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Department Of Computer Science

Farm House Management System

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Sem-I

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Project Introduction

<u>Farm House Management System</u>

- The aim of the project is to develop only for farm house banglos security purposes and a system that automates the processes.

- The purpose is to design a system using which Security guards can perform certain operations related to entries of people any update for Bangalow's owner

Need of the system

- In the traditional system a customer has to approach to find details of places and to book banglow's, our system automates this work.

- In the traditional system it often requires a lot of time and effort, this system saves time and efforts

- In a traditional system, a customer may not get the desired information from the offices, and often the customer may be misguided. But with our system in place, customers will get correct information and support.

Scope of the system

- The proposed system is a web based Website and maintains a centralized repository of all related information.

- The system allows one to easily access the relevant information and make necessary travel arrangements.

- Users can decide about places they want to visit and make bookings online for travel.

- Our system has a user friendly interface.

- The proposed system is designed by taking into considerations the all limitations of the manual system. The existing manual system has many requirements suggested by the user.

- It is designed in such a way that it can hold all the information that the user needed for the data processing and to generate various reports as per the requisition.

The major advantages of the proposed system over the manual system are as follows-

I.   Time saving.
II. Rapid information processing.
III. Accurate report generation.
IV. Less manual work.
V.   Fast and reliable system.

FACT FINDING TECHNIQUE

To study the system we need to collect facts. The specific methods used for collecting data is called fact finding techniques.

Different fact finding techniques are:

1. Interview Technique

The interview technique help us to get the required information   from the individual of the organization by proper investigation about the process followed for the system development

2. Observation Technique

Through observation we can obtain firsthand information about how activities are carried out. Observation helps us in finding and collecting information that cannot be obtain by any other fact   finding method

3. Record Review Techniques

In record review, we get the information that has been recorded about the system and customer

FEASIBILITY STUDY

Designing of any system includes first step, which is preliminary investigation. It is important and essential part on which whole system depends. Study of preliminary investigation is done through different types of feasibility studies.

The different types of feasibility studies which are carries out during the project development are as follows.

- **Technical Feasibility:-**

    If considers if it is possible to develop a system on available hardware, software and manpower it takes into consideration cost of hardware, software and technical equipment to see if the proposed system is technically feasible or not.
    Our system is going to reduce the 85% manual work.

- **Operational Feasibility:-**

    The system will be used if it is developed and implemented training of user actual place of implementation and expenses of training program are considered to see if it is operationally feasible for the organization it is carried by small number of people familiar to information system techniques are rules of business organization the person must be skilled and experienced in system analysis and design process.

- **Economical Feasibility**: -

    As development is done in house so cost of the development is very less.An application is GUI, so the cost of the learning curve minimum.

    The user of online voting system can give his vote while staying at home, so it save travelling cost and the organization which using this system need not to maintain extra staff so the system is economically feasible.

Requirement of the system

Operating System

- Windows

- Linux

- Mac

Web Browser

- Mozilla Firefox

- Google chrome

- Safari

-

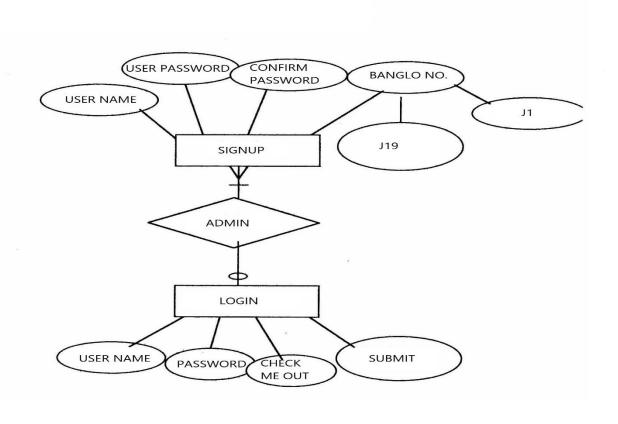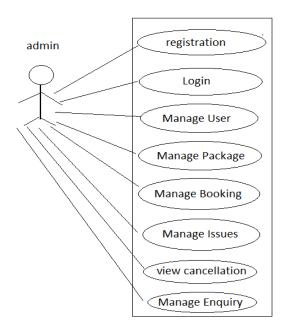**ON SERVER SIDE:**

- Web Server(Apache)

- PHP

- MySQL
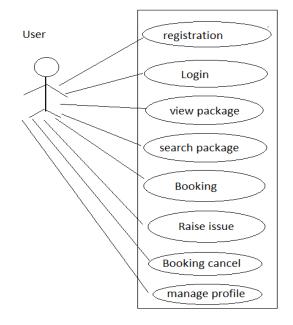

Any device having any search engine and internet connectivity.

Entity Relationship diagram
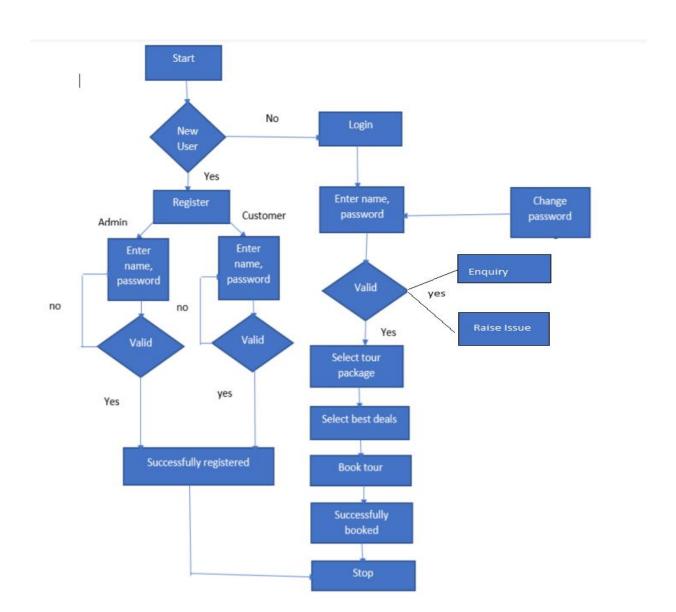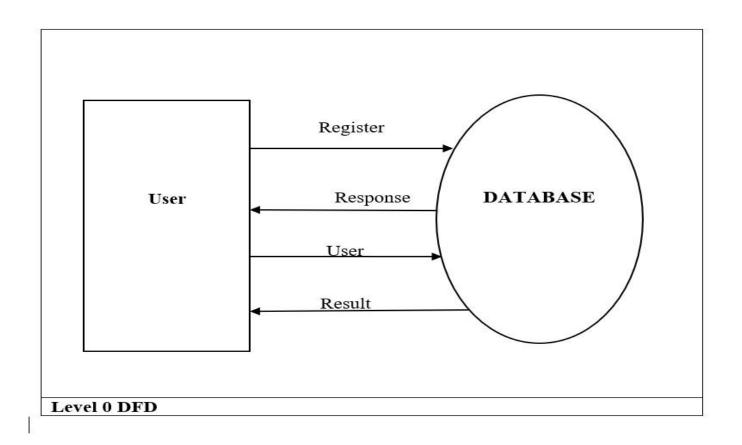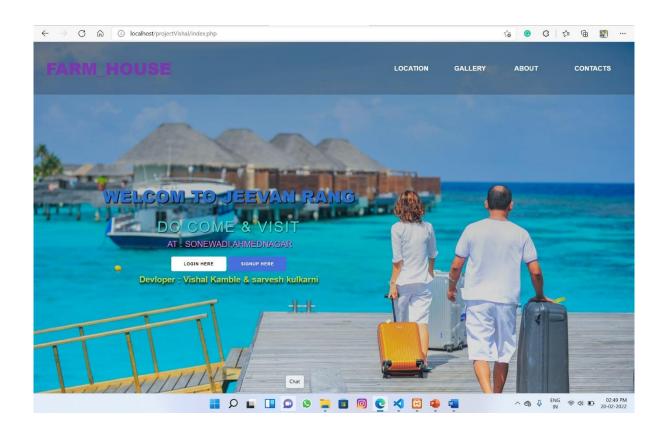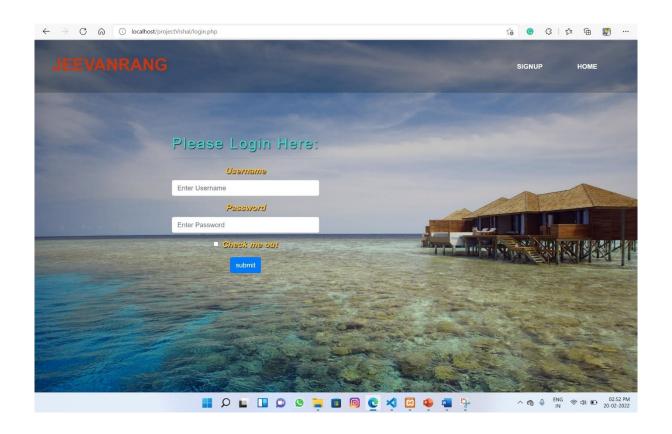
USE CASE DIAGRAMS

Flow Chart:

Data Flow Diagrams

Level 0 DFD

Screen Layouts : index.html

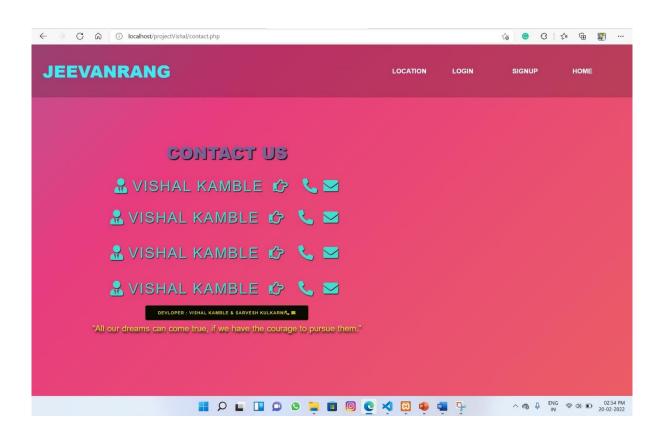# Screen Layouts : Log in page

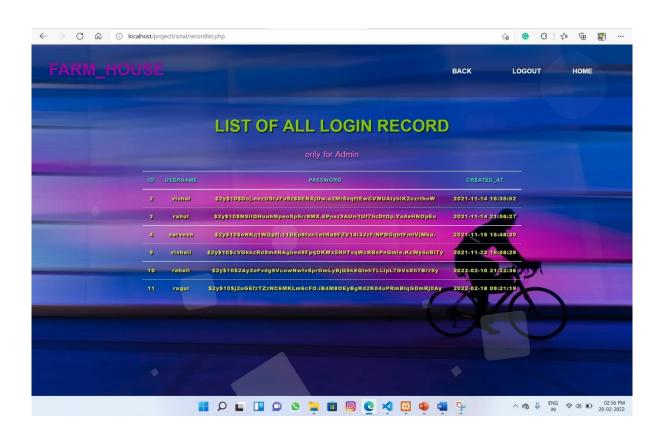<College_name> <Degree/Year> <Project>

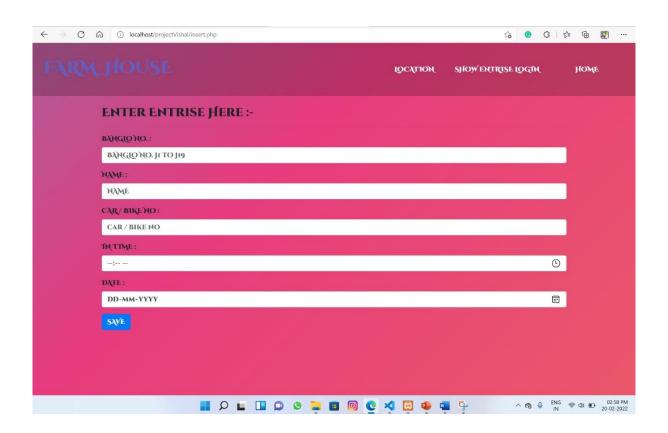# Screen Layouts : signup form
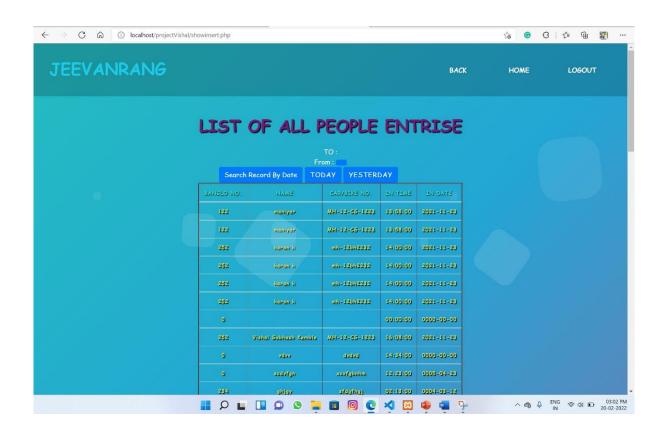

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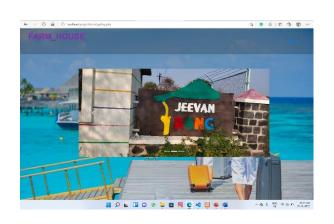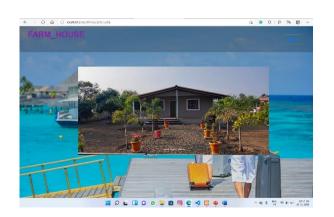
Contact us

List of all login record

Car entries

Entries Record

<College_name> <Degree/Year> <Project>
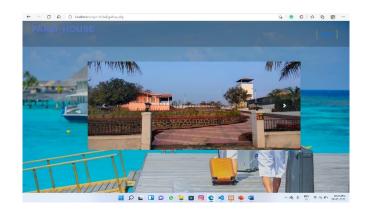
Gallery page

database

Entries Record database

Login record database

Data Dictionary -

- TABLE - ADMIN

Field	Data Type	Specification
id	Int	PRIMARY KEY
UserName	Varchar(20)	USERNAME OF ADMIN
Password	Varchar(80) - encrypted	PASSWORD IN ENCRYPTED FORMAT
Updation Date	Timestamp	DATE AND TIME AT WHICH ENTRIES GOT UPDATED

Table : user

Field	Data Type	Specification
id	Int	PRIMARY KEY
Full name	Varchar(20)	FULL NAME OF USER
Mobile number	NUMBER	MOBILE NUMBER
Mail id	Varchar(20)	Email of user
Password	Varchar(80) - encryption	PASSWORD IN ENCRYPTED FORMAT
Registration_date	Date	Date of user Registration

TABLE - BOOKING

Field	Data Type	Specification
Booking_id	Int	PRIMARY KEY
Package_id	Int	PK from package
User_email	Varchar(30) - encryption	Email of user
From_date	Date	Tour start date
To_date	Date	Tour end date
comment	Varchar(20)	What user want to say
status	int	Active or cancelled
Cancel date	date	Date of cancellation

Table - enquiry

Field	Data Type	Specification
id	Int	PRIMARY KEY
User_id	Int	FK from user table
Full name	Varchar(20)	FULL NAME OF USER
Email_id	Varchar(25) - encryption	EMAIL OF USER
Mobile_number	number	MOBILE NUMBER
subject	Varchar(20)	Subject of enquiry
Description	Varchar(40)	Describe enquiry
Admin_Remark	Varchar()	
Posting_Date	Date	Date of posting enquiry

Table - issues

Field	Data Type	Specification
id	Int	PRIMARY KEY
User_id	Int	FK from user table
issues	Varchar(20)	SUBJECT OF RAISING ISSUE
Description	number	MOBILE NUMBER
Posting Date	Date	Date of Posting issue
Description	Varchar(40)	Describe Issues
Posting_Date	Date	Date of posting enquiry

Limitations:

- The interface can be made more rich and user-friendly using latest frontend libraries like React.

- User is not notified when admin reacts to their issue. User has to manually check by logging in to system whether the admin has resolved issue or not.

- The payment system is manual and only through NEFT.

<College_name> <Degree/Year> <Project>

Future enhancements:

1. By using React library we can make the user- interface more rich and interactive.

2. We can implement a system where we will be able to notify user once admin reacts to their issue .

3. Making easy to use

References:-

- https://www.w3schools.com/php/default.asp
- https://www.youtube.com
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- http://www.w3schools.com/html/defualt.asp.
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Thank You!! 😊