
**ATMIYA UNIVERSITY
RAJKOT**



A

Report On

Under subject of

MAJOR PROJECT

B.TECH, Semester-
VII(Computer Engineering)

Submitted by:

- | | |
|--------------------------------|-----------|
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Prof. Nirali Borad

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Prof. Tosal M. Bhalodia

(Head of the Department)

Academic
Year (2022-23)

CANDIDATE'S DECLARATION

We hereby declare that the work presented in this project entitled "**Simple House Rental System**" submitted towards completion of project in 7th Semester of B.Tech. (Computer Engineering) is an authentic record of our original work carried out under the guidance of "Prof. Nirali Borad".

We have not submitted the matter embodied in this project for the award of any other degree.

Semester: 7th

Place: Rajkot

Signature:

Jugal Patel

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Atmiya Institute of Technology and Science, Rajkot

ATMIYA UNIVERSITY RAJKOT



CERTIFICATE

Date:

This is to certify that the “**Simple Rental House System**” has been carried out by **Jugal Patel** under my guidance in fulfillment of the subject Major Project in **COMPUTER ENGINEERING (7th Semester)** of Atmiya University, Rajkot during the academic year 2022.

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(Project Guide)

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Semester: 7th

Place: Rajkot

Signature:

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Date:

This is to certify that the “**Simple Rental House System**” has been carried out by **Arpit Kanani** under my guidance in fulfillment of the subject Major Project in **COMPUTER ENGINEERING (7th Semester)** of Atmiya University, Rajkot during the academic year 2022.

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Semester: 7th

Place: Rajkot

Signature:

Gaurang Gauswami

(190002036)

Atmiya Institute of Technology and Science, Rajkot

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CERTIFICATE

Date:

This is to certify that the “**Simple Rental House System**” has been carried out by **Gaurang Gauswami** under my guidance in fulfillment of the subject Major Project in COMPUTER ENGINEERING (7th Semester) of Atmiya University, Rajkot during the academic year 2022.

Prof. Nirali Borad

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(Head of the Department)

ATMIYA UNIVERSITY RAJKOT

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Jugal Patel	(190002085)
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ABSTRACT

In particular, this House Rental System project in PHP MySQL focuses mainly on keeping track of properties for rentals. Also, the system displays all the properties with their respective details. In addition, the system allows managing customers' records. Evidently, this project only contains an admin, customer panel with a client-side interaction. In an overview of this web application, a customer can simply register their own account to start in. In short, the system requires a number of property details. It includes owner details, room details, pricing details, images, and more. Here, the user can register their room as well as apartment details. However, the admin can also make changes to each and every customer's property details.

INDEX

Sr. No.	TITLES	Page No.
	Acknowledgement	I
	Abstract	II
	List of Figures	III
	List of Tables	IV
1.	Introduction	10
	1.1 Purpose	11
	1.2 Scope	11
	1.3 Technology and tool	11
2.	Project Management	12
	2.1 Project Planning	13
	2.2 Project Scheduling	17
	2.3 Risk Management	17
	2.3.1 Risk Identification	18
	2.3.2 Risk Analysis	19
3.	System Requirements Study	21
	3.1 Hardware and Software Requirements	22

		3.1.1	Server side hardware requirement	22
		3.1.2	Software requirement	23
		3.1.3	Client Side requirement	23
	3.2	Constraints		23
		3.2.1	Hardware Limitation	23
		3.2.2	Reliability requirements	24
		3.2.3	Safety and Security Consideration	24
4.	System Analysis			25
	4.1	Study of Current System		26
	4.2	Problem and Weaknesses of Current System		26
	4.3	Requirements of New System		26
		4.3.1	User Requirements	26

	4.4	Feasibility Study	27
	4.4.1	Does the system contribute to overall objectives of the organization?	27
	4.4.2	Can the system be implemented using the current technology and within the given cost and schedule constraints	28
	4.4.3	Can the system be integrated with other system which are already in place?	28
	4.5	Feature Of New System	30
	4.6	Selection Of Hardware and Software and Justification	35
5	System Design		36
	5.1	Input /output interface	37
	5.2	Interface Design	38
	5.2.1	Class Diagram	38
	5.2.2	Use Case Diagram	
	5.2.3	Activity Diagram	
	5.2.4	Data Flow Diagram	
6	Code Implementation		40
	6.1	Implementation Environment	41
	6.2	Program/Module Specification	41
	6.3	Coding Standards	41
7	Testing		42
	7.1	Testing Strategy	44
	7.2	Testing Method	46
	7.2.1	Unit Testing	46
	7.2.2	Integration Testing	46
	7.2.3	Validation Testing	46
	7.3	Test Cases	47
	7.3.1	Test Suite	47
8	Limitations and Future Enhancement		48
	8.1	Limitations	49
	8.2	Future Enhancement	49
9	Conclusion		50
10	References		

LIST OF FIGURES

Figure No.	TableTitle
5.1.1	LANDING PAGE
5.1.2	ADMIN LOGIN PAGE
5.1.3	ADMIN PAGE
5.1.4	PROPERTY DETAILS PAGE
5.1.5	INDIVIDUAL HOME REGISTRATION PAGE
5.1.6	APPARTMENT REGISTRATION PAGE
5.1.7	COMPLAINT LIST PAGE
5.1.8	AVAILABLE RESULTS PAGE
5.1.9	CLIENTREGISTRATIONPAGE
5.1.10	CLIENTLOGINPAGE
5.1.11	CLIENTHOMEPAGE
5.1.12	PROPERTY DETIALSPAGE
5.1.13	INDIVIDUAL HOME REGISTRATION PAGE
5.1.14	APPARTMENT REGISTRATION PAGE
5.1.15	EDIT / VIEW PROPERTY DETAILS

LIST OF TABLES

Table No:	Title
3.1.1	Server side Hardware Requirement
3.1.2.1	Software Requirements
3.1.3.1	Client side Requirements
5.2.1	Register database-table
5.2.2	Admin and Dealer login database-table
5.2.3	Buyproduct database-table

CHAPTER – 1 INTRODUCON

PURPOSE

The purpose of this project is to create a web application to provide online Auditorium booking system platform to user by admin, where admin can add products , update products and see booking form user. User can easily book and cancel the booking of products for particular date.

SCOPE

Scope of this project is too wide, User can book products in advance and cancel the booking of products. Admin can add multiple products, update products and show their booking.

TECHNOLOGY AND TOOLS

Frontend: Technologies used for designing the structure and layout of the web application.

1. HTML:

- Hypertext Markup Language (HTML) is the main markup language for creating web pages and other information that can be displayed in a web browser.
- HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like `<html>`), within the web page content. HTML tags most commonly come in pairs like `<h1>` and `</h1>`, although some tags represent empty elements and so are unpaired, for example ``.

- The first tag in a pair is the *start tag*, and the second tag is the *end tag* (they are also called opening tags and closing tags). In between these tags web designers can add text, further tags, comments and other types of text-based content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page

2. CSS:

- Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a markup language. It's most common application is to style web pages written in HTML and XHTML, but the language can also be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.
- This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).
- It depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet

perhaps one on their own computer, to override the one the author has specified.

- CSS specifies a priority scheme to determine which style rules apply if more than one rule matches against a particular element. In this so-called cascade, priorities or *weights* are calculated and assigned to rules, so that the results are predictable.
- The CSS specifications are maintained by the World Wide Web Consortium (W3C). Internet media type (MIME type) `text/css` is registered for use with CSS by RFC 2318 (March 1998), and they also operate a free CSS validation service.

3. Bootstrap 4:

- Bootstrap is an open-source CSS framework released in 2011. It is used to create responsive user interfaces for the frontend.
- It is a mobile-first framework with current version written in SCSS.
- It covers all the requirements of creating a responsive frontend with some optional tweaks in colors and other components.
- It is one of the famous CSS frameworks available in the market due to its simplicity, a vast collection of components and helpers. **Backend:** Technologies used to create the back end of the application.

1. SQL:

- SQL (Structured Query Language) is a special-purpose programming language designed for managing data held in a relational database management system (RDBMS).

-
- Originally based upon relational algebra and tuple relational calculus, SQL consists of a data definition language and a data manipulation language. The scope of SQL includes data insert, query, update and delete, schema creation and modification, and data access control. Although SQL is often described as, and to a great extent is, a declarative language (4GL), it also includes procedural elements. SQL was one of the first commercial languages for Edgar F. Codd's relational model, as described in his influential 1970 paper "A Relational Model of Data for Large Shared Data Banks". Despite not entirely adhering to the relational model as described by Codd, it became the most widely used database language.
 - SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standards (ISO) in 1987. Since then, the standard has been enhanced several times with added features. But code is not completely portable among different database systems, which can lead to vendor locking. The different makers do not perfectly follow the standard, they add extensions, and the standard is sometimes ambiguous.

2. PHP:

- PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by

Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group.

- While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Preprocessor, a recursive acronym PHP code is interpreted by a web server with a PHP processor module which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications.
- PHP is free software released under the PHP License, which is incompatible with the GNU General Public License (GPL) due to restrictions on the usage of the term PHP. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

2. PROJECT MANAGEMENT

Project Planning:

Project Planning is concerned with identifying and measuring the activities, milestones and deliverables produced by the project. Project planning is undertaken and completed sometimes even before any development activity starts. Project planning consists of following essential activities:

- Scheduling manpower and other resources needed to develop the system.
- Staff organization and staffing plans.
- Risk identification, analysis, and accurate planning.
- Estimating some of the basic attributes of the project like cost, duration and efforts. The effectiveness of the subsequent planning activities is based on the

accuracy of these estimations. • Miscellaneous plans like quality assurance plan, configuration management plan, etc.

Project management involves planning, monitoring and control of the people, process, and the events that occurs as the software evolves from a preliminary concept to an operational implementation. Cost estimation is a relative activity that is concerned with the resources required to accomplish the project plan.

Project Scheduling:

The scheduling is the peak of a planning activity, a primary component of software project management. When combined with estimation methods and risk analysis, scheduling establishes a roadmap for project management. The characteristics of the project are used to adapt an appropriate task set for doing work.

Risk Management:

Risk management consists of a series of steps that help a software development team to understand and manage uncertain problems that may arise during the course of software development and can plague a software project.

Risks are the dangerous conditions or potential problems for the system which may

damage the system functionalities to very high level which would not be acceptable at any cost.

So in order to make our system stable and give its 100% performance we must have identify those risks, analyze their occurrences and effects on our system and must prevent them to occur.

Risk Identification:

Risk identification is a first systematic attempt to specify risks to project plan, Scheduling resources, project development. It may be carried out as a team process using brainstorming approach.

Technology risk:

Technical risks concern implementation, potential design, Interfacing, testing, and maintenance problems

- Database Corruptness
- Garbage Collection

People Risks:

These risks are concerns with the team and its members who are taking part in developing the system.

- Leaking an important data
- Failure of the administration
- Lack of knowledge ,
- Lack of clear product vision.
- Technical staff conflict • Poor communication between people.

Tools Risks:

These are more concerned with tools used to develop the system

- Tools containing virus.

General Risks:

General Risks are the risks, which are concerned with the mentality and resources.

- Lack of resources can cause great harm to efficiency and timely productivity.
- Rapidly changing requirements.

-
- Changes in requirements can cause a great harm to implementation, designing and schedule of developing the system.
 - Insufficient planning and task identification.

Risk Analysis

“Risk analysis = risk assessment + risk management + risk communication.” Risk analysis is employed in its broadest sense to include:

Risk assessment:

Involves identifying sources of potential harm, assessing the likelihood that harm will occur and the consequences if harm does occur.

For this project It might be :-

- System Crash.

Risk management

Evaluates which risks identified in the risk assessment process require management and selects and implements the plans or actions that are required to ensure that those risks are controlled.

Precautions taken to make risks minimal are as under:-

- Periodical backups are taken to avoid major loss in case of system crash.

Risk communication

Involves an interactive dialogue between stakeholders and risk assessors and risk managers which actively informs the other processes.

Steps taken for risk communication is as under:-

- Probability of certain risks is negotiated with client.
- All the possible risks are listed out during communication and project is developed taking care of that risks.

3. SYSTEM REQUIREMENTS STUDY

Hardware and Software Requirement

This shows minimum requirements to carry on to run this system efficiently.

Hardware Requirements Serverside

Hardware Requirement:

Devices	Description
Processor	Intel Core Duo 2.0 GHz or more
RAM	512 MB or more
Hard Disk	10 GB or more

Table 3.1.1. Server side Hardware Requirement

Software Requirements

For which	Software
Operating System	Windows7/8/10, Linux
Front End	HTML, CSS
Back End	MySQL Database
Coding Language	Php

Table 3.1.2.1 Software Requirements

Client side Requirements

For which	Requirement
Browser	Any Compatible browser device

Table 3.1.3.1 client side Requirements

Constraints

Hardware Limitations

The major hardware limitations faced by the system are as follows:

If the appropriate hardware is not there like processor, RAM, hard disks

-The problem in processing requests of client

-If appropriate storage is not there our whole database will crash due to less storage because our main requirement is large storage.

Reliability Requirements

Since many users can access the server simultaneously, load on the server becomes very high. Hence, the server should be of enough high configurations. There should be high back up storage and management of huge data for overall ideas, videos , images, multiple countries, multiple user profile.

The Reliability requirements are the validations used to protect the system against one or more incorrect activities. Without proper validation of the system, the failure possibilities of it grow higher so it is must to understand the proper validation

of the system and must implement them. All the required validator controls spend very good role to keep the system secure from any unauthorized or incorrect information. In all these validation actions if system found one or more entries violating validation rules then user will be warned by proper error messages and the details or the record is not going to be saved until corrections are made to them.

4. SYSTEM ANALYSIS

Study Current System

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification.

It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods a part from planning. Two major tasks of preparing the implementation are education and training of the users and testing of the system.

The more complex the system being implemented, the more involved will be the systems analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

Problem and weakness of current system

- Inconsistency in data entry and generate errors
- System is fully dependent on skilled individuals
- Time consuming and costly to produce reports
- Entry of false information
- Lack of security
- Duplication of data entry

Requirements of New System

User Requirements:

The user requirement for this system is to make the system fast, flexible, less prone to error, reduce expenses and save the time.

System Requirements:

• Functional System Requirement:

This section gives a functional requirement that applicable to the Online shopping system.

There are three sub modules in this phase.

1. Client / Search module.
2. Admin module.

• The functionality of each module is as follows:

- 1) **Client / Search module:** The user can search for rental properties using different keywords. Also, the user can search using apartment name, amount, locations, and more. Meanwhile, the system filters out all the available results and displays each to the user. In fact, this whole section falls upon the client-side. The search result includes the property details like owner details, occupancy status, contact information, image, and more. Here, this particular field plays an important role for the users to find their best property for rental use. The user can look upon a number of search results with an image attachment of each. With it, the system automatically displays the rental and selling amount of each.

2) Admin module: An admin has full control over the system. He/she can manage properties, customers, complaints. Nevertheless, the admin can proceed with the modification side of each listed property. Here, an admin can easily change the occupancy status of each. Also, the system allows adding room details for admin. Else, all other records overviews can be seen from the administrative dashboard. In fact, the admin can list out additional complaints about each rental property. With such management, the system generates overall property records for each. Even though this system limits excessive features to the users, still this system can be very convenient to the users around.

Non-Functional System Requirements:

i. EFFICIENCY REQUIREMENT:

When an online shopping cart android application implemented customer can purchase product in an efficient manner.

ii. RELIABILITY REQUIREMENT:

The system should provide a reliable environment to both customers and owner. All orders should be reaching at the admin without any errors.

iii. USABILITY REQUIREMENT:

The android application is designed for user friendly environment and ease of use.

iv. IMPLEMENTATION REQUIREMENT:

Implementation of the system using css and html in front end with jsp as back end and it will be used for database connectivity. And the database part is developed by mysql. Responsive web designing is used for making the website compatible for any type of screen.

v. DELIVERY REQUIREMENT:

The whole system is expected to be delivered in four months of time with a weekly evaluation by the project guide.

Feasibility Study

The feasibility study of any system is mainly intended to study and analyze the proposed system and to decide whether the system under consideration will be viable or not after implementation. That is it determines the usability of the project after deployment. To come to result a set of query is answered keeping the efficiency of the software and its impact on the domain for which it was developed.

Technical Feasibility:

In technical feasibility, we study all technical issues regarding the proposed system. It is mainly concerned with the specifications of the equipments and the software, which successfully satisfies the end-user's requirement. The technical needs of the system may vary accordingly but include:

The feasibility to produce outputs in a given time.

- Response time under certain conditions.
- Ability to process a certain volume of the transaction at a particular speed.
- Facility to communicate data.

Selection of Hardware and Software and Justification

The configuration of the existing systems is:

Processor : Pentium III, 500 MHz (or above)

Memory : 128 MB (or above)

Secondary storage: 20 GB (or above)

For Software there are following alternatives:

Operating System : Window 98, 2000,
XP,

NT Development tools : JSP, CSS, HTML

Database : MySQL

Documentation tool : MS-Word

5. System Design

Input /output interface

Figure 5.1.7 Booked products list by user

➤ Admin – Login

1) Home Page-



Landing page

2) Admin Login page-



Login Panel

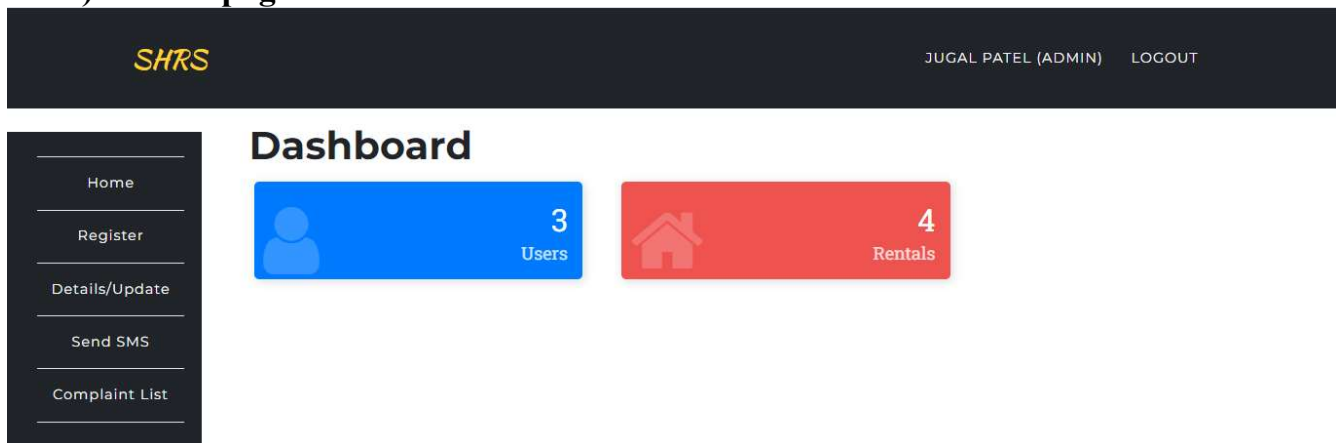
Email Address/Username

Password

Login

Admin Login Page

3) Admin page -



SHRS JUGAL PATEL (ADMIN) LOGOUT

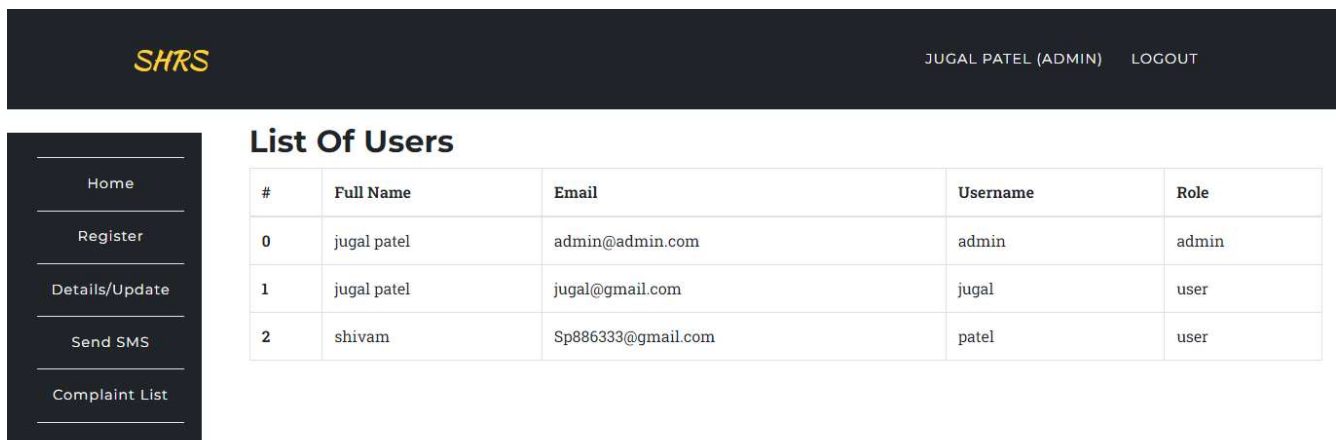
Dashboard

3 Users

4 Rentals

Admin Page

List Of Userspage-



SHRS JUGAL PATEL (ADMIN) LOGOUT

List Of Users

#	Full Name	Email	Username	Role
0	jugal patel	admin@admin.com	admin	admin
1	jugal patel	jugal@gmail.com	jugal	user
2	shivam	Sp886333@gmail.com	patel	user


List of userspage

Property Details page-

SHRS JUGAL PATEL (ADMIN) [LOGOUT](#)

List of Property Details

Owner Details	Room Details	Other Details	Edit
Owner Name: jugal patel	Plot Number: A-102	Accommodation: 4	
Contact Number: 1234567890	Sale: 32,00,000 Rs	Description: dssd	
Alternate Number: 1234567890	Available Rooms: 2 BHK	Occupied	
Email: admin@admin.com			
Country: India			
State: Gujarat			
City: Ahmedabad			



Property Details page

Individual Home Registration page-

SHRS JUGAL PATEL (ADMIN) [LOGOUT](#)

Individual Home Registration [Apartment Registration](#)

Register Room

Full Name	Mobile	Alternate Mobile
<input type="text" value="Full Name"/>	<input type="text" value="10 digit mobile number"/>	<input type="text" value="10 digit mobile number"/>
Email	Plot Number/Home Number	Available Rooms
<input type="text" value="Email"/>	<input type="text" value="Plot Number/Home Number"/>	<input type="text" value="1BHK/2BHK/3BHK/1RK"/>
Country	State	City
<input type="text" value="Country"/>	<input type="text" value="State"/>	<input type="text" value="City"/>
Rent	Sale	Deposit
<input type="text" value="Rent"/>	<input type="text" value="Sale"/>	<input type="text" value="Deposit"/>
Description	Landmark	Facilities
<input type="text" value="Description"/>	<input type="text" value="Landmark"/>	<input type="text" value="Facilities"/>
		Address
		<input type="text" value="Address"/>

Individual Home Registrationpage

Apartment Registration page

SHRS JUGAL PATEL (ADMIN) LOGOUT

[Individual Home Registration](#) [Apartment Registration](#)

Apartment Room

Apartment Name	Mobile	Alternate Mobile
<input type="text" value="Apartment Name"/>	<input type="text" value="10 digit mobile number"/>	<input type="text" value="10 digit mobile number"/>
Email	Plot Number/Home Number	
<input type="text" value="Email"/>	<input type="text" value="Plot Number/Home Number"/>	
Country	State	City
<input type="text" value="Country"/>	<input type="text" value="State"/>	<input type="text" value="City"/>
Landmark	Address	
<input type="text" value="landmark"/>	<input type="text" value="Address"/>	
Image		

Apartment Registration page

Complaint List page:

SHRS JUGAL PATEL (ADMIN) LOGOUT

List of Apartment Details

Apartment/Room	Complaints	Full Name
jugal	jugal	Jugal Patel

Complaint List Page

Client / Search –Module

→LANDINGPAGE:



Landing page2

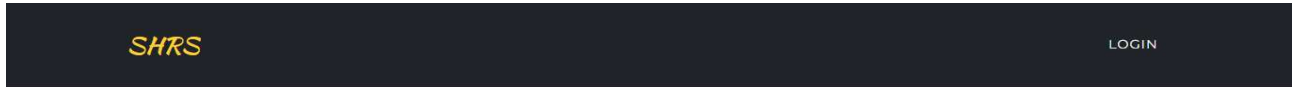
Available results:

The screenshot shows a search results page. At the top left is the 'SHRS' logo. At the top right are links for 'SEARCH', 'LOGIN', and 'REGISTER'. Below these is a search bar with the text 'Keywords (Ex: 1 BHK, Rent Amount, Landmark)'. To the right of the search bar is a dropdown menu showing 'Ahmedabad' and a green 'SEARCH' button. Below the search bar is the heading 'Available Results:'. The results are displayed in a table with three columns: 'Owner Details', 'Property Details', and 'Other Details'.

Owner Details	Property Details	Other Details
Owner Name: jugal patel	Plot Number: A-102	Accommodation: 4
Contact Number: 1234567890	Rent: 10,000 Rs per month	Description: dssd
Alternate Number: 1234567890	Sale: 32,00,000 Rs	Occupied
Email: admin@admin.com	Available Rooms: 2 BHK	
Country: India	Address: Sattadhar	
State: Gujarat	Landmark: test	
City: Ahmedabad		
Image:		

Available Reults Page

CLIENT REGISTRATION PAGE:



Register

Full Name	User Name
<input type="text" value="Full Name"/>	<input type="text" value="User Name"/>
Mobile	Email
<input type="text" value="10 digit mobile number"/>	<input type="text" value="Email"/>
Password	
<input type="text" value="Password"/>	
Confirm Password	
<input type="text" value="Confirm Password"/>	
<input type="submit" value="Submit"/>	

CLIENTREGISTRATIONPAGE

CLIENT LOGIN PAGE:



Login Panel

Email Address/Username
<input type="text" value="jugal"/>
Password
<input type="password" value="...."/>
<input type="submit" value="Login"/>

CLIENT LOGIN PAGE

CLIENT HOMEPAGE:

The screenshot shows the client homepage. At the top, there is a dark navigation bar with the logo 'SHRS' on the left and the user name 'JUGAL PATEL' and 'LOGOUT' on the right. Below the navigation bar is a sidebar with three menu items: 'Home', 'Register', and 'Details/Update'. The main content area is titled 'Dashboard' and features a green card with a house icon, the number '1', and the text 'Registered Rooms'.

CLIENT HOME PAGE

Property details page:

The screenshot shows the property details page. It has the same dark navigation bar and sidebar as the client homepage. The main content area is titled 'List of Property Details' and contains a table with three columns: 'Owner Details', 'Room Details', and 'Other Details'. The 'Other Details' column includes a 'Vacant' status and an 'Edit' button. At the bottom of the table, there is a red circular stamp with the word 'SAMPLE' and stars.

Owner Details	Room Details	Other Details
Owner Name: jugal patel	Plot Number: A-702	Accommodation: ALL
Contact Number: 0987654321	Sale: 89,00,000 Rs	Description: Best
Alternate Number: 0987654321	Available Rooms: 3BHK	Vacant
Email: jugal@gmail.com		
Country: India		
State: GUJARAT		
City: AHMEDABAD		

PROPERTY DETAILS PAGE

REGISTER NEW INDIVIDUAL HOME / APARTMENT ROOM PAGE:

SHRS JUGAL PATEL LOGOUT

Individual Home Registration **Apartment Registration**

Register Room

Full Name	Mobile	Alternate Mobile
<input type="text" value="Full Name"/>	<input type="text" value="10 digit mobile number"/>	<input type="text" value="10 digit mobile number"/>
Email	Plot Number/Home Number	Available Rooms
<input type="text" value="Email"/>	<input type="text" value="Plot Number/Home Number"/>	<input type="text" value="1BHK/2BHK/3BHK/1RK"/>
Country	State	City
<input type="text" value="Country"/>	<input type="text" value="State"/>	<input type="text" value="City"/>
Rent	Sale	Deposit
<input type="text" value="Rent"/>	<input type="text" value="Sale"/>	<input type="text" value="Deposit"/>
Facilities		
<input type="text" value="Facilities"/>		
Description	Landmark	Address

INDIVIDUAL HOME REGISTRATION

SHRS JUGAL PATEL LOGOUT

Individual Home Registration **Apartment Registration**

Apartment Room

Apartment Name	Mobile	Alternate Mobile
<input type="text" value="Apartment Name"/>	<input type="text" value="10 digit mobile number"/>	<input type="text" value="10 digit mobile number"/>
Email	Plot Number/Home Number	
<input type="text" value="Email"/>	<input type="text" value="Plot Number/Home Number"/>	
Country	State	City
<input type="text" value="Country"/>	<input type="text" value="State"/>	<input type="text" value="City"/>
Landmark	Address	
<input type="text" value="landmark"/>	<input type="text" value="Address"/>	
Image		

APARTMENT REGISTRATION PAGE

EDIT / VIEW DETAILS PAGE:

Register Room

Full Name: jugal patel Mobile: 0987654321 Alternat Mobile: 0987654321

Email: jugal@gmail.com Plot Number/Home Number: A-702 Available Rooms: 3BHK

Country: India State: GUJARAT City: AHMEDABAD

Rent: 20,000 Sale: 89,00,000 Deposit: 50,000 Accommodation: ALL

Description: Best Landmark: TEST Address: Arjun Tower

Vacant/Occupied: Vacant Other: Other

Submit

EDIT / VIEW DETAILS PAGE

databaseTables

cmp table:

FieldName	Data Type	Constraints
id	Int (11)	PrimaryKey
name	Varchar(100)	NotNull
cmp	Varchar(20)	NotNull
username	varchar(255)	NotNull
fullname	Varchar(20)	NotNull

Table5.2.1cmpdatabase-table

Room Rental Registration table

Field Name	Data type
id	int(10)
fullname	varchar(191)
mobile	varchar(191)
alternat_mobile	varchar(191)
email	varchar(191)
country	varchar(191)
state	varchar(191)
city	varchar(191)
landmark	varchar(191)
rent	varchar(191)
sale	varchar(190)
deposit	varchar(191)
plot_number	varchar(191)
rooms	varchar(100)
address	varchar(191)
accommodation	varchar(191)
description	varchar(191)
image	varchar(191)
open_for_sharing	varchar(191)
other	varchar(191)
vacant	int(1)
created_at	timestamp
updated_at	timestamp
user_id	int(10)

Table5.2.2 Room Rental Registrationdatabase-table

Room Rental Registration Apartment database-table

Field Name	Data type
id	int(10)
fullname	varchar(191)
mobile	varchar(191)
alternat_mobile	varchar(191)
email	varchar(191)
country	varchar(191)
state	varchar(191)
city	varchar(191)
landmark	varchar(191)
rent	varchar(191)
sale	varchar(190)
deposit	varchar(191)
plot_number	varchar(191)
rooms	varchar(100)
address	varchar(191)
accommodation	varchar(191)
description	varchar(191)
image	varchar(191)
open_for_sharing	varchar(191)
other	varchar(191)
vacant	int(1)
created_at	timestamp
updated_at	timestamp
user_id	int(10)

Table5.2.3Room Rental Registration Apartment database-table

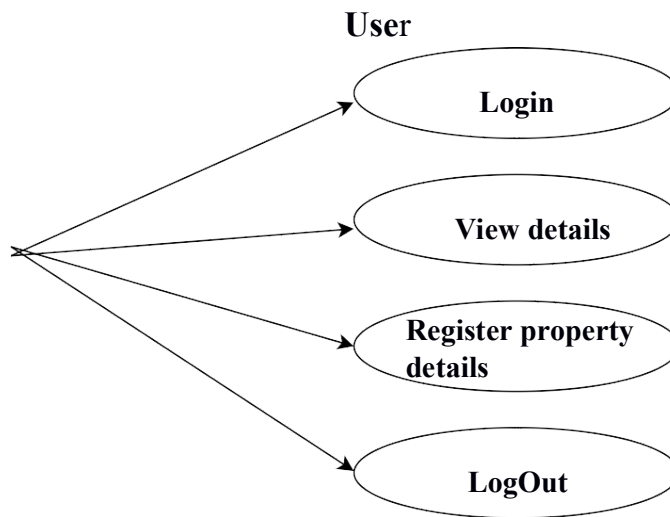
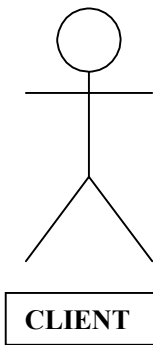
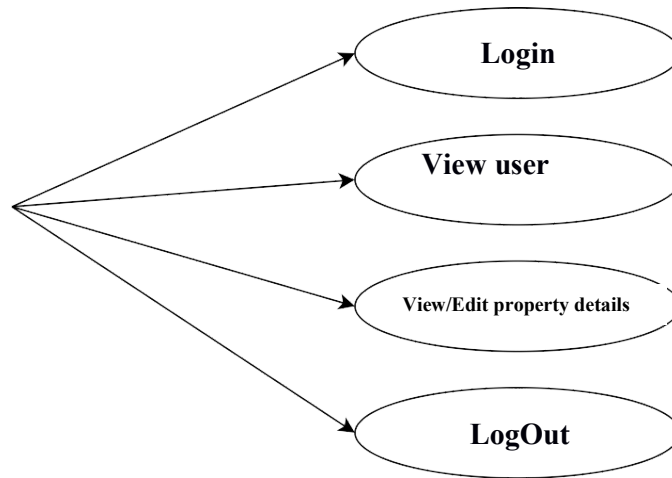
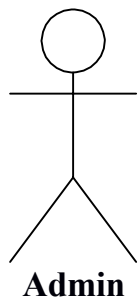
Users Table

Field Name	Field Type
id	int(10)
fullname	varchar(191)
mobile	varchar(191)
username	varchar(191)
email	varchar(191)
password	varchar(191)
created_at	Timestamp
updated_at	Timestamp
role	varchar(100)
status	int(1)

Table 5.2.4 User data base-table

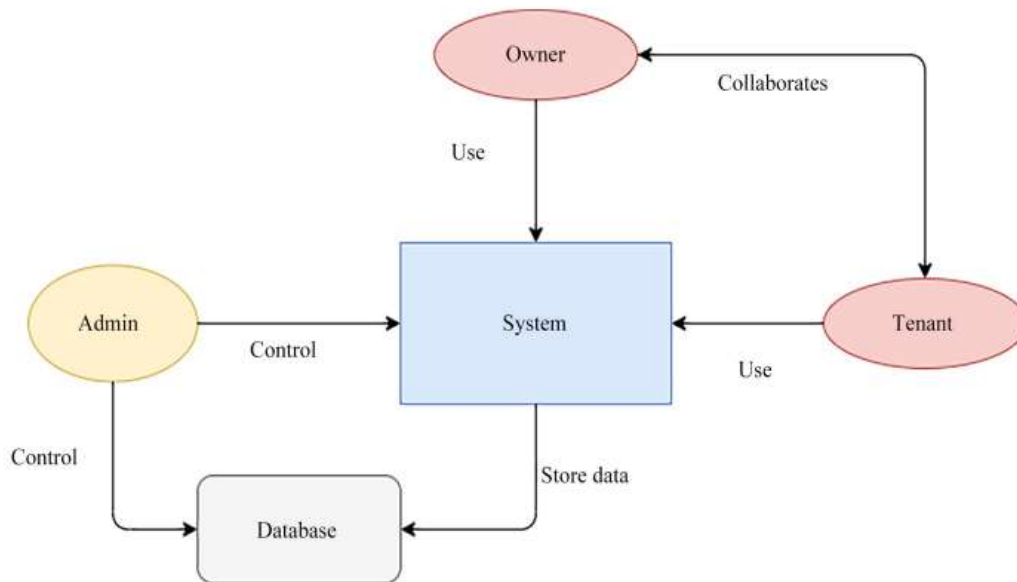
Interface Design

Use case Diagram

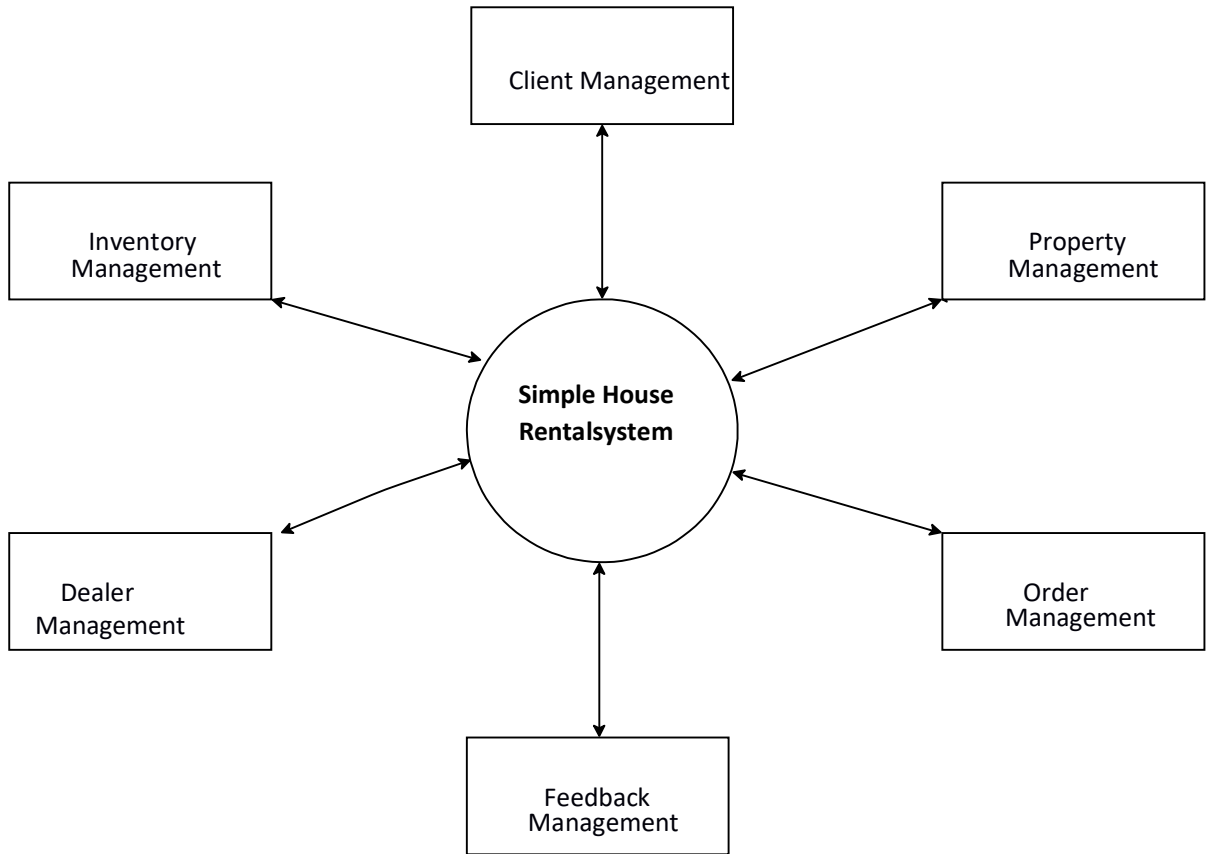


Activity Diagram

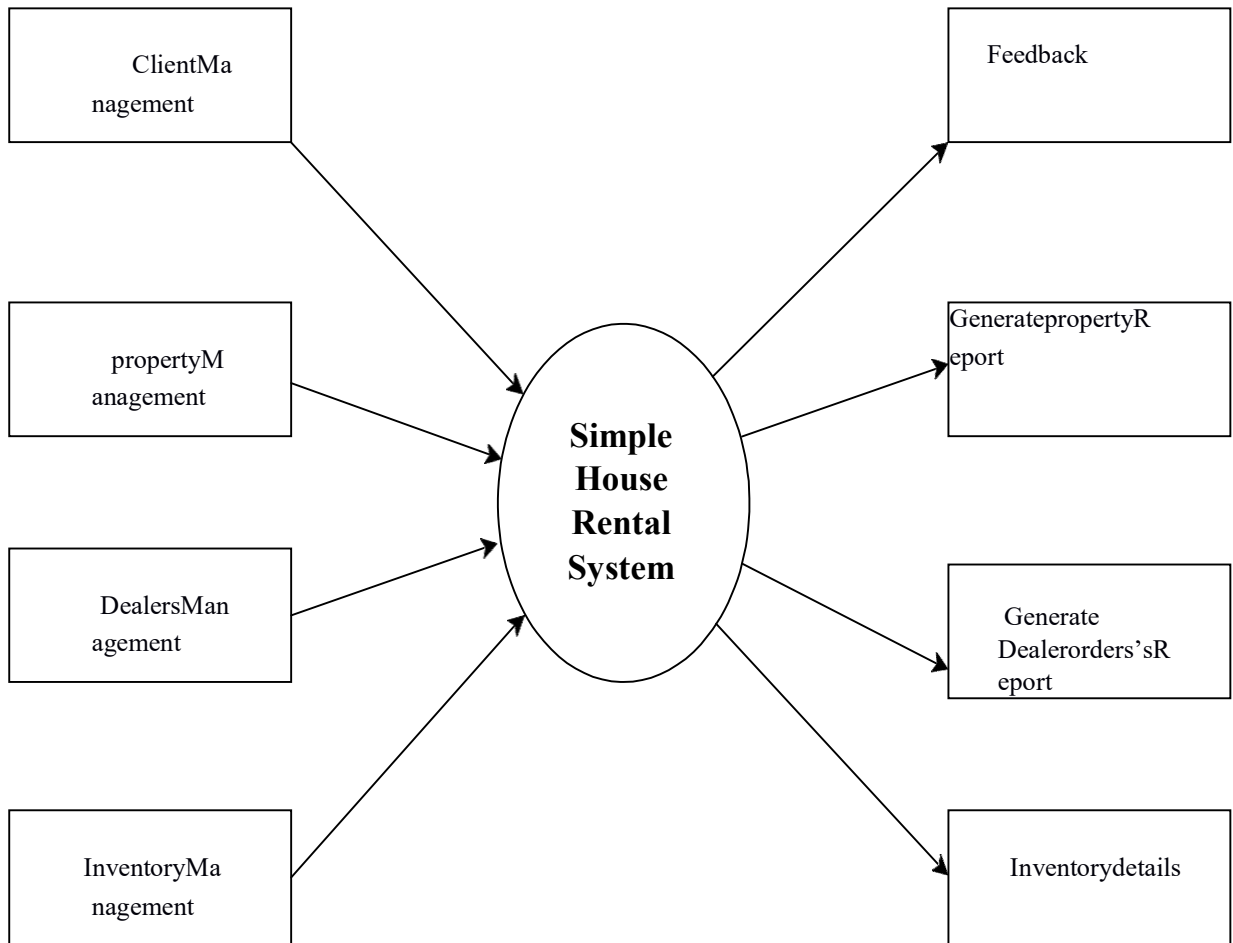
Data Flow Diagram



ZeroLevelDFD



First level DFD



6.

Code Implementation

Implementation Environment

Factors identified for successful design and implementation of this project are dominated by:

- Complexity, reliability/availability, transparent data access. The project was a result of a group consensus. The team was having two members. The team was guided by project manager.

The team structure depends on the management style of the organization, the no. of people in the team, their skill levels and the problem difficulty.

Program/Module Specification

- System GUI must be as simple and user friendly as anyone can use it. At front side we implemented login form to access the system.
- A Session is maintained throughout the system when a particular user enters into the system. The Session is regularly checked whenever it is required.
- Proper validation is placed as and when it is required.

Coding Standards

- Normally, good software development organization requires their programmers to maintain some well-defined and standard style of coding called coding standard.

6.3.1 Comment Standards:

- The comment should describe what is happening, how it is being done, what parameters mean, which global are used and which are modified, and any registration or bugs.

The standards I have followed are:

-
- Comment may also be used in the body of the Cascading style sheets to explain individual sections or lines of codes to easily get access and easily review or manage the classes or properties for the pages.
 - Inline comments should be made with the //. Comment style and should be indented at the same level as the code described.
 - For multiple line comments we write between /* */.

7.

Testing

Testing Strategy

A strategy for software testing integrates software test case design method into a well-planned series of steps that result in the successful construction of the software. The strategy provides the roadmap that describes the steps to be conducted as a part of testing, then these steps are planned and then undertaken, and how much effort, time and resource will be required.

Testing Method

Unit Testing

The unit testing is meant for testing smallest unit of software. There are two approaches namely bottom-up and top-down. In bottom up approach the last module is tested and then moving towards the first module while top down approach reverses the action. In present work we opt for the first one. The bottom up approach for the current project is carried out as shown in.

Validation Testing

After the integration testing software is completely assembled as a package, interfacing error have been uncovered and corrected, and then validation testing may begin. Validation can be defined in many ways but a

simple definition is what a validation succeeds when software functions in a manner that can be reasonably accepted by the user.

Integration Testing

The integration testing is meant to test all the modules simultaneously because it is possible that all the modules may function correctly when tested individually. But they may not work altogether and may lead to unexpected outcome.

CHAPTER-8

LIMITATIONS AND FUTURE ENHANCEMENTS

LIMITATIONS

Though we tried our best in developing this system but as limitations are mere parts of any system so are of our system. Some limitations of our project are:

- Lack of rights to admin : Like admin cannot delete products.

FUTURE ENHANCEMENT

There is always a scope for enhancements in any developed system, especially when our nature of the project is iterative waterfall which allows us to rethink on the method of development to adopt changes in the project. Below mentioned are some of the changes possible in the future to increase the adaptability, and efficiency of the system.

- It will able to give proper location thorough google maps
- We will also try to show the 3D Module of each house

9. Conclusion

As a student it was a very rich experience. During the period of development of this project we had great experience of working as a team, we hear different opinions on how to solve a problem, we help out each other and overall, it was an exciting experience. Our logical power, database interaction power and dealing with the web development and mobile development improved drastically. Our guide **Nirali Borad Mam** is very supportive. If we had any doubt or query related to the project, she was always there to guide us any time anywhere. Our college took the time to time update regarding to our project, such an environment makes one more punctual.

10. References

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- www.youtube.com