

# **MINI PROJECT – I**

## **SYNOPSIS**

**on**

## **“PG LIFE WEBSITE”**



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## **ACKNOWLEDGEMENT**

It gives me a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. I owe special debt of gratitude to Dr. Manoj Varshney, Technical Trainer , for providing me with an encouraging platform to develop this project, which thus helped me in shaping my abilities towards a constructive goal and for his constant support and guidance to our work.

His sincerity, thoroughness and perseverance has been a constant source of inspiration for me. I believe that he will shower me with all his extensively experienced ideas and insightful comments at different stages of the project & also taught me about the latest industry-oriented technologies. I also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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## **ABSTRACT**

Website Design and learning HTML were the main objective of this Mini Project. To develop a website(PG Life) there are several programming languages that are in use. Some of them are only used for the frontend and backend design of the software. For example, HTML5, CSS, Bootstrap, JavaScript, SQL etc. There are also some other programming languages that are used to develop the dynamic functions of the software or application. For example- PHP, Java etc. Nowadays there are also some frameworks that use vastly. Frameworks are basically structured programming by using Model, View and Controller. It is also called as MVC. If we develop website that is very useful for us because we can access it from anywhere in the world. It is very helpful for our daily life. During my summer internship, I learned the implementation of the technologies and experienced the work flow in a web development department of a company. Since I have some experience with web development, That is why I choose subject of my report as “WEBSITE DESIGN”.

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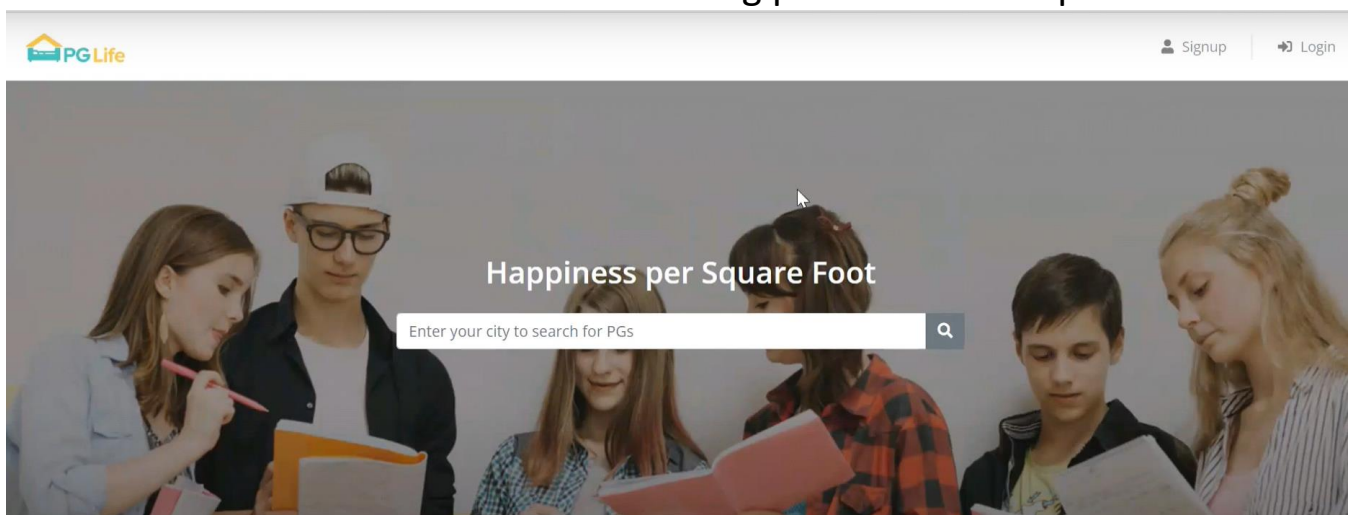
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# INTRODUCTION

The main objective of this project “PG Life Website” is to create a website for Booking PG Rooms online with your preferred city. It provides an alternate and convenient method for a student to Book PG’s with their preferences. The system is automatic in nature. Once the data is fed into the database, This project also offers the option of refund to the students.

The System allows the customers to book PG’s for their cities from anywhere.

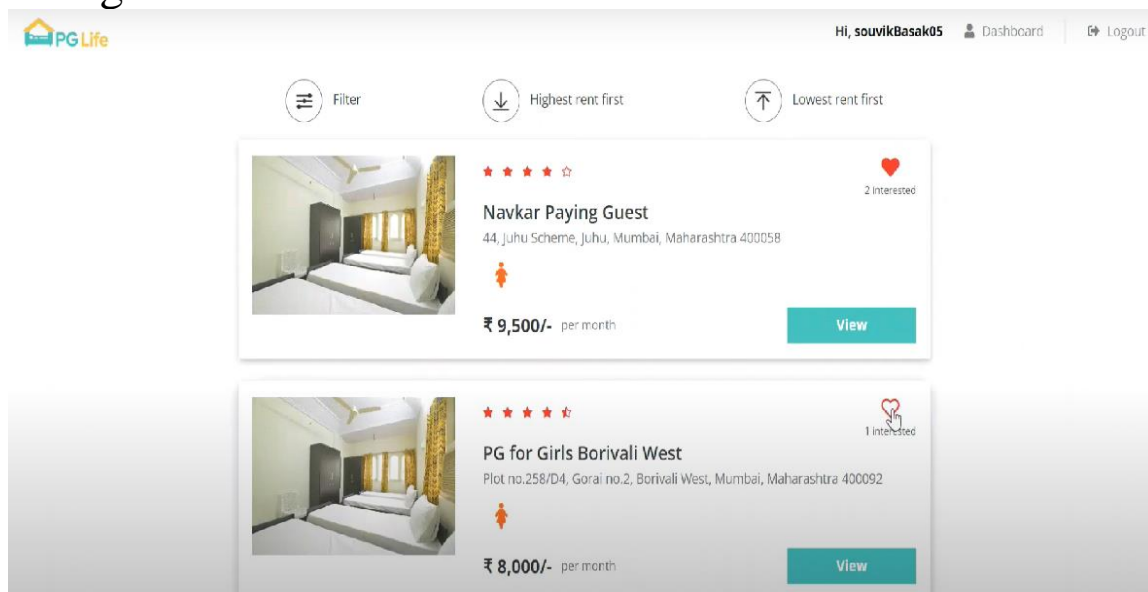
The statistical records about the booking process are also provided .



## THE OBJECTIVE OF THIS PROJECT

The main objective of this project's PG Life Website is to create and manage the Sign up, Login information which will be stored in our database, It manages all the information about the student(which college they are from), Dashboard ,Property Lists. The project is made with the help of both Front-end and Back-end languages and applications with react framework as cherry on the top.

The purpose of this project is to build an website to reduce the manual work of managing of booking of PG's ,Finding PG's by going to the preferred cities and it will reduce your time consumed in finding the PG on foot. It tracks all the details about the booking Students, Preferences , Interest. It also can reduce the efficiency of the employee and customer can easily get there preferred PG's details online without any problem facing.



## THE FUNCTIONALITY OF THE PROJECT

It is showing the Available PG's with Cities preferences for College Students, Original views of the room you wanted, and BookingStatus.

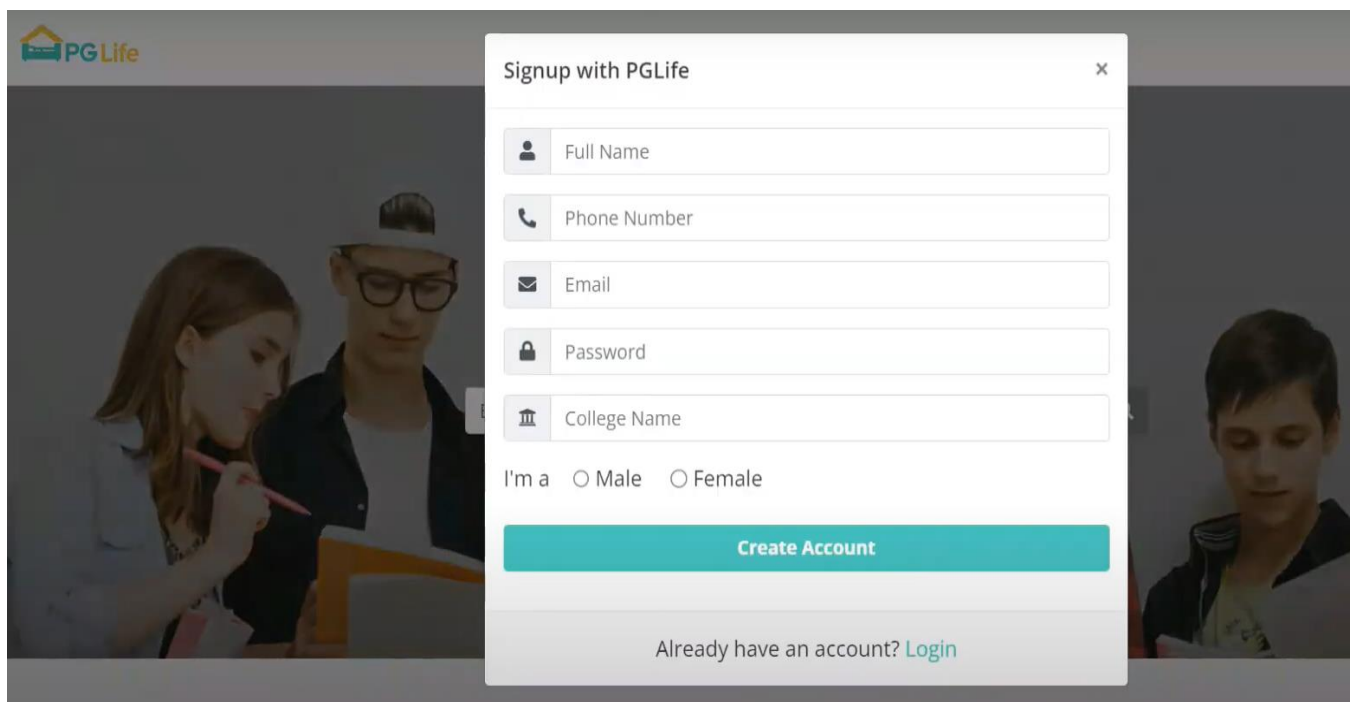
It tracks all the information about PG's and your data. Manages the Information about the Student.

Shows the information and description of the PG's with their ratings and pictures.

To increase the efficiency of managing PG's.

It also increases the profit of the PG's and it also reduces many problems faced by students.

A Student can choose their PG's according to their choices and they can share their reviews and the customer can easily book the PG's of his choice and it is easily refundable.



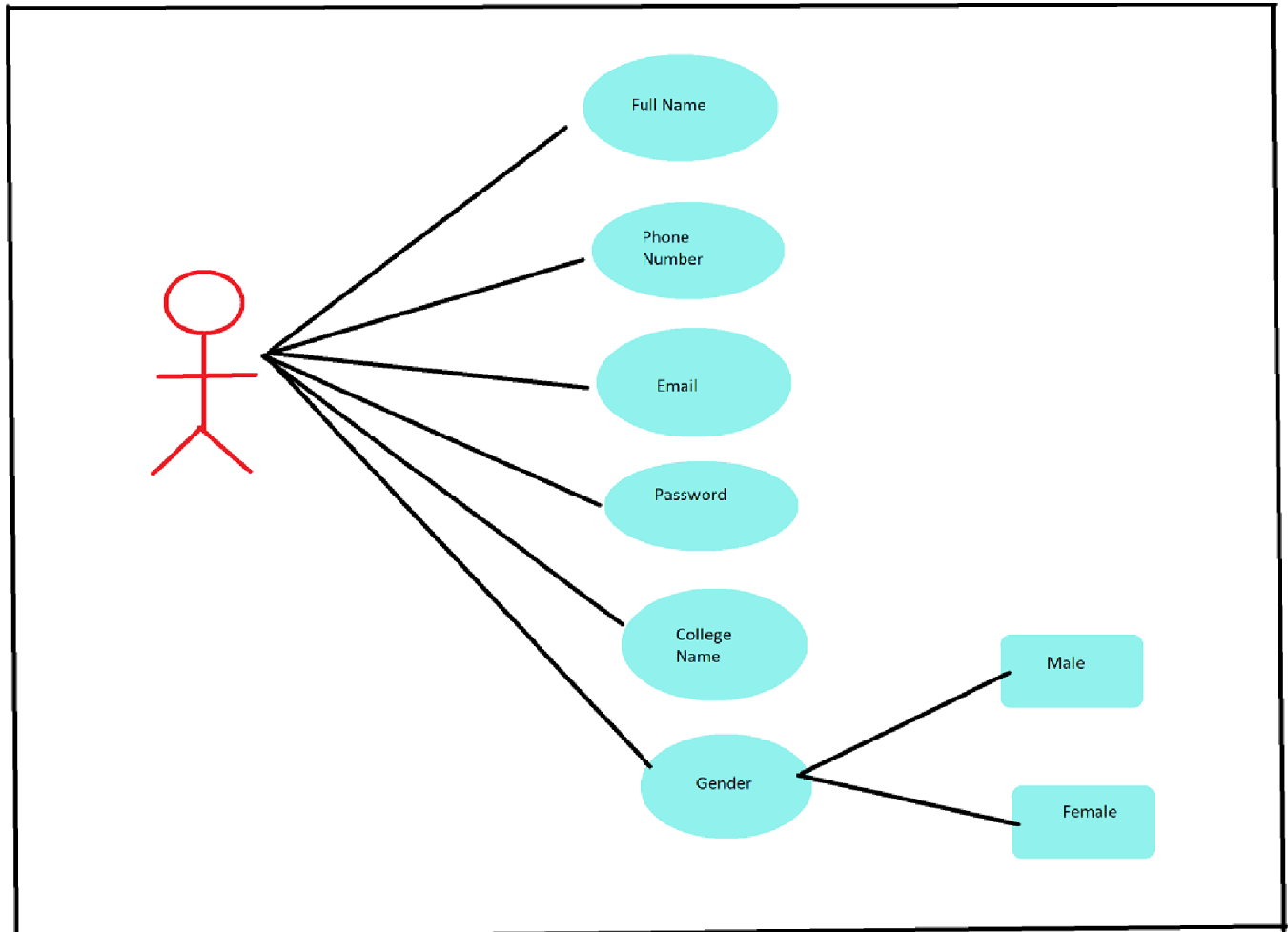
The screenshot displays the PGLife app interface. A modal window titled "Signup with PGLife" is centered on the screen, featuring a close button (X) in the top right corner. The form includes the following fields: "Full Name" (with a person icon), "Phone Number" (with a phone icon), "Email" (with an envelope icon), "Password" (with a lock icon), and "College Name" (with a building icon). Below these fields is a gender selection section labeled "I'm a" with radio buttons for "Male" and "Female". A teal "Create Account" button is positioned at the bottom of the form. Below the button, a link reads "Already have an account? [Login](#)". The background of the app shows a blurred image of three students (two girls and one boy) looking at a document together. The PGLife logo is visible in the top left corner of the app interface.

## **WORKING OF THE PROJECT**

1. If user has an id he/she can sign in or create an account on the website.
2. If the user has selected create account then he/she has to give their details Full Name, Phone Number, Email ,Password , College Name and Gender.
3. After the account creation there is an search bar where the user can find the PG's located in their preferred cities.
4. After choosing the city the website will redirect you to property list page ,where details of PG's will be available.
  1. Price of the PG can be seen
  2. Their will be a view button for viewing details about the PG.
  3. Interested Floating button available which will saved that PG in your dashboard (in your interested property section)
5. After clicking on the view button we can the details about the PG like Address of PG, ratings ,rent , Amenities & testimonials.
6. If you haven't login and try to use the search it will give you the results of your search but for viewing the PG you will be asked to Log-in.



# USE CASE DIAGRAM



*Use case for Student details when creating an Account*

## **WHY DO WE NEED**

### **PG LIFE WEBSITE**

Numerous students are constantly switching cities for better opportunities for college. The time of these precious students can be wasted and stress and tension by the long lines involved in the manual process of booking as well as finding certified and better PG's for good living condition. This is why many businesses are opting to invest in digital ways for customers to access their services.

An online PG booking system is a digital platform that allows students to access the services , reserve seats and book good PG's. This platform provides details such as where is the PG(address) , what seats are available, PG previews and so much more.

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## **SOFTWARE REQUIREMENTS**

- Vs Code
- IntelliJ Idea
- Xaamp for server
- Extensions

## **HARDWARE REQUIREMENTS**

- Internet connectivity:1mb/s Net Connection
- Storage: 4GB RAM
- Window 7,10,11
- Processor: i3 processor-based or further
- Device used: Laptop

## **IMPLEMENTATION AND PLATFORM USED:**

**HTML:** The Hypertext Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

**CSS:** Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML.

**JavaScript:** JavaScript is a text-based programming language used both on the client-side and server-side that **allows you to make web pages interactive**. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

**React :** The React. js framework is an open-source JavaScript framework and library developed by Facebook. It's used for **building interactive user interfaces and web applications quickly and efficiently with significantly less code than you would with vanilla JavaScript**.

**PHP:** PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993. The PHP reference implementation is now produced by The PHP Group.

**DBMS :** Database management system. Connolly and Begg define database management system (DBMS) as a "**software system that enables users to define, create, maintain and control access to the database**". Examples of DBMS's include MySQL, PostgreSQL, Microsoft SQL Server, Oracle Database, and Microsoft Access.

**VScode Editor:** Visual Studio Code is a code editor. Like many other code editors, VS Code adopts a common user interface and layout of an explorer on the left, showing all of the files and folders you have access to, and an editor on the right, showing the content of the files you have opened.

VS Code comes with a simple and intuitive layout that maximizes the space provided for the editor while leaving ample room to browse and access the full context of your folder or project. The UI is divided into five areas:

- **Editor** - The main area to edit your files. You can open as many editors as you like side by side vertically and horizontally.

## **REFERENCES**

### **Books:**

- HTML and CSS: Design and Build Websites, 1st Edition by Jon Duckett
- JavaScript and jQuery: Interactive Front-End Web Development, 1st Edition by Jon Duckett
- Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5 by Robin Nixon

### **Websites:**

- [www.google.com](http://www.google.com)
- <https://projectworlds.in>
- <https://www.w3schools.com/whatis/default.asp>
- [ηττπσ://ωωω.γρεκσφοργρεκσ.οργ/ρεαχτφσ-τυτοριαλσ/?ρεφ=λβπ](http://www.γρεκσφοργρεκσ.οργ/ρεαχτφσ-τυτοριαλσ/?ρεφ=λβπ)

### **Faculty Guidelines:**

Dr. Manoj Varshney (Asst. Professor in GLA University)

### **GitHub Repository link:**

<https://github.com/HarshDroid296/PG-Life-Website>

*The End*







