Low Level Design (LLD)

MARRIAGE HALL BOOKING APPLICATION (WEB APPLICATION)

-Mohit Chatterjee

• Document Version Control

Date Issued	Version	Description	Author
05-Feb 2023	1.1	First Draft	Mohit Chatterjee

Contents

Abstract

The objective and scope of my Project Online marriage hall Booking System is to record the details various activities of user. It will simplifies the task and reduce the paper work. During implementation every user will be given appropriate training to suit their specific needs. Specific support will also be provided at key points within the academic marriage timings.

It's a good question! Why you book marriage hall through online? Bangalore is one of the big cities in India and the city got best Wedding Venues in India. Finding the correct Wedding Venue in Bangalore will be a tough job for you, if you go to find out by yourself. You need help from a Online Wedding Hall Booking website, Wedding Planners is the best choice for you they have a list of Wedding Venues In nearer citites including Wedding Reception Banquet Halls, Temple Wedding Venues, Outdoor Wedding Venues, Palace Wedding Venues, Convention Halls, Ac Marriage Halls In Bangalore etc. You can easily select Best Wedding Venues in Bangalore from their online website.

There are hundreds of marriage halls in citites and finding a hall which in your requirement is like finding a "Needle in haystack" you will face lots of confusions like, is the place is enough to accommodate your guests ,Is there enough space for parking and the cost for the venue is in your budget. If you do marriage hall booking Online then these problems will be solved.

1.Introduction

1.1 Why this Low-Level Design Document?

The purpose of this Low-Level Design (LLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

a. 1.2 Scope

The LLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The LLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system. This software system will be a Web application This system will be designed to detect unusual activity ,and fire disasters.

b. 1.3 Constraints

For add new hall we always need to create new page by using code.

c. 1.4 Risks

Document specific risks that have been identified or that should be considered.

d. 1.5 Out of Scope

Delineate specific activities, capabilities, and items that are out of scope for the project.

2.Technical specifications

2.4 Logging

We should be able to log every activity done by the incidents.

- The System identifies at what step logging required
- The System should be able to log each and every system flow.
- Developers can choose logging methods. You can choose database logging/ File logging as well.
- System should not be hung even after using so many loggings. Logging just because we can easily debug issues so logging is mandatory to do.

2.5 Database

System needs to store every request into the database and we need to store it in such a way that it is easy to retrain the model as well.

1. The User chooses the activity dataset.
2. The User gives required information.
3. The system stores each and every data given by the user or received on request to the database. Database you can choose your own choice whether MongoDB/ MySQL.

3. Deployment

1. AWS

4.Technology stack

Front End	HTML/CSS/JSt
Backend	Python Flask
Database	MySql
Deployment	AWS
version control	GitHub

5. Proposed Solution

The solution proposed here is Marriage Hall Booking can be implemented to perform above mention use cases. In first case, take user's mail and password for building session and generate reports, further in the second use case take user input as a date for particular hall and if on that date if anyone booked that hall then through a message that this hall is not available and lastly in the final use case of Marriage Hall Booking, if everything went well we generate the hall report and that hall report is now available on the above tab which is not present before booking.

6. Error Handling

Should errors be encountered, an explanation will be displayed as to what went wrong?

An error will be defined as anything that falls outside the normal and intended usage.

7.Key performance indicators (KPI)

- Key indicators displaying a summary of the anomaly detection in the society/area.

- Time and workload reduction using the MARRIAGE HALL BOOKING APPLICATION.
- Secure Payment gateway.
- No conflicts with other user's booking.

8. Conclusion

We have shown how to build a Marriage hall booking system with a database as the back-end and a front-end in HTML embedded with Python. The ability to reserve for any user and the ability to manage the whole database from the web-site made this system a very powerful administrative Marriage Hall booking system. The security model used based on different privilege for different users also makes the system a real-life application.