

**A
Project Report
On**

“EVENT MANAGEMENT SYSTEM”

Submitted By

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**G. K. Gujar Memorial Charitable Trust's
Dr. Ashok Gujar Technical Institute's
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2022-23

**G. K. Gujar Memorial Charitable Trust's
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CERTIFICATE

This is to certify that,

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have satisfactorily completed the T.Y.B.Tech Domain Specific Mini Project entitled, **“EVENT MANAGEMENT SYSTEM”**. This work is being submitted in partial fulfillment for the Third Year in Computer Science and Engineering of the Shivaji University, Kolhapur, Maharashtra, INDIA for the academic year 2022-2023.

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Guide

Mrs. S. P. Kakade

**Head of Department Computer
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ACKNOWLEDGEMENT

I express my special thanks to Prof. A. H. Renushe, Project Guide for her sincere efforts and kind guidance in selecting project topic. I am very grateful to Prof S. P. Kakade, Head of Computer Science and Engineering Department, for making available all the facilities required for the fulfillment of the project.

I cannot forget to express my immense sense of thankfulness towards all the teaching and non-teaching staff of Computer Science and Engineering department, and all my friends who offered their helping hands at the time of need.

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Abstract

The purpose of Event Management system is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same.

Event Management System project that serves the functionality of an event manager. Considering the existing system problems related to event management we have developed an android application for managing events. The system allow registered user login and new user are allowed to register on the application. The system helps in the management of events, users and the aspects related to them. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. The application provides most of the basic functionality required for an event type e.g. [College event, festival, Marriage, Dance Show Birthday party, etc.], the system then allows the user to select date and time of event, place and the event venue. All the data is logged in the database. The data is then send to administrator (website owner) and they may interact with the client as per his requirement.

The aim is to automate its existing system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so their valuable data can be stored. Basically the application describes how to manage for good performance and better services for volunteers, coordinators and clients.

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INTRODUCTION

Event management is a process of organizing a professional and focused event, for a particular target audience. It involves visualizing concepts, planning, budgeting, organizing and executing events such as wedding, musical concerts, corporate seminars, exhibitions, birthday celebrations, theme parties, etc. Surprisingly, there is no formalized research conducted to access the growth of this industry. The industry includes fields such as the MICE (Meetings, Incentives and Events), exhibitions, conferences and seminars as well as live music and sporting events. On the profession side, event management is a glamorous and exciting profession that demands a lot of hard work and dynamism. The logistics side of the industry is paid less than the sales/sponsorship side, though some may say that these are two different industries. Event management is the application of project management to the creation and development of large-scale events. The process of planning and coordinating the event is usually referred to as event planning and which can include budgeting, scheduling, site selection, acquiring necessary permits, coordinating transportation and parking, arranging for speakers or entertainers, arranging decor, event security, catering, coordinating with third party vendors, and emergency plans. The events industry now includes events of all sizes from the Olympics down to business breakfast meetings. Many industries, charitable organizations, and interest groups hold events in order to market themselves, build business relationships, raise money, or celebrate achievement. An event refers to a social gathering or activity, such as a festival, (for example a musical festival), a ceremony (for example a marriage) and a party (for example a birthday party).

1.1 Project Idea

Event management is the process of creating and maintaining an event. This process spans from the very beginning of planning all the way to post-event strategizing. At the start, an event manager makes planning decisions, such as the time, location, and theme of their event. An Event Management System minimizes the steps needed to manage your events, creating a much more efficient administrative process. This way, event planners can focus more on the details, without getting lost in administrative tasks.

1.2 Need of project

The system is crucial for optimizing event planning and execution. It streamlines various aspects of event management, including planning, resource management, registration, communication, data analysis, and automation. By leveraging the capabilities of an event management system, organizers can enhance efficiency, improve attendee experiences, and drive the success of their events.

1.3 Literature Review

[1] A Review of Business Events by Author: Judith Mair

Publication: April 2012

This article examines the developments in research into business events over 10 years from 2000 to 2009. It examines the main themes of the research that has been undertaken and highlights research gaps. Before 2000, researchers had identified considerable gaps in the business events literature. The reason most often cited for lack of research was the difficulty in obtaining statistics. Considerable research has been completed since then, yet researchers are still faced with the difficulties of obtaining meaningful statistics on the business events industry.

[2] Event Management by Author: Mike Duignan

Publication : April 2023

Event Management is the leading peer-reviewed international journal for the study and analysis of events and festivals, meeting the research and educational needs of this rapidly growing industry for more than 20 years. Encourage the study of all kinds of physical, digital, and hybrid events from small- to large-scale cultural and sporting events, festivals, meetings, conventions, exhibitions, to expositions, across a range of geographical and cultural contexts.

[3] Review Paper on an Event Management System by Author: Amir Saleem

Publication: 7 July 2017

Online event management system is an online event management system software project that serves the functionality of an event manager. The system allow registered user login and new user are allowed to register on the application. The system helps in the management of events, users and the aspects related to them. This proposed to be a web application. The project provides most of the basic functionality required for an event type e.g. [Marriage, Dance Show Birthday party, College Festival, etc.], the system then allows the user to select date and time of event, place and the event equipment.

[4] Review Paper on Event Management System by Author: Kunal Maiske

Publication: December 2017

This paper is aimed at developing an application for event management system. Now a days the events such as festivals, wedding etc. have become a core part of life which has resulted in event planning and Management Company to rise. With the customers and events increasing at larger rate, it is difficult to manage using traditional system using spreadsheets, traditional database and more. In order to overcome the drawbacks of traditional Event Managing System, a new Smart Event Management System can be introduced which uses the modern technology for managing various tasks and planning for employees, customer, location, transport and more. With the help of this technology, the distance between customer and management team has reduced with the Smart Web access and mobile access.

PROBLEM STATEMENT & SCOPE

2.1 Problem Statement

Every Organization, whether big or small, has challenges to overcome and managing every event. Event Management System has different event needs, so we design exclusive Event Management System. The System is designed to assist in strategic planning and it will help to ensure that your organization is equipped with the right level of information and details of your future goals.

2.2 Project Scope

- This project can be used by any common persons, and it is easily available for everyone.
- It can also be used to easily booking for any event as possible.
- This Application is to develop a System that effectively manages all data related to various events that takes place in an organization.

2.3 Area of Project

An event management system encompasses various areas that areas are crucial for planning, organizing, executing events. These areas include event registration, venue management and schedule management, participant communication, event marketing, budgeting, financial management and post event follow-up.

2.4 Goals & Objectives

Goals:

- To design and execute memorable events that fulfill their clients and attendees wishes.
- We will host the platform on online servers to make it accessible worldwide.
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

Objective:

- Detect all changes of state that have significance for the management of CI or IT service.
- Provide the trigger, or entry point, for the execution of many service operation processes and operations management activities.
- Determine the appropriate control action for events, and ensure these are communicated to the appropriate function

SOFTWARE REQUIREMENT SPECIFICATION

1.1 Software Requirements:

Software Requirements	Specification
<ul style="list-style-type: none"> Programming language 	HTML ,CSS , JavaScript , NodeJS
<ul style="list-style-type: none"> Database 	MongoDB
<ul style="list-style-type: none"> Software 	Visual Studio Code, MongoDB

Table 3.1: Software Requirements

1.2 Hardware Requirements:

Hardware Requirements	Specification
<ul style="list-style-type: none"> System 	A Desktop/Laptop with Intel Core i5 2.5GHz
<ul style="list-style-type: none"> Hard Disk 	200GB of Free Storage on Hard Disk
<ul style="list-style-type: none"> Processor 	64-bit OS, x64-based Processor
<ul style="list-style-type: none"> RAM 	8 GB of Ram

Table 3.2: Hardware Requirements

PROJECT PLAN

4.1 Project Schedule

Month	Week 1	Week 2	Week 3	Week 4	Week 5
March	Introduction To Mini Project	Search The Project Topic& Collect Related Information	Selection Of Particular Topic From 3 Topics	Planning The Project& Collection A Data	Create The Synopsis
April	Start Working On The Project& Design Of Project	Coding	Coding	Coding	Testing
May	Improvement In The Code	Testing	Report	Updated Report	Final Project &Presentation

SOFTWARE DESIGN

5.1 DFD



Figure: 5.1.0 Level DFD

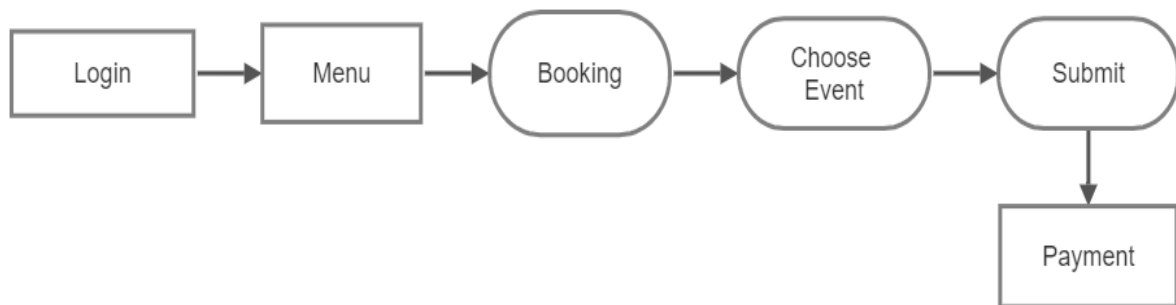


Figure: 5.1.1 Level DFD

5.2 Flow Chart

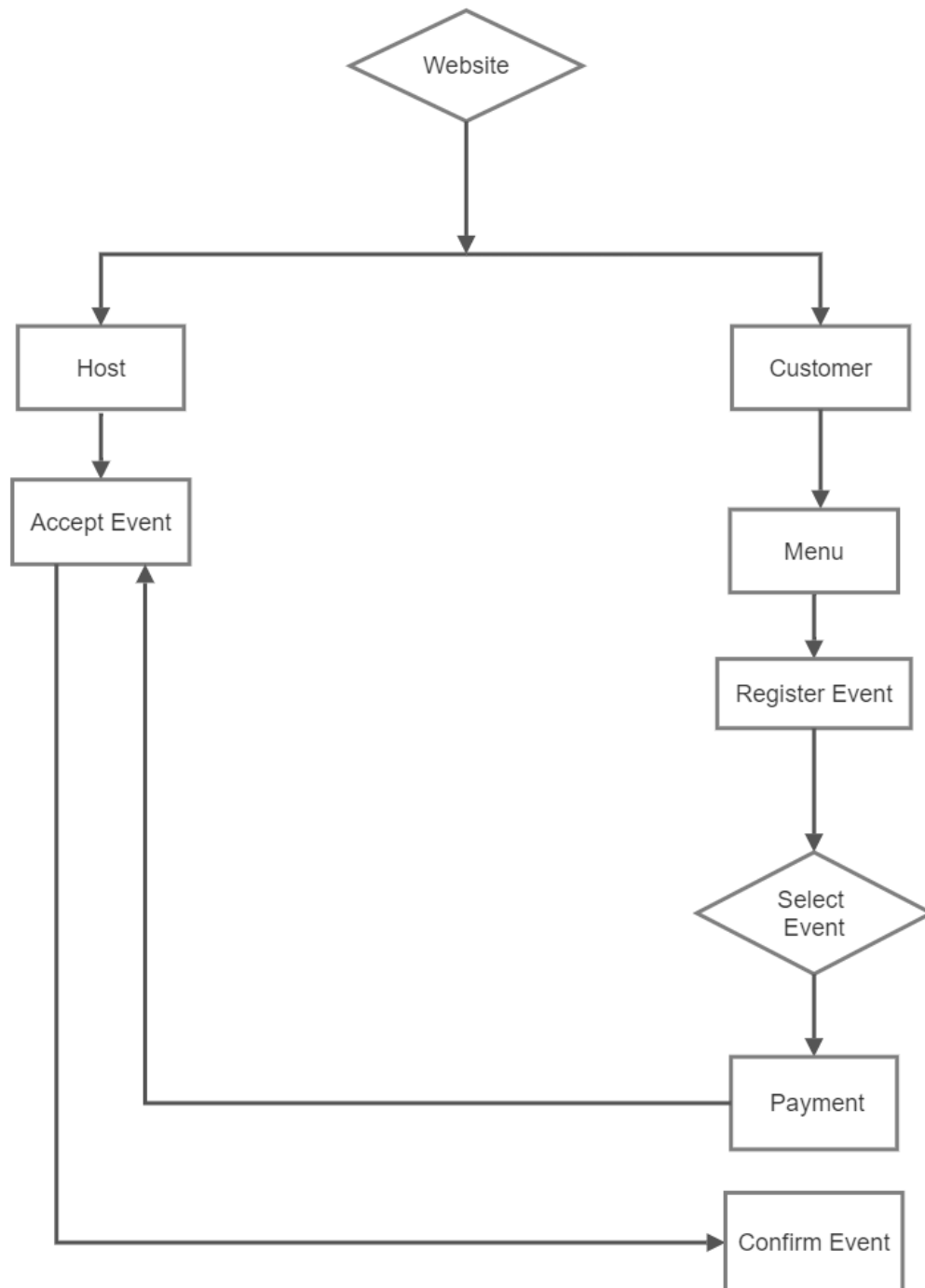


Figure: 5.2 Flow Chart

5.3 Architecture/ Block diagram

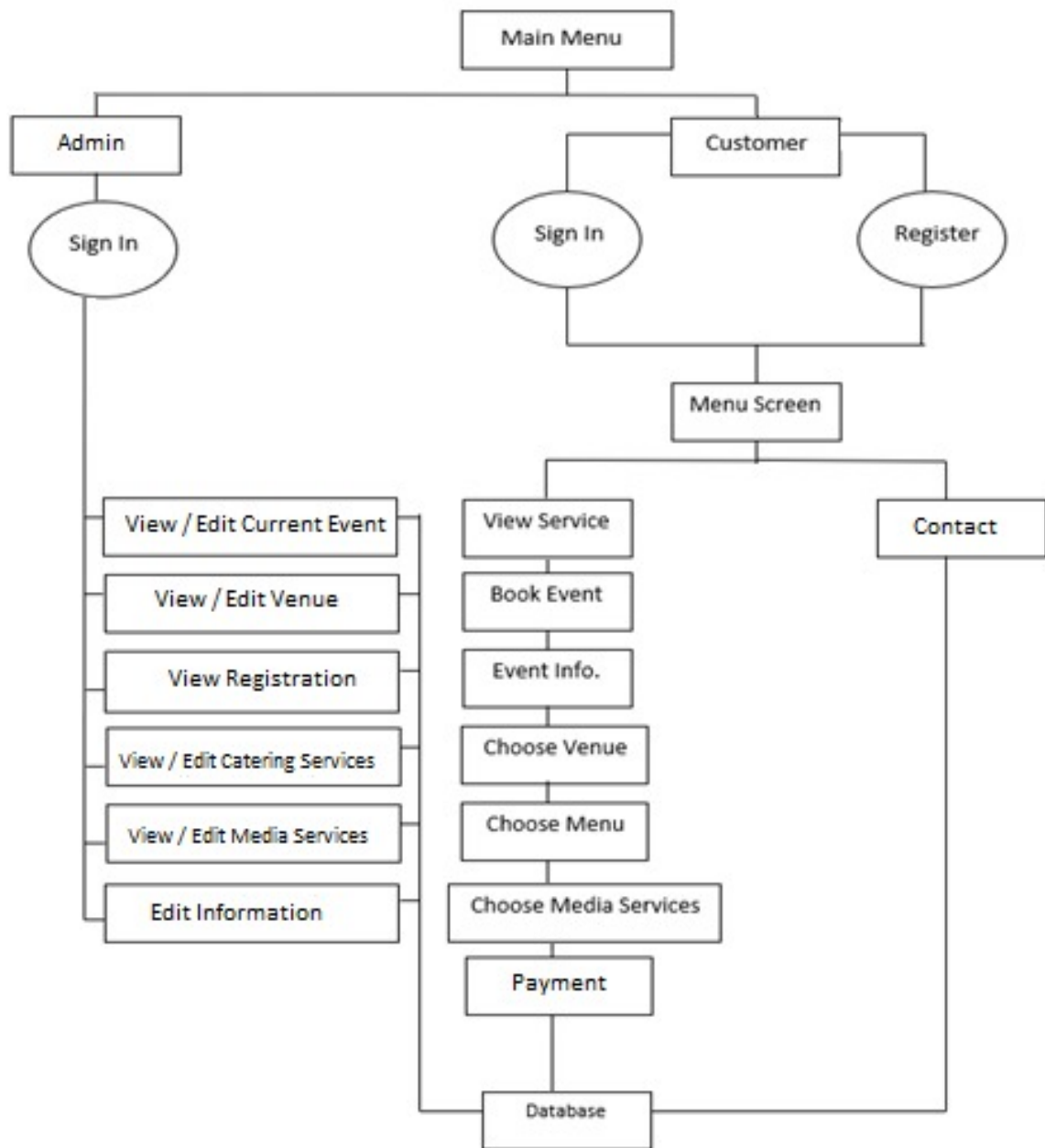


Figure: 5.3 Architecture/ Block diagram

5.4 UML Diagram

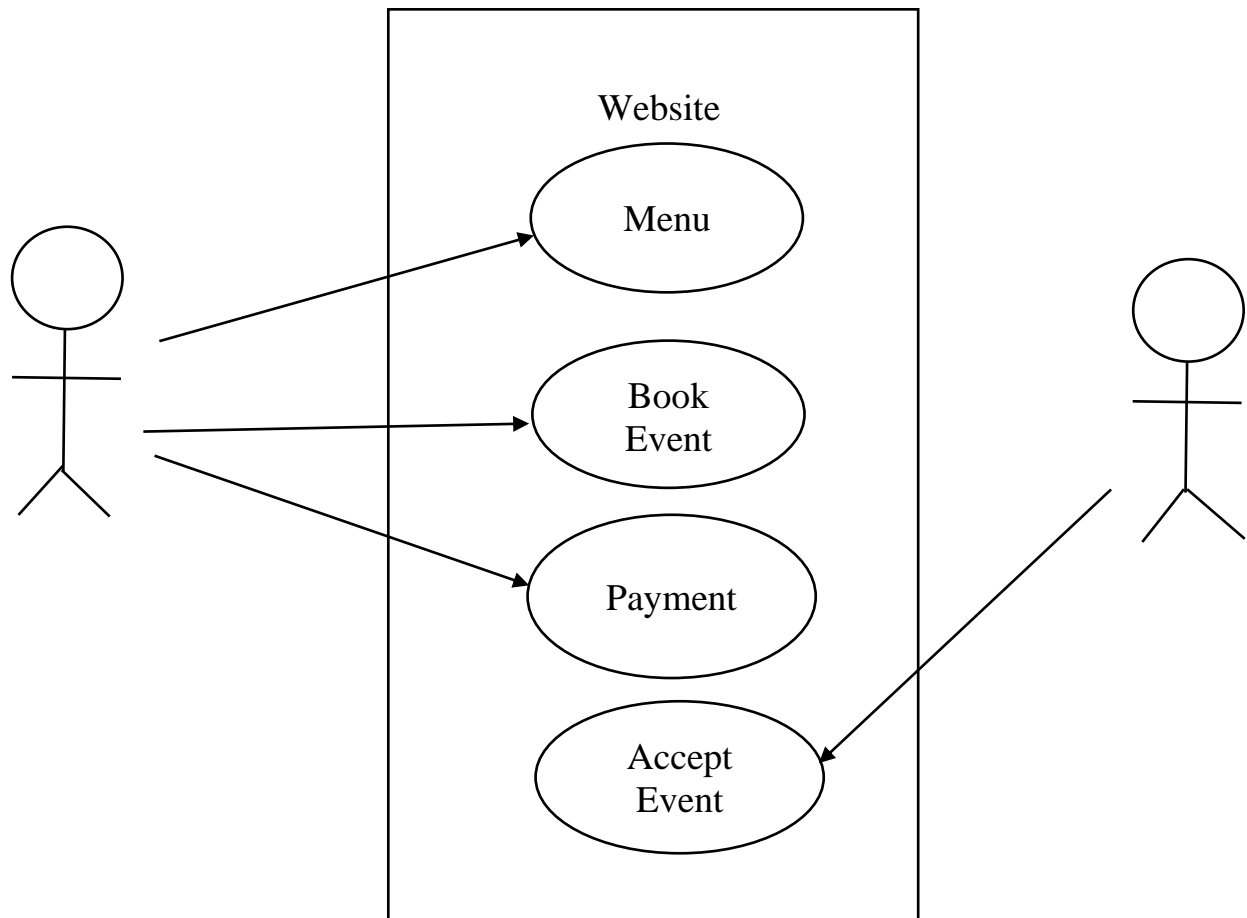


Figure: 5.4 UML Diagram

IMPLEMENTATION DETAILS

5.1 Modules and Their Functionalities:

There are 2 types of Module: -

1) Admin Module

- **Add Data** – Here User can Add data of event with categorization.
- **Display Data** – Here Admin can review all data of event, registered event. Admin can check status of any particular event by using their user name.
- **Search Data** – Here Admin can Search data of event. It is use to check registration status of that event.
- **Modify Data** – Here Admin can Modify data of event status.
- **See all Users** – Here Admin have facility of check data of login detail. Here Admin able to view data of an user with Username and Password.

2) User Module

- **Book Event** – Here User can book a event.
- **Submit Event** – This is use for Submit that event.
- **Select Event Type** – Here User can Select type of event in wedding, musical concerts, corporate seminars, exhibitions, birthday celebrations. After selection, User able to see the remaining event which is unregistered.

TESTING

INTRODUCTION

The development of software involves a series of production activities where opportunities of injection of human fallibilities are enormous. Error may begin to occur at the very inception of the process.

Testing is the process of executing the program with the intent of finding an error. A good test case is one that which has high probability of finding an as yet undiscovered error. A successful test is one that uncovers an as yet undiscovered error. [8] [9]

System Test

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

White Box Testing

White Box Testing is a testing in which in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is purpose. It is used to test areas that cannot be reached from a black box level.

Black Box Testing

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated, as a black box .you cannot “see” into it. The test provides inputs and responds to outputs without considering how the software works.

Test Items

This test plan applies to each part of our project as well as overall integration testing. For each module, the input and output will be tested on validity. This will also require that each function supporting the modules be tested similarly. After each module is tested the final project has to be tested. [8][9]

Test Plan

Test planning was planned as soon as the requirement specifications were prepared. Detail definition of test cases was started as soon as the design of components was finished.

The first test plan executed generally focuses on individual components, and then the focus shifts towards the larger components. Module testing will be used for each unit. An overall system test will be executed after integration.

Unit Testing

Unit testing focuses verification effort on the smallest unit of software design-the software component or module. Using the component-level design description as a guide, important control path are tested to uncover errors within the boundary of module. The relative complexity of test and uncovered errors is limited by the constrained scope established for unit testing. The unit testing is white-box oriented, and the step can be conducted in parallel for multiple components.

Integration Testing

Integration testing exercises several units that have been combined to form a module, subsystem or system. Integration testing focuses on the interfaces between units, to make sure the unit together. The nature of this phase is certainly 'white box', as we must have certain knowledge of the units to recognize if we have been successfully in fusing then together in the module.

Performance testing

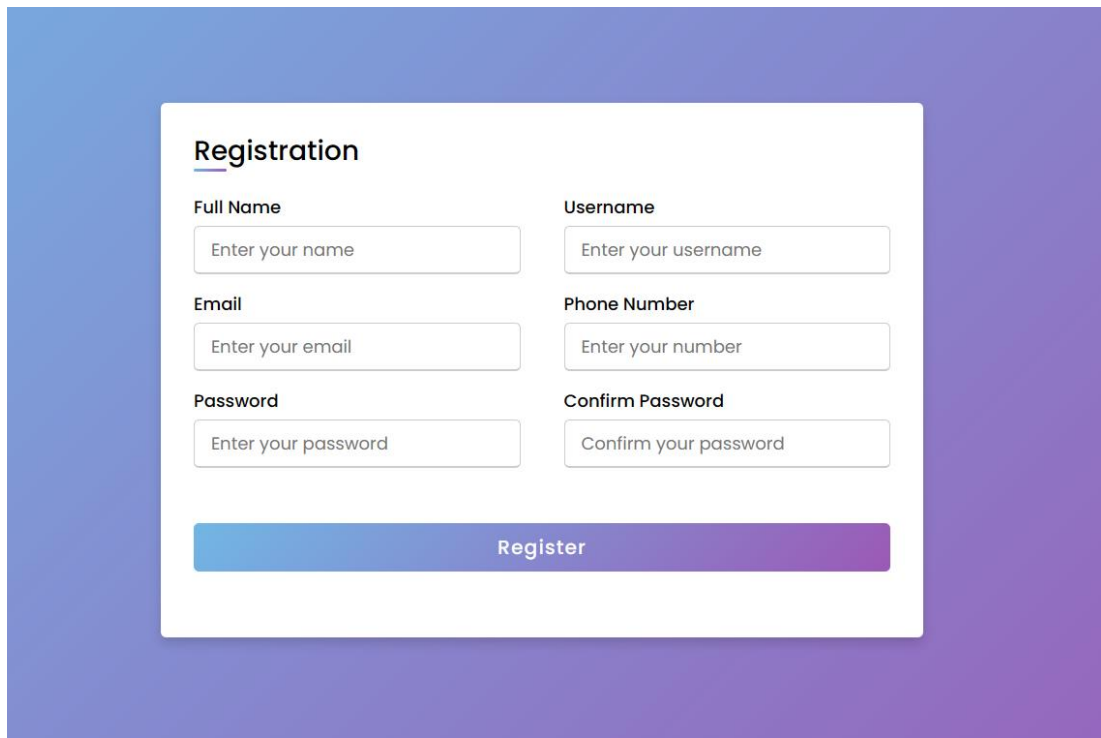
In software engineering, performance testing is testing that is performed to determine how fast some aspect of a system performs under a particular workload. This phase includes testing of the entire application as whole in order to ensure that the application function successfully as a coherent unit without errors and breakup points.

Item Pass/Fail criteria

- For unit level:
A unit level test is placed if each module satisfies the following conditions:
All test cases completed: Each function returns the expected output for given input
- For integration level:
All unit level plans completed successfully for all test cases.
All modules integrated together gives valid result
- For performance level:
The monitoring application as a whole gives valid result for all possible operations.
Performance results for the entire application are within acceptable limits.

9.SNAPSHOTS/GUI

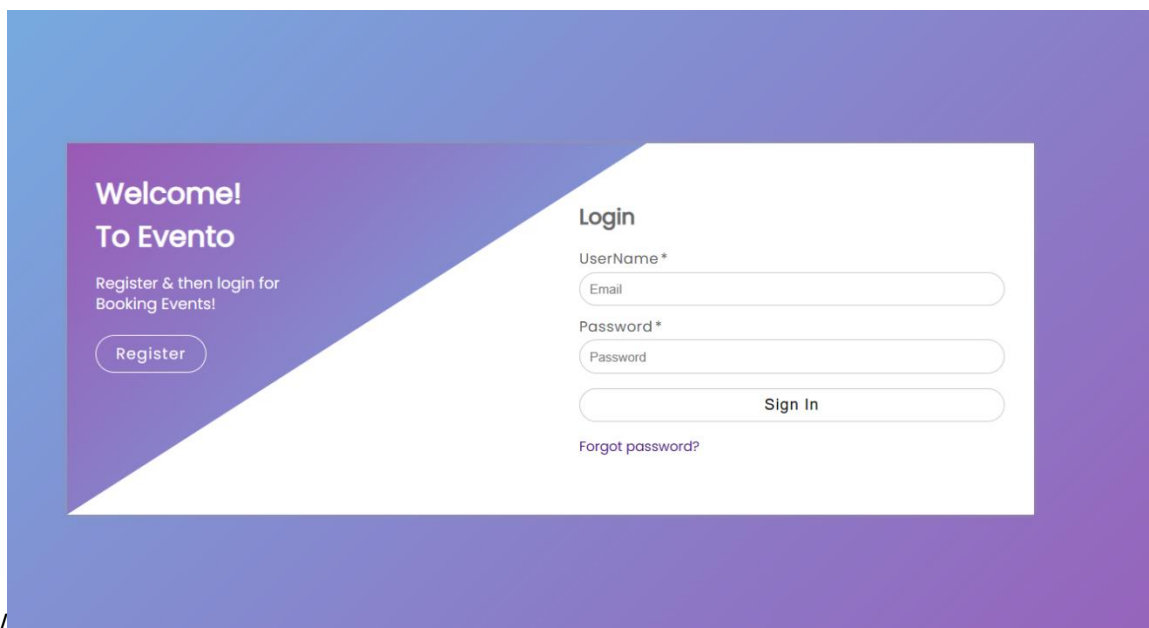
Registration



The registration form is displayed on a white background with a blue and purple gradient border. It features a title 'Registration' with a blue underline. Below the title, there are six input fields arranged in two columns. The left column contains 'Full Name', 'Email', and 'Password'. The right column contains 'Username', 'Phone Number', and 'Confirm Password'. Each input field has a placeholder text: 'Enter your name', 'Enter your email', 'Enter your password', 'Enter your username', 'Enter your number', and 'Confirm your password'. At the bottom of the form is a large, rounded rectangular button with a blue-to-purple gradient, labeled 'Register'.

Figure: 9.1 Registration

Sign in/ Login



The sign in/login form is displayed on a white background with a blue and purple gradient border. It features a 'Welcome! To Evento' section on the left with a blue and purple gradient background. Below this section is a 'Register' button. To the right of the welcome section is a 'Login' section with three input fields: 'UserName*' (with a placeholder 'Email'), 'Password*' (with a placeholder 'Password'), and a 'Sign In' button. Below the 'Sign In' button is a link 'Forgot password?'.

Figure: 9.2 Sign in/Login

Home Section

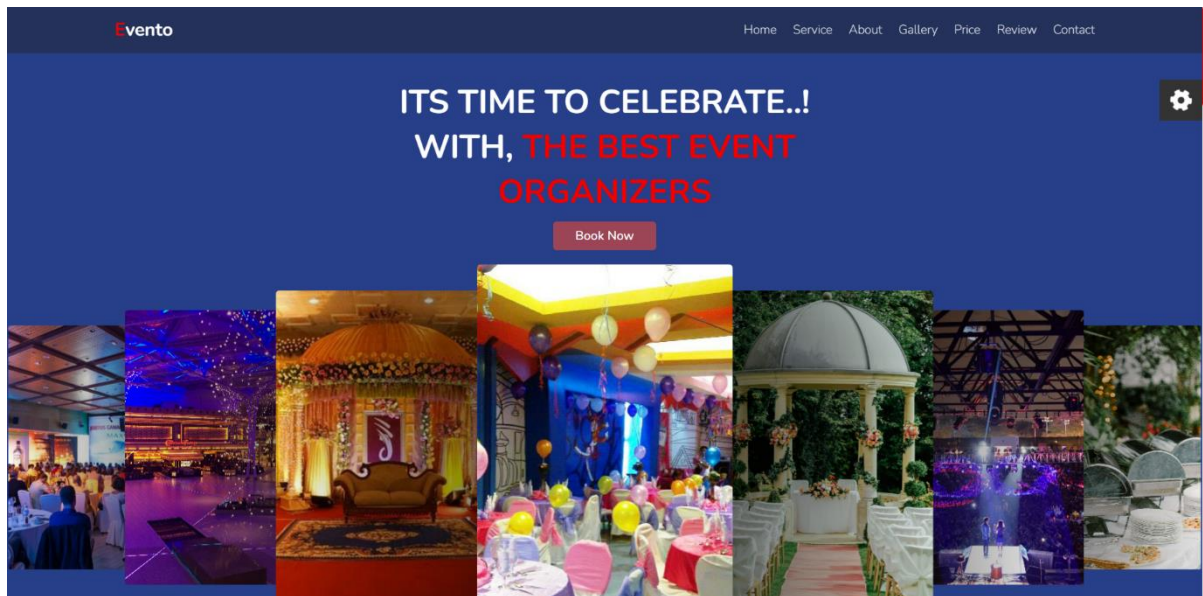


Figure: 9.3 Home Section

Service

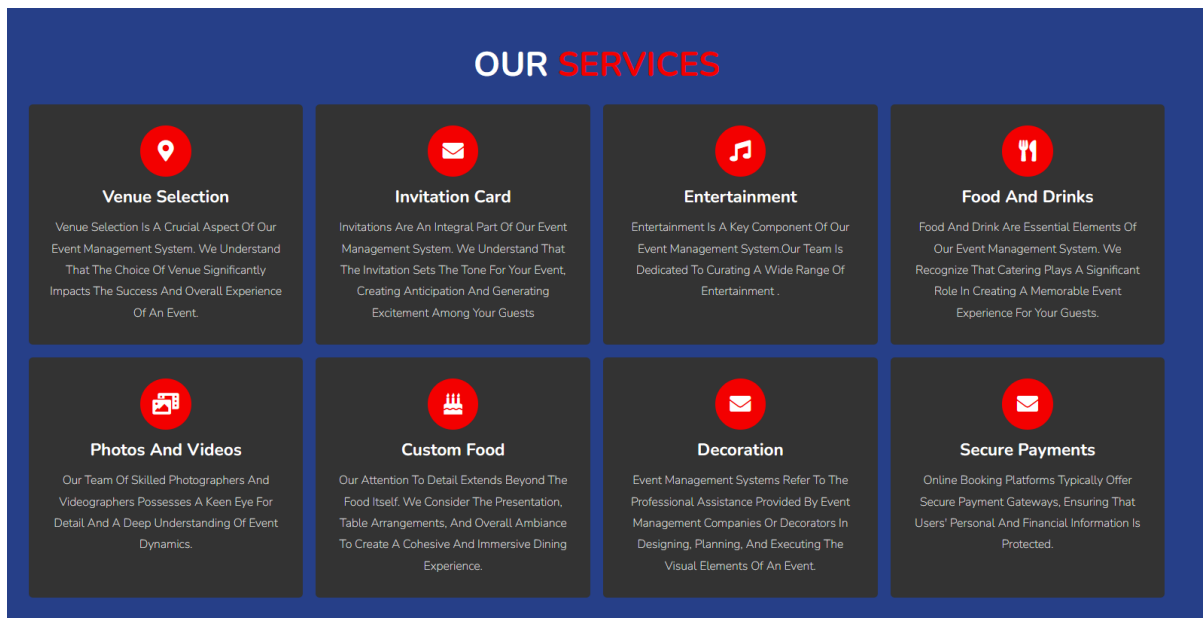


Figure: 9.4 Service

About

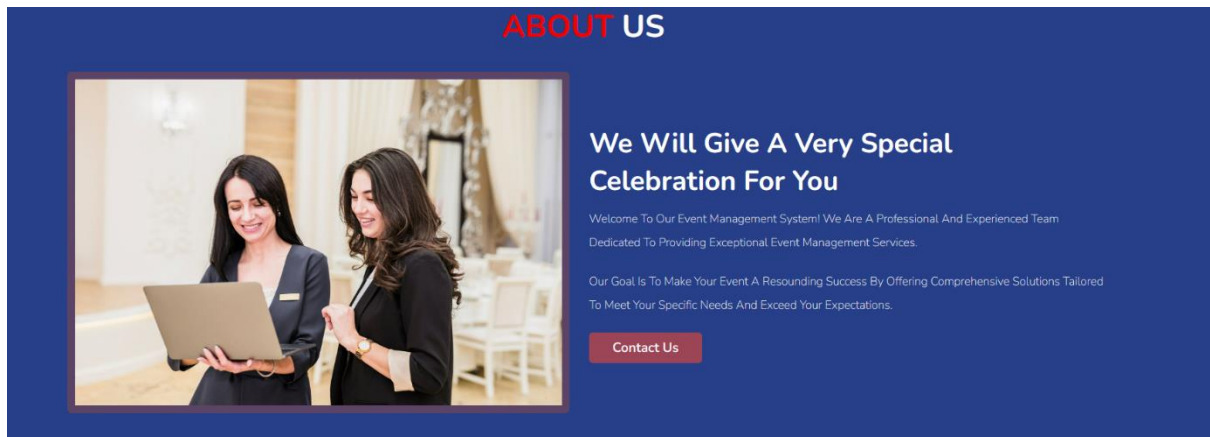


Figure: 9.5 About Section

Our Gallery

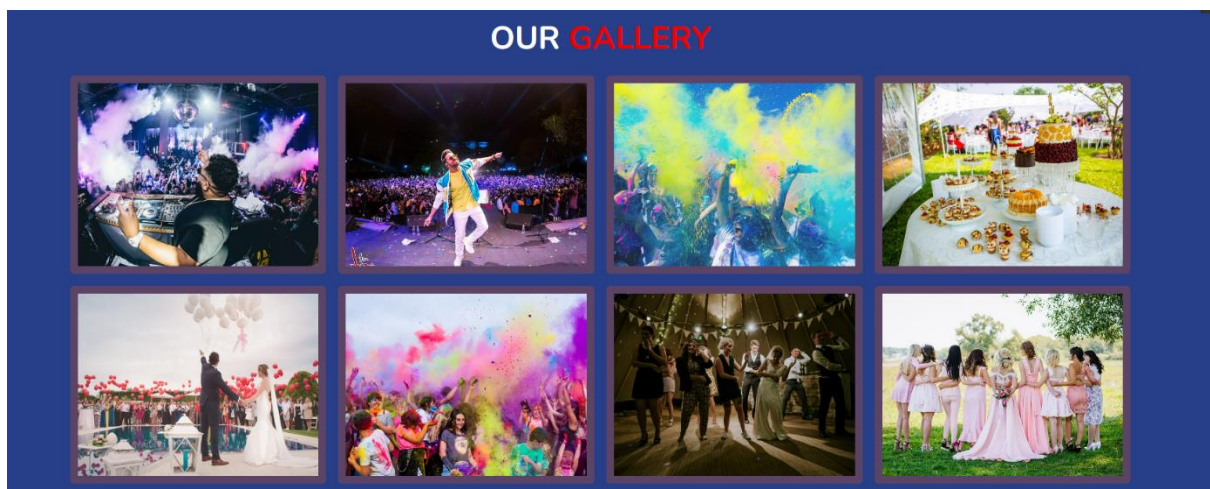


Figure: 9.6 Gallery

Our Booking

Booking For Corporate

Personal Details

Full Name

Enter your name

Date of Birth

dd-mm-yyyy

Email

Enter your email

Mobile Number

Enter mobile number

Gender

Select gender

Occupation

Enter your occupation

Event Details

Event Type

Enter event type

Select Venue for Event

Select venue

Number of attendees

Enter no total attendees

Number of child attendees

Enter if Present..!

Event Date

dd-mm-yyyy

Event time

--:--

Next >

Booking For Corporate

Address Details

Address Line 1

House Name/No/Landmark

Address Line 2

Street/Road/Colony name

State

Enter your state

District

Enter your district

City/Village

Enter your city/Village name

Pin code

Enter regional pin code

Other Details

Catering

Select Caterer

Decorators

Select Decorator

Photographer

Select Photographer

< Back

Submit >

Figure: 9.7 Booking Event

Payment


BILLING ADDRESS	PAYMENT
Full Name :	Total Bill :
Adhiraj Jivan Patil	Rs.250000
Email :	
Patiladhiraj8378@Gmail.Com	
Note - *Please Click On Above Pay Now Button For Payment	

Figure: 9.8.1 Payment

The image shows a mobile application interface for a payment screen. At the top, there is a header bar with the title "Amount Details" and three circular indicators (one filled, two empty) followed by a close button (X). Below the header, the name "SUYASH JIVAN PATIL" is displayed in bold. A horizontal line separates the name from the rest of the screen. Underneath, the text "Total Amount" is shown. Below this, a light blue box contains the amount "₹ 25000". At the bottom of the screen, there is a white bar containing the amount "₹ 25,000.00" and a blue button labeled "Next". Below the white bar, there is a dark grey bar with the text "Secured by" followed by the Razorpay logo.

Amount Details

SUYASH JIVAN PATIL

Total Amount

₹ 25000

₹ 25,000.00

Next

Secured by **Razorpay**

Figure: 9.8.2 Payment

User Details

SUYASH JIVAN PATIL

←

Email *
patiladhiraj8378@gmail.com

Phone *
07387915504

Name *
Adhiraj Jivan Patil

Address *
at.post kuthare ,tel-patan

Pincode *
415112

₹
25,000.00

Proceed to Pay

Secured by **Razorpay**

Figure: 9.8.3 Payment

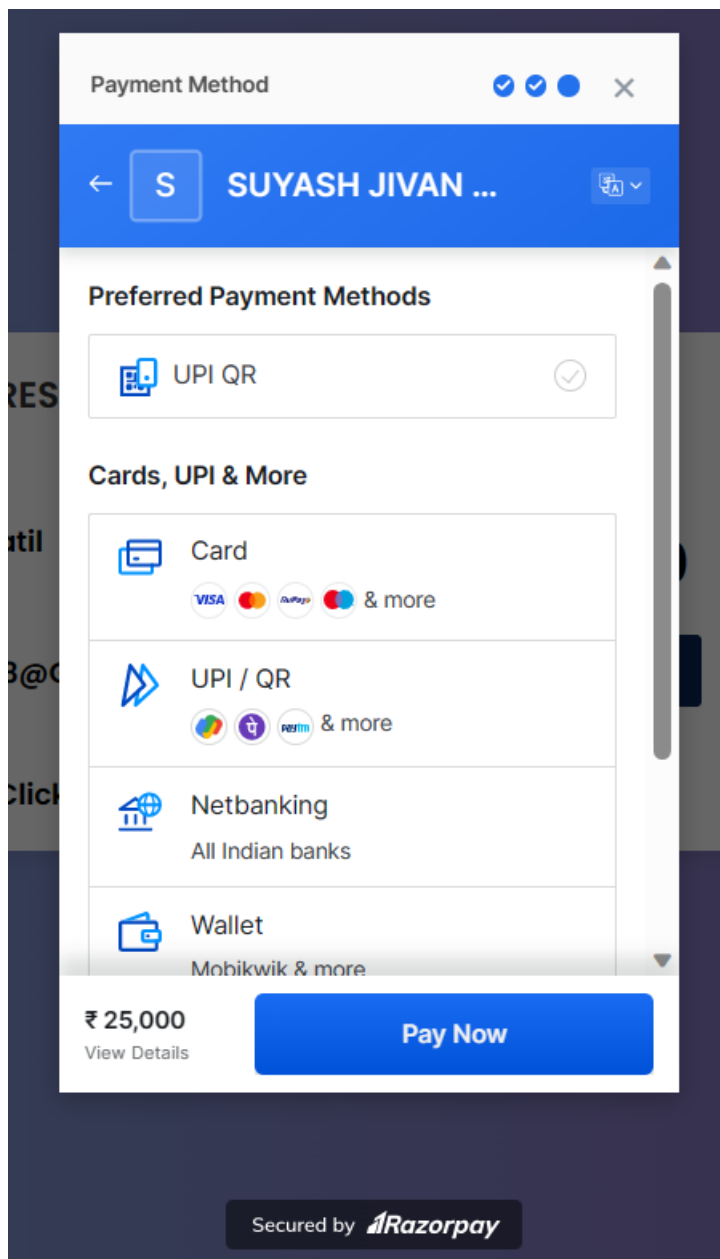


Figure: 9.8.4 Payment

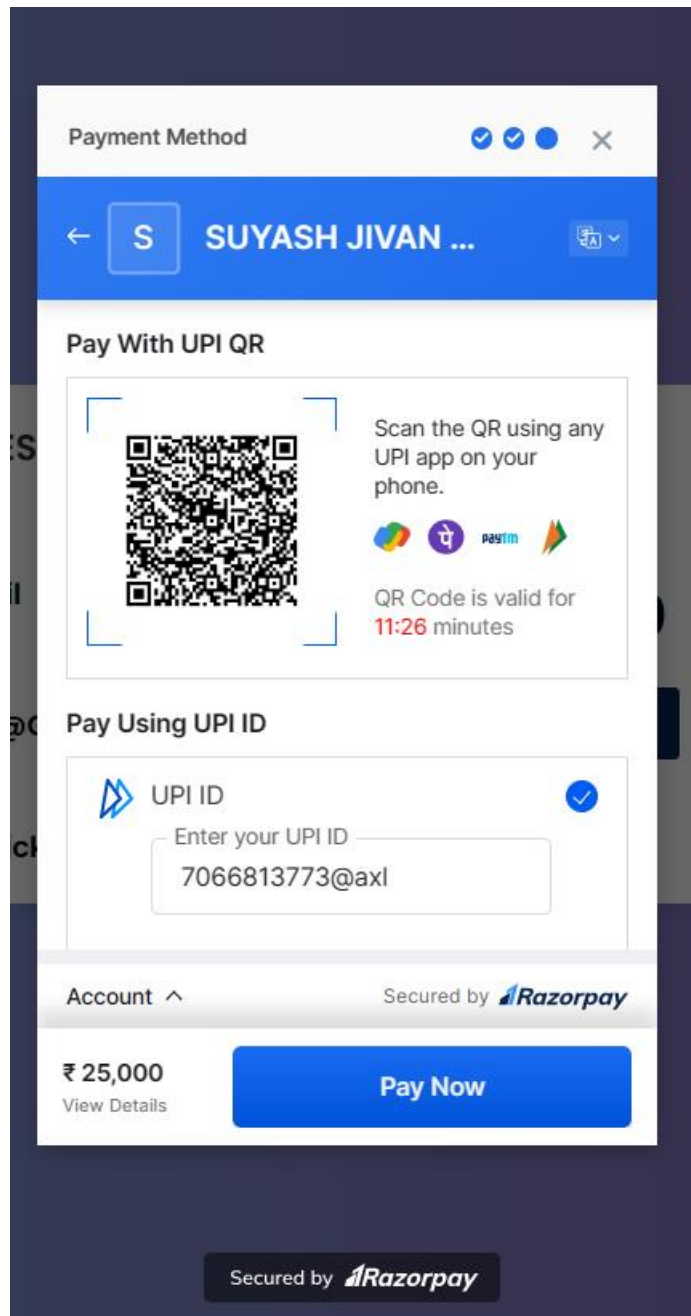


Figure: 9.8.5 Payment

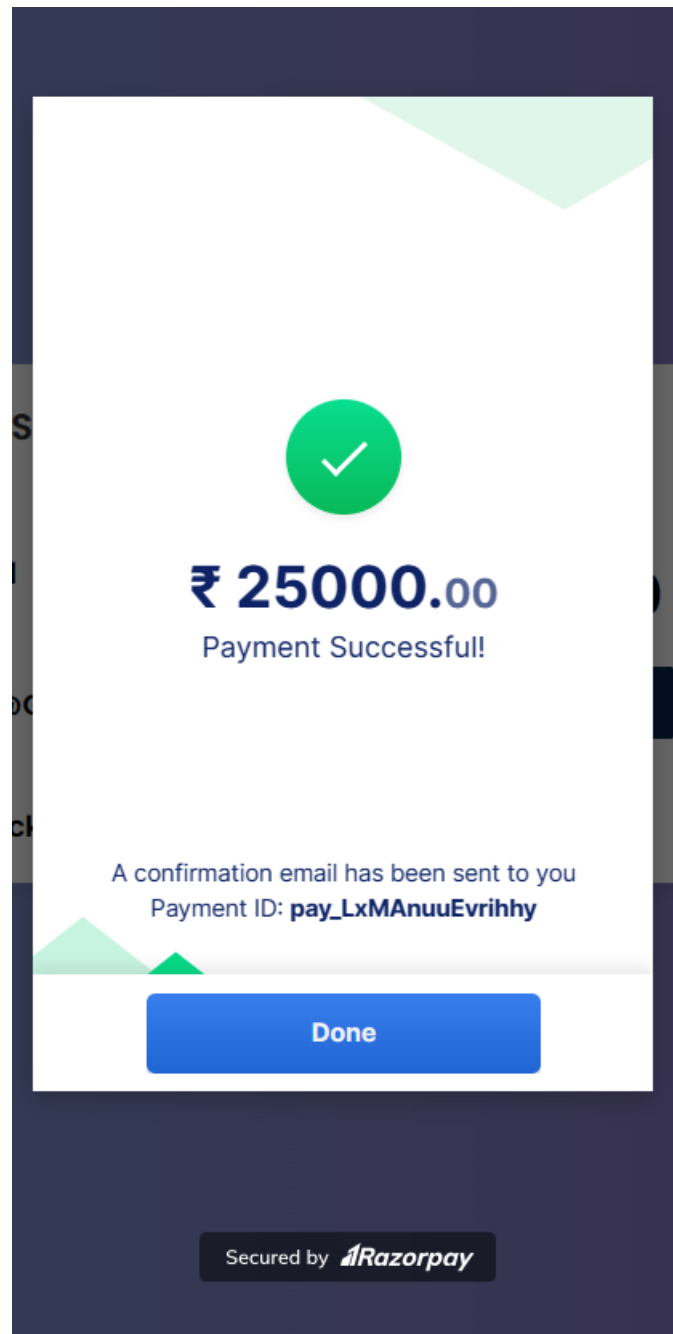


Figure: 9.8.6 Payment

Razorpay Transition

Payment Id Duration 27 May 2023 to 03 Jun 2023 Status Email

Phone number Notes Bank Reference Number

Payment Id	Razorpay Order Id	Amount	Email	Contact	Created At	Status
pay_LxMAnuuEvrihhy	order_LxM97dxeojYa7h	₹ 25,000.00	patiladhiraj8378@gmail.com	+917387915504	03 Jun 2023, 11:52:53 am	Captured
pay_LxLu3RBkDBfuI3	order_LxLTX0VvZTbUwN	₹ 25,000.00	patiladhiraj8378@gmail.com	+917387915504	03 Jun 2023, 11:37:16 am	Captured
pay_Lx8c6BZR9bzBuX	order_Lx8Ys4GMRK3yBG	₹ 25,000.00	patiladhiraj8378@gmail.com	+917387915504	02 Jun 2023, 10:37:00 pm	Captured
pay_Lx6MG5II13F33y	order_Lx6Kj3q7ay5om7	₹ 25,000.00	patiladhiraj8378@gmail.com	+917387915504	02 Jun 2023, 08:24:37 pm	Captured
pay_Lx1sTGdzNTZsjm	order_Lx1s9Q9Gda8XE	₹ 25,000.00	janhavipatil2016@gmail.com	+918923643276	02 Jun 2023, 04:01:39 pm	Captured
pay_Lx1nWRLIvLybq	order_Lx1meqL6M7M7np	₹ 25,000.00	patilsuyash7066@gmail.com	+917066813773	02 Jun 2023, 03:56:58 pm	Captured
pay_Lx0oUS1aPVFX0X	order_Lx0meLTIEA01NC	₹ 43.00	prathmeshkumbhar84032@gmail.com	+919561841929	02 Jun 2023, 02:59:11 pm	Captured

Figure: 9.9 Razorpay Transition

Reviews

CLIENT'S REVIEW

Sai Shinde
Happy Clients

I Like That I Can Send Invites To All My Attendees At Once, But Can Divide Them Into Different Registration Paths Depending On What Info Needs To Be Provided To A Particular Group. I Do Have Some Challenges Occasionally Trying To Figure Out How To Make Something Work While Building A Website, Which Is The Reason For The 4 Stars For The Ease Of Use.

Tejas Bhosale
Happy Clients

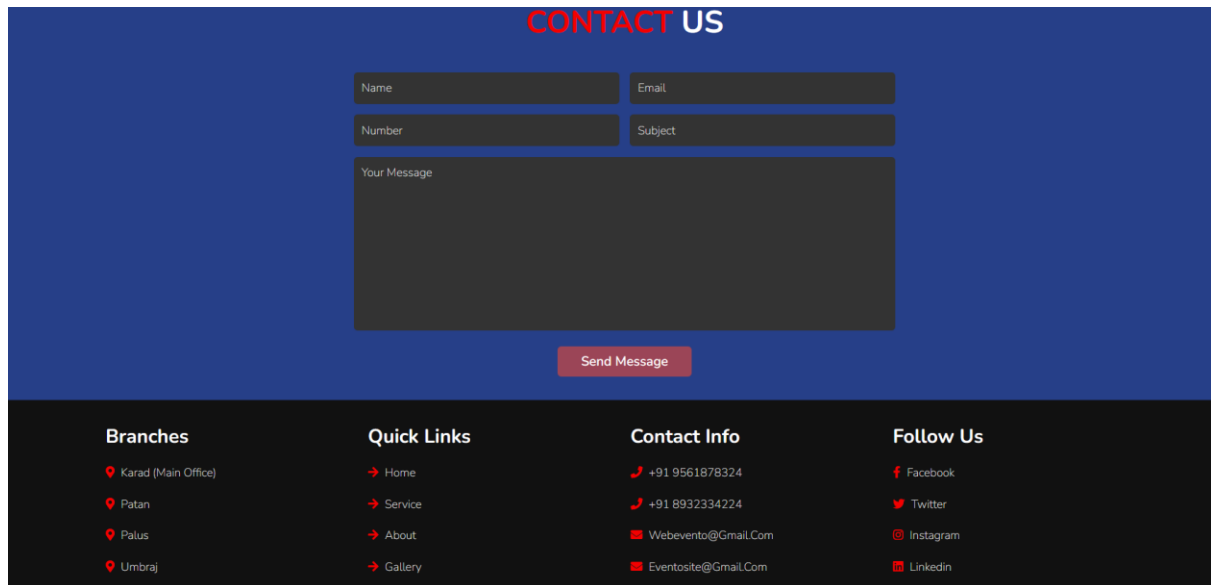
Cvent Is A Robust Platform With A Lot Of Different Options For Event Management Of All Kinds. My Organization Utilizes Its Services To Support In-Person Conferences And Webinars Throughout The Calendar Year. There Are Many Options For Building Out The Registration, Developing The Event's Website And Sending Event-Related Emails To Invitees And Registrants.

Janhvi Patil
Happy Clients

I Felt More Confident After 3 Months Of Using Cvent Than In 3 Years Of Using Our Previous Platform. The Onboarding Was Extremely Thorough And It Was A Great Experience For Our Team. Flex Is A Great Addition To The Product - Super Easy To Use And Aesthetically Pleasing. The Robust Capabilities Of The Tool And It's Industry Wide Recognition/Adoption.

Figure: 9.10 Reviews

Contact Us



The image shows a web page for 'CONTACT US'. The main content area has a blue background. At the top, the text 'CONTACT US' is displayed in red and white. Below this, there are four input fields: 'Name', 'Email', 'Number', and 'Subject', each in a dark grey box. A larger dark grey box for 'Your Message' is positioned below these. A red 'Send Message' button is centered at the bottom of the form area. The footer is a dark grey bar with four columns of information: 'Branches' (listing Karad, Patan, Palus, and Umbraj), 'Quick Links' (listing Home, Service, About, and Gallery), 'Contact Info' (listing phone numbers and email addresses), and 'Follow Us' (listing social media links for Facebook, Twitter, Instagram, and LinkedIn).

CONTACT US

Name Email

Number Subject

Your Message

Send Message

Branches

- Karad (Main Office)
- Patan
- Palus
- Umbraj

Quick Links

- Home
- Service
- About
- Gallery

Contact Info

- +91 9561878324
- +91 8932334224
- Webevento@Gmail.Com
- Eventosite@Gmail.Com

Follow Us

- Facebook
- Twitter
- Instagram
- Linkedin

Figure: 9.11 Contact Us

CONCLUSION

Event Planner Application is user friendly and cost effective system; it is customized with activities related to event Planning life-cycle. It provides a new edge to management industry. This always keep your objectives and goals on top priority while developing any plan of work. relevant in current time. 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 expected to have a better growth in the next decade. Typical event organized by this application includes birthday parties, wedding, competitions, meetings and many more.

FUTURE SCOPE

1. Online and virtual events:

With the increasing popularity of virtual events, event management systems will need to adapt and provide robust solutions for planning, organizing, and hosting online gatherings. This includes features like virtual event platforms, live streaming, interactive chat functionalities, and attendee engagement tools.

2. Data analytics and insights:

management systems will continue to evolve to provide comprehensive data analytics and insights. Organizers can gather attendee feedback, track engagement metrics, measure event success, and make data-driven decisions for future events. Predictive analytics can also help identify trends, optimize marketing strategies, and improve event planning processes.

3. Mobile and app integration:

Mobile apps are already widely used in event management, but their integration with event management systems will become even more seamless. Attendees can access event details, receive real-time updates, interact with other participants, and provide feedback through dedicated event apps. Integration with popular communication platforms and social media can further enhance engagement and networking opportunities.

Overall, the future of event management systems is focused on leveraging technology to enhance attendee experiences, improve operational efficiency, and provide valuable insights for event organizers. Continued innovation and adaptation to emerging trends will shape the industry and offer exciting opportunities for growth.

REFERENCES

Website Link

1. <https://nevonprojects.com/online-event-management-system/>
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