,2025	Project Allotment and User Requirements Gathering	Feasibility Study	Our team met the client Mr. Nitin kudale (CEO, SIITPune) to know his requirements.
JUL 21,2025	Initial SRS Document Validation And Team Structure Decided	Requirement Analysis (Elicitation)	The initial SRS was presented to the client to understand his requirements better
JUL 22,2025	Designing the use-cases, Class Diagram, Collaboration Diagram, E-R Diagram and User Interfaces	Requirement Analysis & Design Phase	Database Design completed
JUL 23,2025	Business Logic Component design Started	Design Phase	-----
JUL 24,2025	Coding Phase Started	Coding Phase	70% of Class Library implemented.
JUL 26,2025	Implementation of Web Application and Window Application Started	Coding Phase	Class Library Development going on.
JUL 27, 2025	Off	Off	Off
JUL 28, 2025	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	Class Library Modified as per the need.
JUL 29, 2025	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	--

Event Management System

JUL 30, 2025	After Ensuring Proper Functioning the Required Validations were Implemented	Coding Phase and Unit Testing	Module Integration was done by the Project Manager
JUL 31, 2025	The Project was Tested by the respective Team Leaders and the Project Manager	Testing Phase (Module Testing)	--
AUG 2, 2025	The Project was Submitted to Other Project Leader of Other Project Group For Testing	Testing Phase (Acceptance Testing)	The Project of Other Team was Taken up by the Team for Testing
AUG 4, 2025	The Errors Found were Removed	Debugging	The Project was complete for submission
AUG 11, 2025	Final Submission of Project		

AppendixA

Homepage:

Event Mania
Where Moments Become Memories

Home Logins ▾ User Login

Discover Top Event Organizers Near You


Search for the best event planners to make your event memorable!

Search

Event Organizers


All Wedding Corporate Party

Event Themes




Royal Wedding

Explore




Corporate Gala

Explore



Social Event

Explore



Birthday Party

Explore

User LoginPage:

Event Mania

Where Moments Become Memories

[Home](#) [Logins ▾](#) [User Login](#)

User Sign In

[Forgot Password?](#)

Sign In

[Don't have an account? Sign Up](#)

Organizer Sign In:

Event Mania

Where Moments Become Memories

[Home](#) [Logins ▾](#) [User Login](#)

Organizer Sign In

[Forgot Password?](#)

Sign In

[Don't have an account? Create](#)

Vendor Sign In:

Event Mania

Where Moments Become Memories

[Home](#) [Logins](#) [User Login](#)

Vendor Sign In

[Forgot Password?](#)

Sign In

[Don't have an account? Sign Up](#)

Create New Event:

Create New Event

Event Name

Date & Time

dd-mm-yyyy --:--



Venue

Select Venue



Capacity

Budget

Event Description

Create Event

My Booking:

My Bookings

Sr No	Event Name	Organizer	Date & Time	Venue	Budget	Action
1	string	Rosewood Events	05/08/2025, 00:00:00	string	Rs 150000	Update Pay Delete APPROVED
2	string	N/A	05/08/2025, 13:36:44	string	Rs 50000	Update Pay Delete APPROVED
3	Baby shower	N/A	31/08/2025, 00:00:00	City Convention Center	Rs 50000	Update Pay Delete APPROVED
4	string	N/A	05/08/2025, 13:36:44	string	Rs 50000	Update Pay Delete REJECTED
5	Birthday	N/A	22/08/2025, 12:07:00	Grand Palace	Rs 200000	Update Pay Delete PENDING

Organizer Dashboard:

Event Mania
Where Moments Become Memories

Home Logins ▾ User Login

Dashboard

Profile

Events

Requests

Caterers

Photographers

Settings

Logout

Dashboard

Saturday, August 9, 2025 at 04:30:49 PM

Event Requests
 5
Completed Events ---

Venues
 0
Available Venues ---

Caterers
 2
Available Caterers ---

Photographers
 1
Available ---

Quick Dashboard

All Events

Events in Progress

Upcoming Events

Upcoming Events:

Dashboard

Profile

Events

Requests

Caterers

Photographers

Settings

Logout

All Events

Select Month

Upcoming

In Progress

Birthday2025-08-20 Upcoming

Wedding2025-09-10 Upcoming

Corporate Meet2025-08-25 Upcoming

Cultural Fest2025-08-30 Upcoming

Engagement2025-08-28 Upcoming

Event Mania2025-08-10 Upcoming

Event Mania

Event Name

Event Mania

Date

2025-08-10

Venue

Akola

Status

APPROVED

Capacity

0

Vendor Assignment

Photography

Rahul Mehta

Caterer

Priya Sharma

Budget

5000

Save Changes

Event Request:

Event Mania

Dashboard

Profile

Events

Requests

Caterers

Photographers

Settings

Logout

Event Requests

Sr. No	User Name	Event Type	Date & Time	Venue	Budget	Actions
1	Abhinaya Angaitkar	Birthday	2025-08-20T00:00:00	Bangalore Palace	₹50000	Accept Reject View
2	Abhinaya Angaitkar	Wedding	2025-09-10T19:30:00	Hyderabad Convention Center	₹75000	Accept Reject View
3	Abhinaya Angaitkar	Corporate Meet	2025-08-25T16:00:00	Pune Marriott Hotel	₹30000	Accept Reject View
4	Abhinaya Angaitkar	Cultural Fest	2025-08-30T17:00:00	Delhi Arts Centre	₹40000	Accept Reject View
5	akanksha more	Engagement	2025-08-28T00:00:00	Delhi Convention Center	₹500	Accept Reject View
6	akanksha more	Ring Ceremony	2025-08-08T18:38:01.918	Banglore Palace	₹800	Accept Reject View
7	akanksha more	Event Mania	2025-08-10T00:00:00	Akola	₹5000	Accept Reject View

Caterers:

Event Mania

Dashboard

Profile

Events

Requests

Caterers

Photographers

Settings

Logout

Caterers

Search caterers... Active

Sr. No	First Name	Last Name	Business	Contact	Status	Actions
1	Priya	Sharma	Delicious Foods	9765432109	booked	
2	Neha	Rao	Royal Catering	9123456789	booked	

Photographers:

Event Mania

Dashboard

Profile

Events

Requests

Caterers

Photographers

Settings

Logout


Photographers


Search photographers... Active


Sr. No	First Name	Last Name	Business	Contact	Status	Actions
1	Rahul	Mehta	Click Memories	9876543210	available	
2	Amit	Kapoor	Snap Shots	9988776655	available	


Settings:


Event Mania


 Dashboard


 Profile


 Events

 Requests

 Caterers

 Photographers

 Settings

 Logout

Change Organizer Password

Current Password


New Password

Confirm New Password


Update Password


Vendors Dashboard:


Vendor Portal





Dashboard

 Dashboard

 Profile


 Events

 Settings



Monday, August 11, 2025 at 11:28:19 AM


Upcoming

 123

Completed

351

Completed

 486

Details

View

- 28 -

Vendors Settings:

Vendor Portal

Dashboard

Profile

Tasks/Orders

Settings

Logout

Update Password

Current Password

New Password

Confirm New Password

Change Password

Vendors Profile:

Vendor Portal

Dashboard

Profile

Tasks/Orders

Settings

Logout

Vendor Profile

Choose file No file chosen

First Name

abcdear

Last Name

efghgt

Email

a@gmail.com

Mobile Number

9960068659

Address

pune, MH,mumbai,sunbeam,12

Business Name

Foodies bytes heee

Date of Registration

dd-mm-yyyy

Update Profile

- 29 -

7.REFERENCES:

<http://www.google.com>

<http://bigbeeexperience.com>

<http://www.w3.org>

<http://www.wikipedia.org>

<http://www.micekart.com>