

Abstract

The Event Planning System is a web-based platform designed to streamline the organization and management of events. Its primary goal is to automate and simplify various tasks involved in event planning, such as scheduling, budgeting, vendor coordination, attendee registration, and communication. By offering a user-friendly interface, the system caters to event planners, clients, and vendors, facilitating efficient communication and collaboration. The project utilizes open-source technologies including HTML, CSS, JavaScript, PHP, and MySQL, Git for version control and figma for UI/UX ensuring low development costs and effective performance. The final system is expected to improve booking efficiency enhance overall customer satisfaction.

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- **Introduction**

The rise of digital age has made online services essential for many businesses. Party palace, which used to and still rely on manual booking, can gain a lot from offering Online Booking System. This project focusses on a web-based Event Booking system for a local Party Venue. Users will be able to browse dishes, check Prices of food and calculate the total price which will cost per plate. Additionally, Party venue manager will be able to manage booking and operations easily through this system.

- **Problem Statement**

The local Party Venue does not have an online booking system. Without a digital platform, it's hard for the Party Venue to manage Price estimation, bookings and keep customers happy. This project aims to solve these issues by creating a complete online venue booking system and user can have proper plan for the event like which dish they want to add and which drinks they want to have for their Event.

- **Objective**

The objective of the Event Planning System is to design and implement a comprehensive web-based platform that facilitates the planning, organizing, and execution of events. This system aims to streamline event management tasks, enhance communication among stakeholders, and improve the overall efficiency of the event planning process.

- Create an easy-to-use online platform for Reservation of Events.
- Build an admin panel for Party Venue staff to manage Dishes, and Decorations.
- Ensure the system is secure, scalable and efficient in handling Events and customer information.

- **Limitations**

- **Dependency on Internet Connectivity:** As a web-based platform, the system's functionality is heavily reliant on stable internet connectivity. Limited access could affect real-time updates and communication.
- **Security and Privacy Concerns:** Managing sensitive data (e.g., attendee information, payment details) poses security risks. Even with security measures in place, there is always a risk of data breaches.
- **Maintenance and Upgrades:** Regular maintenance and updates will be necessary to ensure the system remains functional and secure, requiring ongoing resources and potentially causing temporary service interruptions.

1. Methodology

- **Requirement Identification**
- **Study of Existing System**
 - The current system is fully manual, requiring customer to visit the Venue in person to Take the price details. People won't know if the Venue is available for the date they want.
- **Requirement Collection**
- **User Requirement:** A simple yet appealing interface for browsing Venues listings Items, selecting Dishes and estimating total price per plate, and a secure Reservation process.
- **Admin Requirements:** A dashboard for Confirming reservation, show Dates and bookings with real time updates and also a section for reports on Venue availability.

- **Feasibility Study**

- **Technical feasibility:**

The project will use HTML CSS JavaScript, PHP and MySQL. Those technologies are widely used and available and we can meet the system's requirement. The web app will be hosted on a server with enough bandwidth to handle user traffic.

- **Operational feasibility**

The system will have an easy-to-use interface for both customers and Venue administrators. Party venue staff will be trained to operate the admin panel and, the booking process will be made simpler for users ensuring smooth operation.

- **Economic Feasibility**

Using open-source technologies (HTML, CSS, JS, and PHP) keeps development costs low. The main expense will be web hosting, domain registration and maintenance. In the long run the system will increase Reservation and improve customer satisfaction.

- **High Level Design of the System**

- **Flowchart**

The overall view and simple working mechanism of the system is shown in the flowchart below:

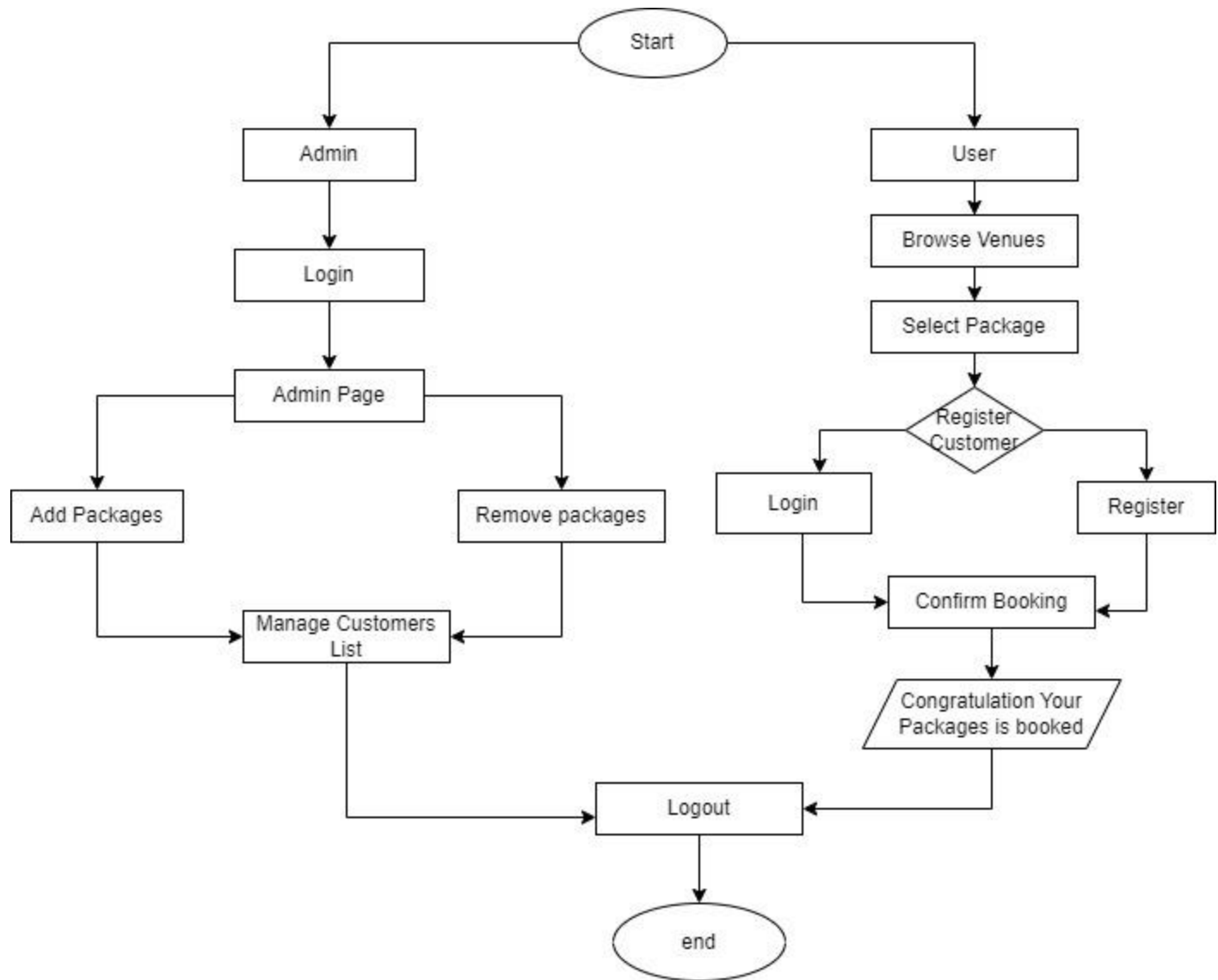


Figure I: - A brief Admin and User Flow Chart

- **Working Mechanism of the Proposed System**

The system is divided into three major components:-

- **Front-End Design:**

The system will have a user-friendly interface built using HTML, CSS, JavaScript and figma (UI/UX). The design will focus on easy navigation, ensuring that users can browse movies, check Showtime and book tickets without any complications.

- **Back-End Development:**

The server-side logic will be developed using PHP. This will handle user authentication, booking processes, and communication with the database (MySQL).

- **Database Design:**

MySQL will be used to store and manage data such as user information, movie details, Showtime, and booking records. The database will be designed with normalization to ensure efficient data management and retrieval.

- **Development Model: Waterfall Model**

The requirement are well defined in user as well administration part and properly understood so the waterfall method is considered as to be appropriate for this project.

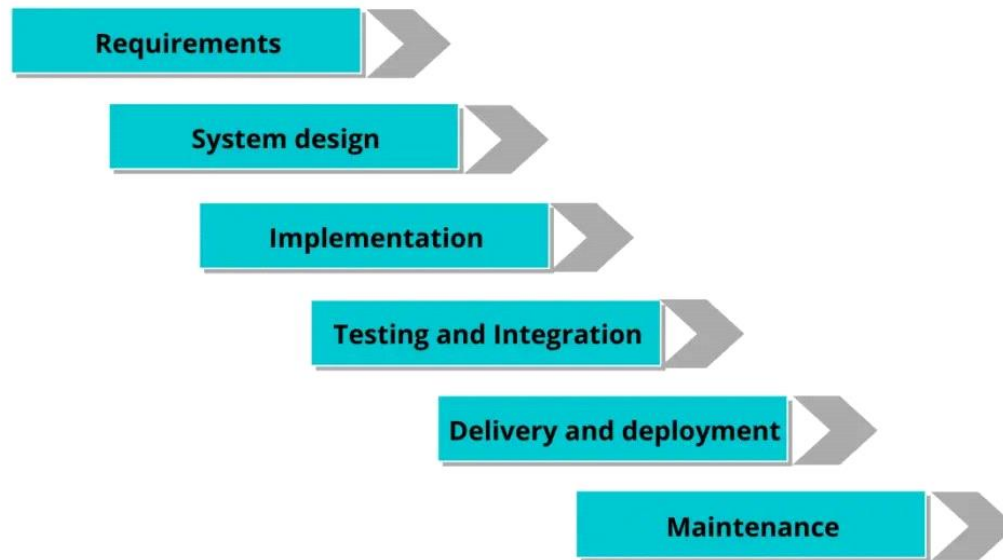


Figure II: A waterfall Model

- **Gantt chart**

The project timeline that shows time scheduling among 12 weeks for project completion is shown by the Gantt chart below:

Table 1: Gantt chart

Weeks	1-2	3-5	6-7	8-9	10-11	11-12
Task	weeks	weeks	weeks	weeks	weeks	weeks
Planning						
Analysis						
Design						
Coding						
Testing						
Maintenance						

• Expected Outcome

Upon successful completion of the project the following outcomes are expected:-

- More effective budget management and optimized resource allocation will help in reducing unnecessary costs and maximizing profit margins.
- Tools for effective communication with attendees, vendors, and team members, including email integration, messaging, and notifications.
- Reduction in errors related to event details, such as double-booking venues or miscommunication with suppliers, through integrated scheduling and tracking features.
- Overall booking efficiency and customer satisfaction will improve, leading to better business results.

• References

Gajur Wedding Planners & Event Management: <https://gajurweddingandeventplanner.com/>

Bihe Bajar :<https://www.bihebazaar.com/ad/event-planner>

