Magic Villa

A PROJECT REPORT

Submitted by

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(200540107083)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

DARSHAN INSTITUTE OF ENGINEERING AND TECHNOLOGY, RAJKOT

Gujarat Technological University, Ahmedabad

April - 2024

Darshan Institute of Engineering and Technology, Rajkot

Rajkot - Morbi Hwy, Rajkot, Gujarat 363650

CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Magic Villa** has been carried out by **Maitri Bhimani** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in ***Department of Computer Engineering***, 8th Semester of Gujarat Technological University, Ahmedabad during the academic year 2023-24.

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DECLARATION

We hereby declare that the Internship / Project report submitted along with the Project entitled **Magic Villa** submitted in partial fulfilment for the degree of Bachelor of Engineering in **Computer Engineering** to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me at Darshan Institute of Engineering and Technology under the supervision of **Prof. Firoz Sherasiya** and that no part of this report has been directly copied from any students' reports or taken from any other source, without providing due reference.

Name of the Student — Sign of Student

Bhimani Maitriben Gopalbhai _____

ACKNOWLEDGEMENT

I wish to express my sincere gratitude to my project guide Prof. **Firoz Sherasiya** and all the faculty members for helping me through my project by giving me the necessary suggestions and advices along with their valuable co-ordination in completing this work.

I also thank my parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of my work. In addition to that, I would also like to mention the college personals who gave me the permission to use and experience the valuable resources required for the project from the college premises.

Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan Institute of Engineering & Technology** for their valuable support in completion of the project.

With Sincere Regards

Bhimani Maitriben Gopalbhai

ABSTRACT

Magic Villa is a premier destination designed to enchant and inspire travelers seeking unparalleled luxury and relaxation. Nestled amidst captivating landscapes, each villa offers a harmonious blend of contemporary elegance and natural beauty.

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CHAPTER 1 - INTRODUCTION TO PROJECT

1.1 Project

Magic Villa is a web-based platform that provides that different services i.e. user can see different type of villa with details. There is an additional service available where user can store their password for different websites with the URL

1.2 Purpose

The Main purpose of magic Villa is maintain the villa and their booking. This platform will store booking details for different villas. So, our website is basically providing details of villa.

1.3 Objective

Optimizing Property

Communication and Transparency

1.4 Scope

1.4.1 What it can't do

- System can't apply stored password to the particular websites, user have to manually copy past password from the website.

1.5 Technology and Literature Review

Here I use ASP.NET webforms to develop this website because the main reason of .Net webforms is cross platform support that enables the application to run on windows, Mac and Linux OS.

The website is made in asp.net webforms because it is cross platform support that enables the application to run on Windows, Mac and Linux OS. In front-end use bootstrap JavaScript and SSMS is to find and filter the data

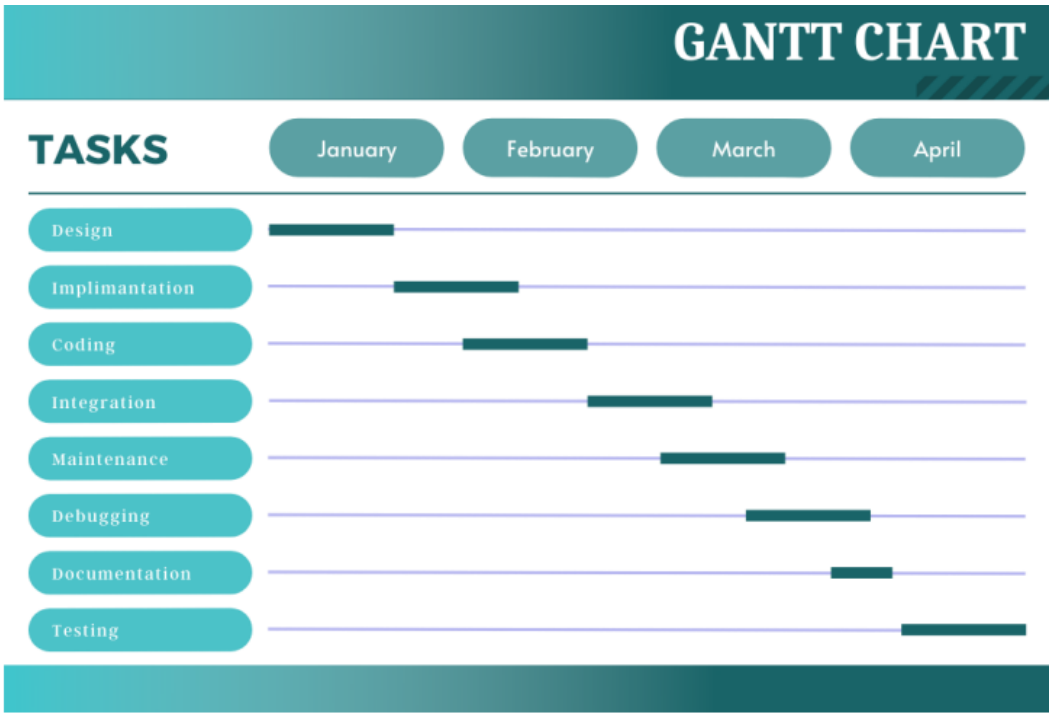
1.6 Project Planning

Initially started with its design, then implementation, verification, and maintenance and use architecture because it is easy to manage the how system works

Its designing took 1 month time, then database part took 5days, its implementation in asp,net webforms took 1 and half month, remaining integration took 5 days to complete.

Here my role was a full stack developer. Front-end & Back-end was built from the scratch. It was individual project.

1.7 Project Scheduling



CHAPTER 2 – SYSTEM ANALYSIS

2.1 Study of current System

First thing in the Analysis model is Study of Existing System, which is available. Without Study of Existing system Analysis Model can't proceed.

Here current system is manual system. In manual system records of order detail, process details as well as customer detail are kept.

So rate of data redundancy is high because same data is needed to be stored in more then one place.

2.2 Problem and Weaknesses of Current System

Editing and maintenance of data is tedious as well as costlier

Lack of integration

To operate manual system requires technical expertise on process detail

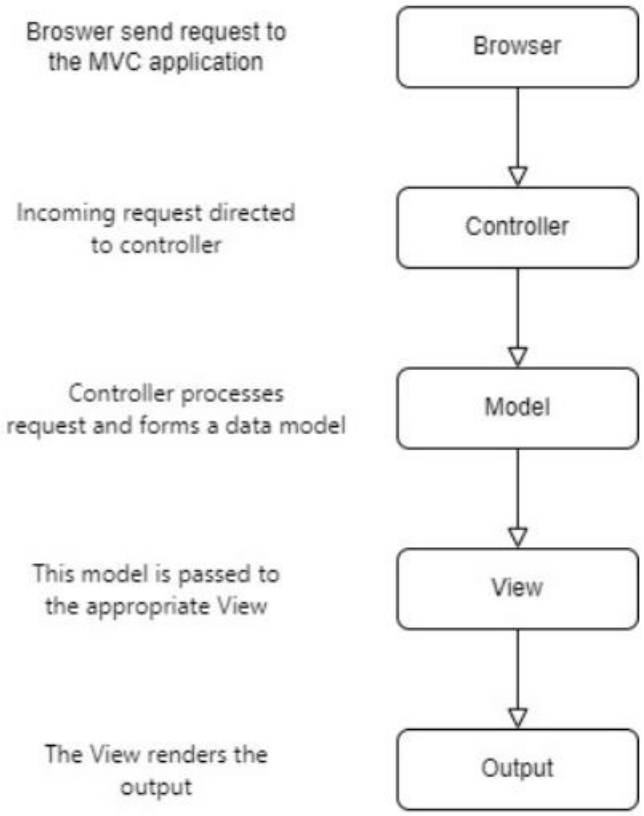
2.3 Requirement of New System

The product will be operating in windows environment for Admin.

The only requirement to use this product would be the internet connection.

User	Particulars	Client System	Server System
Admin, Customer And Service Provider (Windows Application)	Operating System	Windows	Windows Server
	Processor	Dual core (Minimum)	Pentium 4.0 GHz or higher
	Hard disk	10 GB (Minimum)	1 GB
	RAM	512 MB (Minimum)	8 GB

2.4 Process in New System



2.6 Features of New System

1.Add User Details

New entries must be entered in database

2.Update User Details

Any changes should be updated in case of update

3.Delete User Details

Wrong entry must be removed from system

2.7 Methodology

Three tier architecture is a methodology or architectural pattern used for efficiently relating the user interface to underlying data models and organizing to relate the application code. Three tier architecture is primarily used to separate an application into three main components.

CHAPTER 3 – SYSTEM DESIGN

3.1 System Design and Methodology

Server

Operating System: Windows

Processor: Pentium 3.0 GHz or higher

RAM: 2 GB or more

Hard Drive: 40 GB or more

Client

Operating System: Windows

Processor: Pentium III or 2.0 GHz or higher or Octa

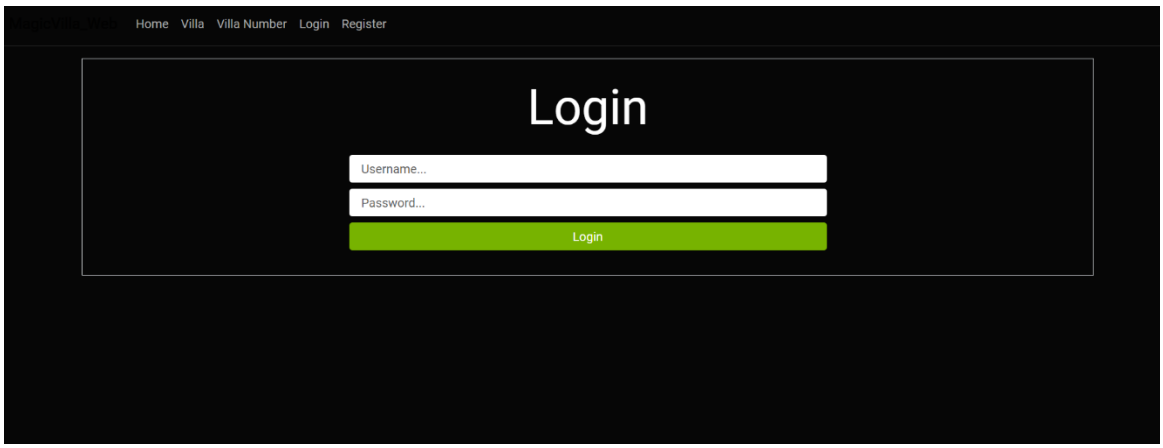
RAM: 512 MB or more

Database: MSSQL Server

Development Tools: Visual Studio, SQL server Management Studio

Communication between server and application system need the internet connection into system. Because sll the data will be available in server database.

3.2 Input/Output and Interface Design



CHAPTER 4 – IMPLEMENTATION

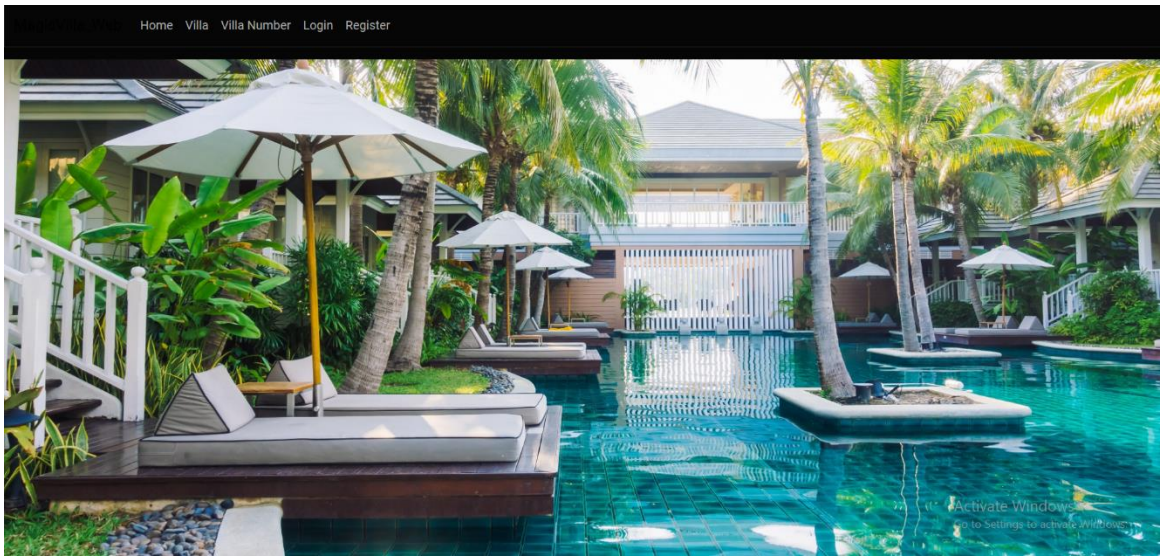
4.1 Implementation

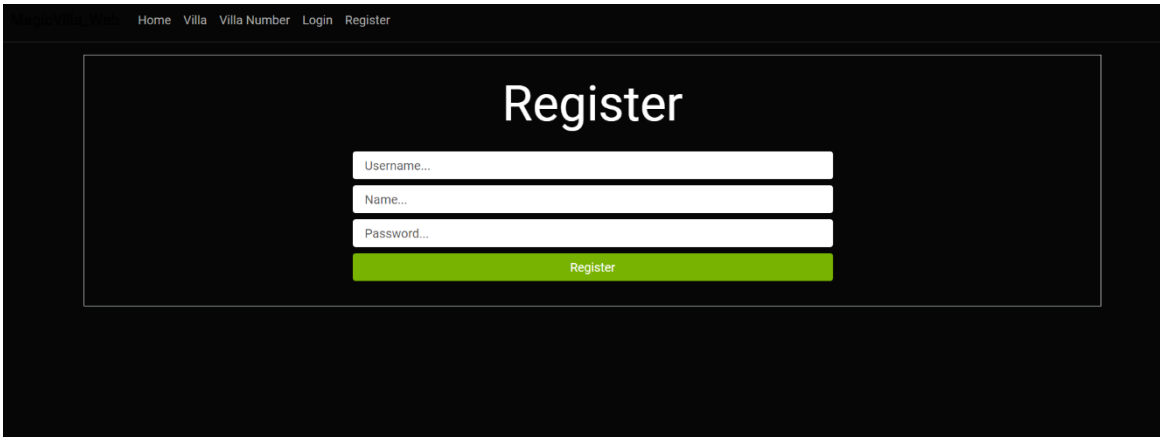
- Challenges identified for successful design and implementation of this project are dominated by: complexity, availability, documents data access while respecting security.

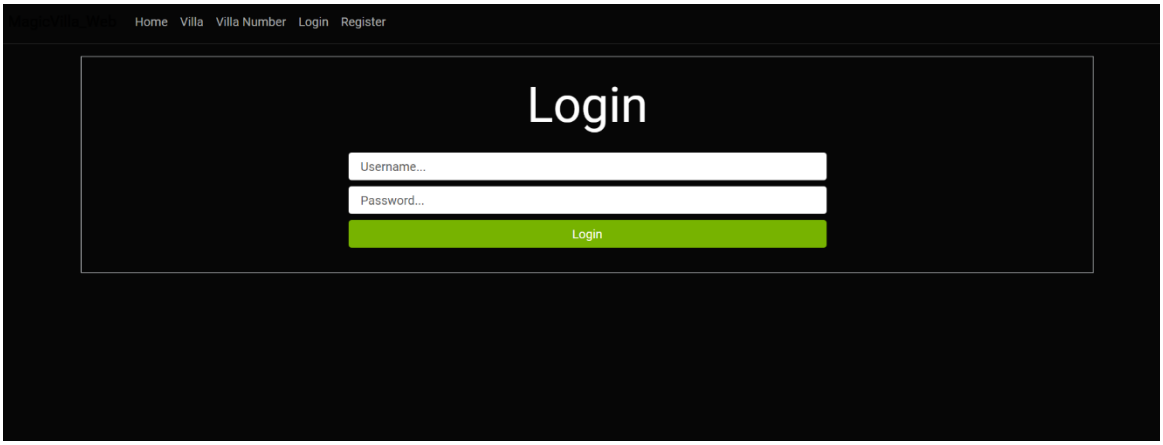
4.2 Module Specification

- This system is developed to bring more service providers. System GUI must be as simple and user friendly as anyone can use it.
- I have created a various form to insert and delete records from data base

4.3 Outcomes




MagicVilla_Web
Home
Villa
Villa Number
Login
Register
Register
Username...
Name...
Password...
Register


MagicVilla_Web
Home
Villa
Villa Number
Login
Register
Login
Username...
Password...
Login

CHAPTER 5 – TESTING

5.1 Testing Plan

In this following testing were done:

- Unit Testing

  In this Smallest piece of software is checked like login modal form.

- System Testing

  In this it conducts a complete, integrated system to evaluate the system's compliance with its specific requirements.

CHAPTER 6 – CONCLUSION AND DISCUSSION

6.1 Overall Analysis of Project

I. Project Requirements

- Safety requirements

  The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup

- Security requirements

  We are going to develop a secured database for this System.

- Software quality attributes

  The quality of the database is maintained in such a way so that it can be very user friendly to all the users of the database

- Hardware constraints

  The system requires a database in order to store persistent data. The database should have backup capabilities.

- Software constraints

  The development of the system will be constrained by the availability of required software such as database and development tools.

II. Time

It took almost 4 months to complete the whole project.

6.2 Dates of Continuous Evaluation

Date: 02/03/2024

Faculty: Firoz Sherashiya

Description: Evaluation of the project gone very well. There were minor changes sir told me to work on that. Insist me to focus on the optimization. Your code should not repeat in other classes.

6.3 Summary of Project Work

Overview:

The Project seems somewhat difficult in initial part because I have to make the dynamic project in asp.net core MVC, in which project must send mails to the user if they book or cancel the the service request. Learn about new CDN likes JQUERY DATABASE .

6.4 Limitation and Future Enhancement

Limitation:

i. It can’t handle large traffic
ii. It can’t manage the request if two service provider accept the request at same time
iii. More banking options are not there
iv. IT is not taking database backup automatically

Future Enhancement

i. Easy implementation environment
ii. WE can use API to handle traffic