

PG LIFE

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report “**PG LIFE**” is the bonafide work of “Gursewak Singh” who carried out the project work under my/our supervision.

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Submitted for the project viva-voce examination held in November 2022.

INTERNAL EXAMINER

EXTERNAL EXAMINER

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TABLE OF CONTENTS

Topic	Page No.
List of Figures	5
Abstract	6
 Chapter 1: Introduction	 7-8
1.1 About the project	7
1.2 Software and Hardware tools required	8
 Chapter 2: Training and work undertaken	 9-14
2.1 HTML	9
2.2 CSS	12
2.3 JavaScript	12
2.4 SQL	12
2.5 PHP	13
2.6 Bootstrap 5	13
2.7 React	13
 Chapter 3: Data flow/ Process	 15-16
3.1 Data flow diagram	15
3.2 Gantt Chart	16
3.3 Designs and Diagrams	16
 Chapter 4: Result analysis and validation	 17-24
4.1 Website's Screenshots	18
 Chapter 5: Conclusion and future work	 25-26
5.1 Conclusion	25
References	25
Certificate	26

LIST OF FIGURES

Topic

Chapter 1

1.1 Technologies

Chapter 2

2.1 PHP

2.2 MySQL datatypes

Chapter 3

3.1 Level 0 DFD diagram

3.2 Web development

Chapter 4

4.1 Test plan

Chapter 5

5.1 Certificate

ABSTRACT

Our aim is to design and create a website that will help students to find Pgs. We create a data management system for an organization that helps students in need to get in touch with landlords who are willing to help. Our system is available for both students and the people who move to a new city. If a person is willing to keep his room on rent, he can register himself and fill the Form and get the nearest room. His data will be then stored in our database and when a person in need of a pg of the same kind for which he is searching for contacts us, we connect him either to our organization or that particular landlord himself. For a person in need of pg, the procedure is quite simple. He needs to register himself and fill the Form. One's data is entered in our database and we will provide him with all available options of pg. We aim at making it easier for people to find the right pg in the right time so they don't panic. Also get all the details like food, electricity, parking, water, medicine and laundry.

CHAPTER 1

INTRODUCTION

1.1 About the project

This project is designed so as to facilitate the process of finding PG's. It is a system through which a person can register himself to get the proper room without much hustle. All one needs to do is check out our website, register there, and then fill forms. Based on their choice they will be redirected to the corresponding person.

Benefits of PG LIFE System:

- This online PG system is fully flexible and functional.
- It is very easy to use.
- Student friendly pg.
- No worries of cooking in pg.
- It saves a lot of time which is precious for someone fighting for life
- The portal acts as an office that is open 24/7.

It increases the efficiency of the management at offering quality services to the people. The boundaries of various major cities are rapidly melting away, promising connectivity, Convenience and development which has enabled smoother movement of people from one place to another. People living in smaller or far-fetched towns can now study and work, while staying in a paying guest accommodation. In recent years, PG accommodation has become widely popular among students, professionals, and aspiring entrepreneurs, irrespective of city or town, for its practicality, affordability, and ease.

For students and professionals moving from one city to another for various reasons, PG becomes a rational and ideal choice. There many advantages of staying in a paying guest accommodation, which is the reason this trend is becoming increasingly popular today. It comes with little baggage attached and reasonable charges. There will be Proper well educated people nearby so there would be no problem for girls. It helps students to see ratings and the locality they will live in.

Landlords have not to waste their time searching for students. PG accommodations often have the provision of single, double sharing and triple sharing room option, which helps in selecting the most viable room as per the guest's requirement and budget. Where single rooms offer more privacy, attached bathroom and

space, the other two options help in saving the money on rent. Many professionals working in the field of IT, banking, real estate, hospitality, call center and others, often prefer to stay in PG accommodation. Not only are they economical but professional friendly too. These working professionals need not worry about arranging the food, bed, and other bits and pieces of daily routine and can lodge easily without a care. Timely services, convenient entry and exit, dining facilities with other basic amenities makes this lodging option more affordable.

1.2 Software and Hardware tools required

2. XAMPP
3. WEB BROWSERS
4. MYSQL
5. ANY COMPUTER Having 4 GB Ram
6. Any PHONE Above android 7



1.1 technologies

CHAPTER 2

TRAINING WORK UNDERTAKEN

2.1 HTML

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

HTML PAGE STRUCTURE

```
<!DOCTYPE html>
<!-- Add your comments here
-->
<html>
<head>
<title> </title>
</head>
<body>
</body>
</html>
```

TAGS AND ELEMENTS

HTML TAGS :

HTML tags are the hidden keyword within a web page that define how the browser must format and display the contents. Most of these tags have 2 parts, opening tag and closing tag.

<p> : Opening Tag

</p> : Closing Tag

Opening Tag and Closing Tag together are called as a Container. <html>

Tags are used to inform the browser how to format or display the text, except forth declaration of document type and comment. Comments can be included with html tags also. <body>

It contains all the visible contents of the page. It may include texts, links and tables, or videos. <div>
It is used to create different sections in a web page.

TEXT FORMATTING

There are six different heading tags.

<h1> I am Heading </h1>

<h2>I am Heading</h2>

Number defines the size of the text.

<i> : Tag to make text look italic.

 : Tag to make text look bold.

: Tag to make text look italic.

These tags help the browser know about the special importance of text , not just styling.It also helps in SEO purposes .

<u> : Tag element is used to underline text.

<mark> : Tag element is used to highlight text.

HYPERLINKS

Any content , image or text can be linked to a new page. The text linked is called anchor text. Link is created using html

<a>click herelink. href="hypertext reference" click here

target="_blank" This will open in another tab.

target="_self" This will open in the same tab.

CASCADING STYLE SHEETS (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. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. There are three ways of Styling :

- 1) Inline
- 2) Internal
- 3) External

BOX MODEL

- Each and every element can be considered as a box.
- Innermost box called content contains content which could be image , text.
- Padding clears the area around the content. It is always transparent .
- Padding is surrounded by a border whose color can be chosen.
- Margin clears the area outside the border. Default margin is 0.Margin is also transparently applied.

FONTS

Properties :

- 1) Font Style
- 2) Font Variant
- 3) Font weight
- 4) Font Size
- 5) Line height
- 6) Font family Font size and Font family are mandatory.

For Ex : h4 { font: italic small-caps bolder 28px arial, sans-serif ; }

Comma is used in font family if there is unavailability of any font. 2.1.9 NAVIGATION BAR

Navigation Bar and logo are together often referred to as a header. Navigationbarlinks different sections within a page. Navigation links are added using the <nav> tag. Using the tag inside the<nav> tag we can create a navigation bar. To create logo in navigation bar ;

```
<div id="header">
```

```
<a href="#" class="logo">
```

```

```

FORMS

It collects information stored in databases or sent to the server. Using the <form>element to create form. <form>

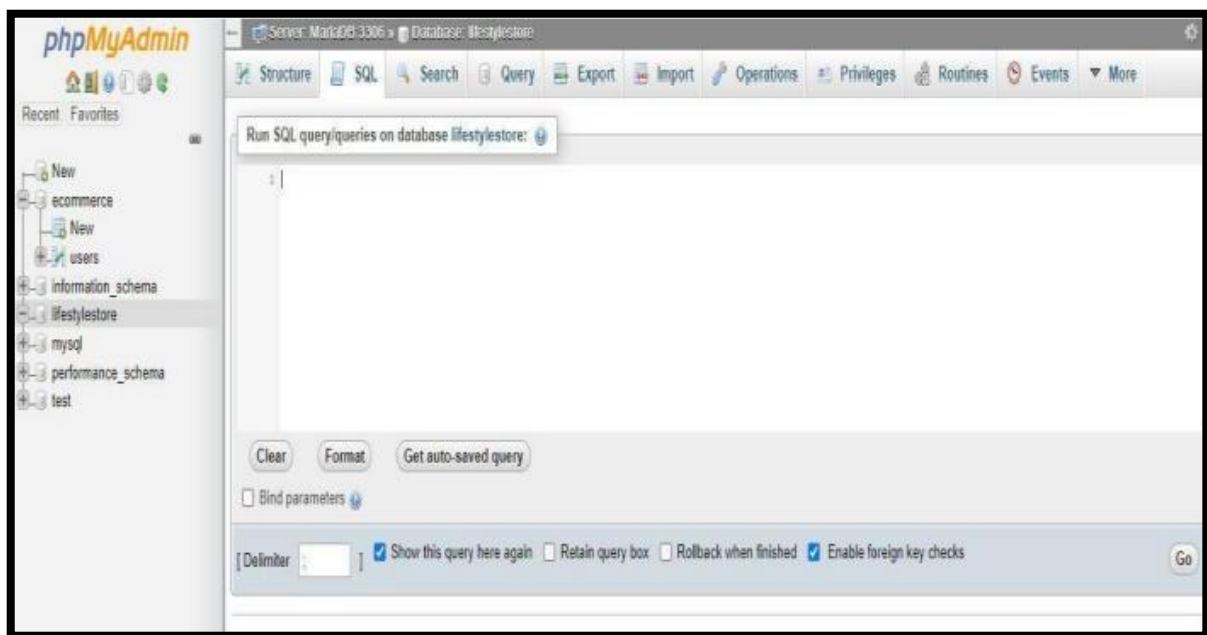
```
<input type="text" placeholder ="Enter first Name" name="First name"><br><br><input type="submit">
```

2.2 JavaScript

- JavaScript was initially created to “make web pages alive”.
- The programs in this language are called scripts. They can be written right in a web page’s HTML and run automatically as the page loads.
- Scripts are provided and executed as plain text. They don’t need special preparation or compilation to run.
- In this aspect, JavaScript is very different from another language called Java.

2.3 PHP

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open-source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use



2.1 PHP

2.4 SQL

- SQL stands for Structured Query Language
- SQL lets you access and manipulate databases
- SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.

MySQL DATA TYPES

DATE TYPE	SPEC	DATA TYPE	SPEC
CHAR	String (0 - 255)	INT	Integer (-2147483648 to 2147483647)
VARCHAR	String (0 - 255)	BIGINT	Integer (-9223372036854775808 to 9223372036854775807)
TINYTEXT	String (0 - 255)	FLOAT	Decimal (precise to 23 digits)
TEXT	String (0 - 65535)	DOUBLE	Decimal (24 to 53 digits)
BLOB	String (0 - 65535)	DECIMAL	"DOUBLE" stored as string
MEDIUMTEXT	String (0 - 16777215)	DATE	YYYY-MM-DD
MEDIUMBLOB	String (0 - 16777215)	DATETIME	YYYY-MM-DD HH:MM:SS
LONGTEXT	String (0 - 4294967295)	TIMESTAMP	YYYYMMDDHHMMSS
LOBLOB	String (0 - 4294967295)	TIME	HH:MM:SS
TINYINT	Integer (-128 to 127)	ENUM	One of preset options
SMALLINT	Integer (-32768 to 32767)	SET	Selection of preset options
MEDIUMINT	Integer (-8388608 to 8388607)	BOOLEAN	TINYINT(1)

2.2 MySQL datatypes

2.5 CSS

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files.

2.6 BOOTSTRAP

- Bootstrap 5 is the newest version of Bootstrap; with new components, faster stylesheet and more responsiveness.
- Bootstrap 5 supports the latest, stable releases of all major browsers and platforms. However, Internet Explorer 11 and down is not supported.
- The main differences between Bootstrap 5 and Bootstrap 3 & 4, is that Bootstrap 5 has switched to JavaScript instead of jQuery.

2.7 REACT

- React makes it painless to create interactive UIs. Design simple views for each state in your application, and react will efficiently update and render just the right components when your data changes.
- Declarative views make your code more predictable and easier to debug.
- Component-Based

- Build encapsulated components that manage their own state, then compose them to make complex UIs.
- Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.
- Learn Once, Write Anywhere
- We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.
- React can also render on the server using Node and power mobile apps using React Native.

CHAPTER 3

DESIGN FLOW/ PROCESS

3.1 DATA FLOW DIAGRAM:

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually “say” things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That’s why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.

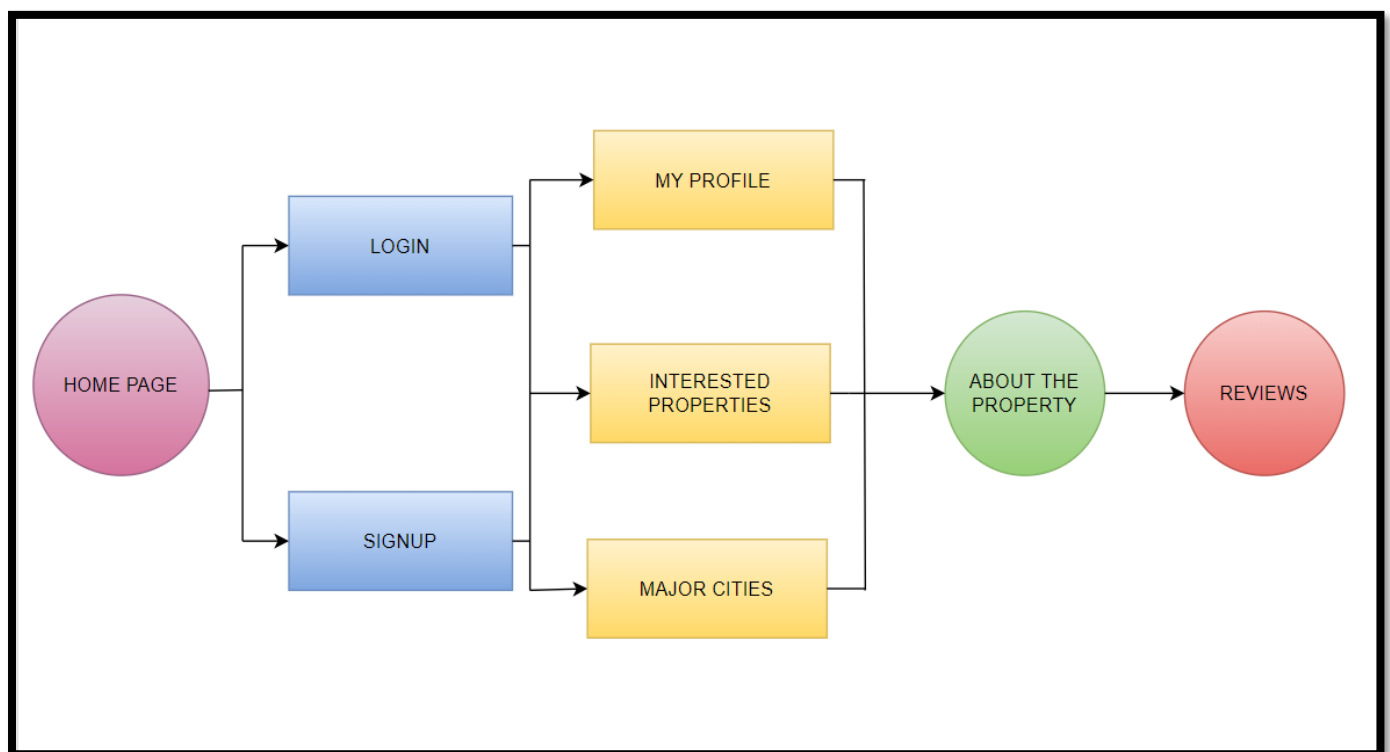


Fig. 3.1 (Level 1 DFD diagram)

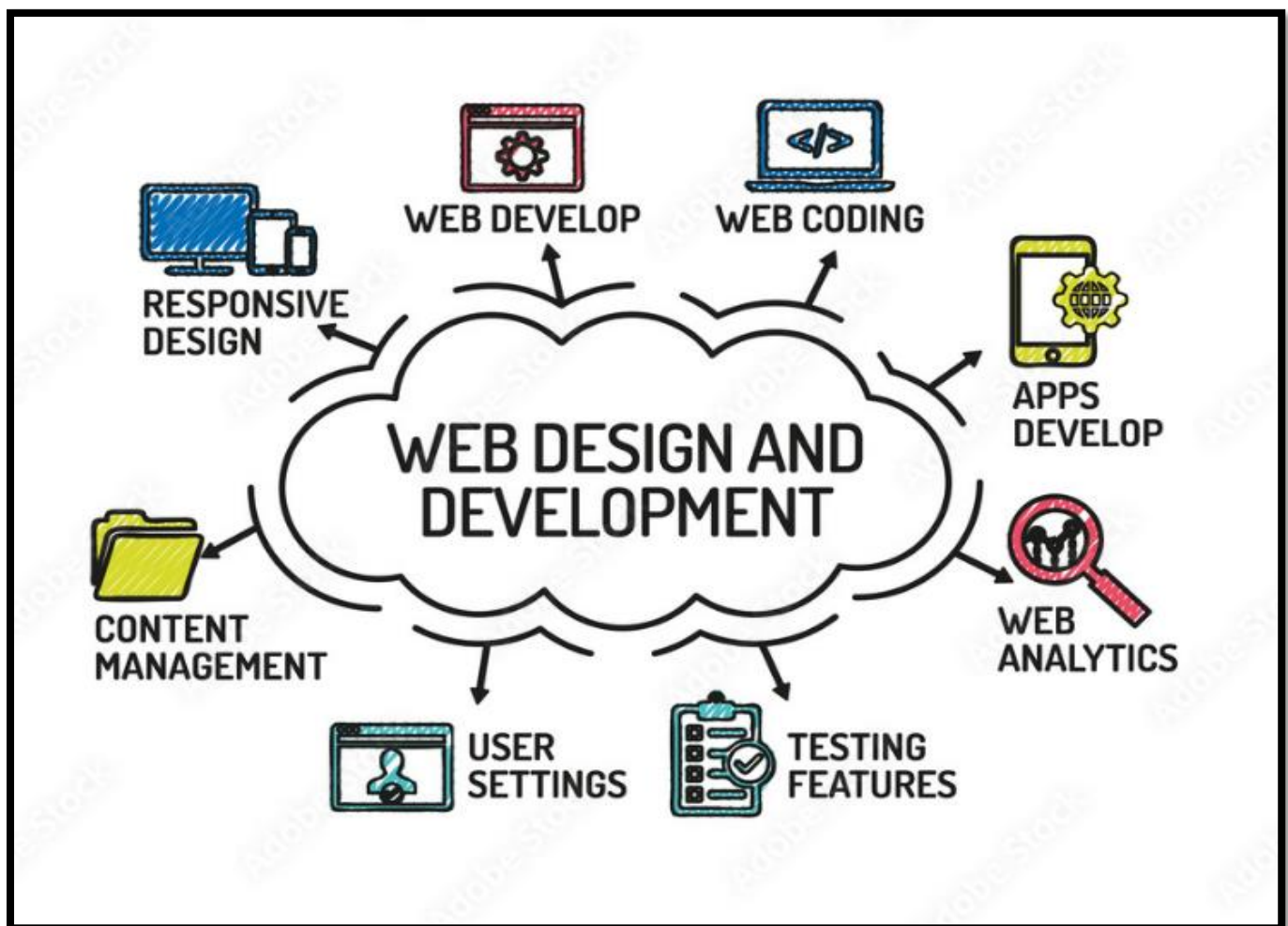
3.2 Gantt Chart

A Gantt chart is a project management tool assisting in the planning and scheduling of projects of all sizes, although they are particularly useful for simplifying complex projects. Project management timelines and tasks are converted into a horizontal bar chart, showing start and end dates, as well as dependencies, scheduling and deadlines, including how much of the task is completed per stage and who is the task owner. This is useful to keep tasks on track when there is a large team and multiple stakeholders when the scope changes.

As it's in a bar chart format it is possible to check on progress with a quick glance. You can easily see:

1. a visual display of the whole project,
2. timelines and deadlines of all tasks,
3. relationships and dependencies between the various activities,
4. project phases

3.3 Designs and Diagrams

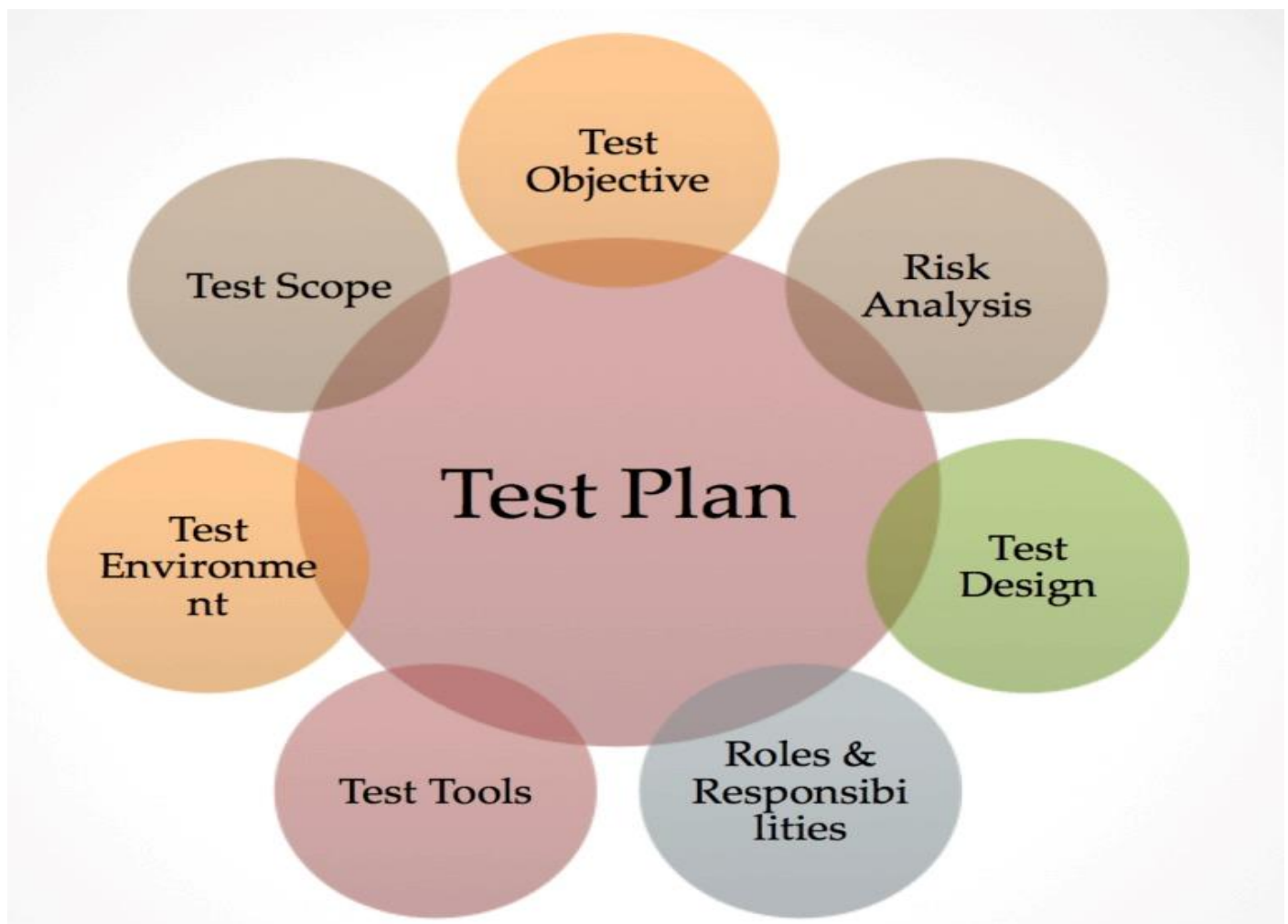


3.2 web development

Chapter 4

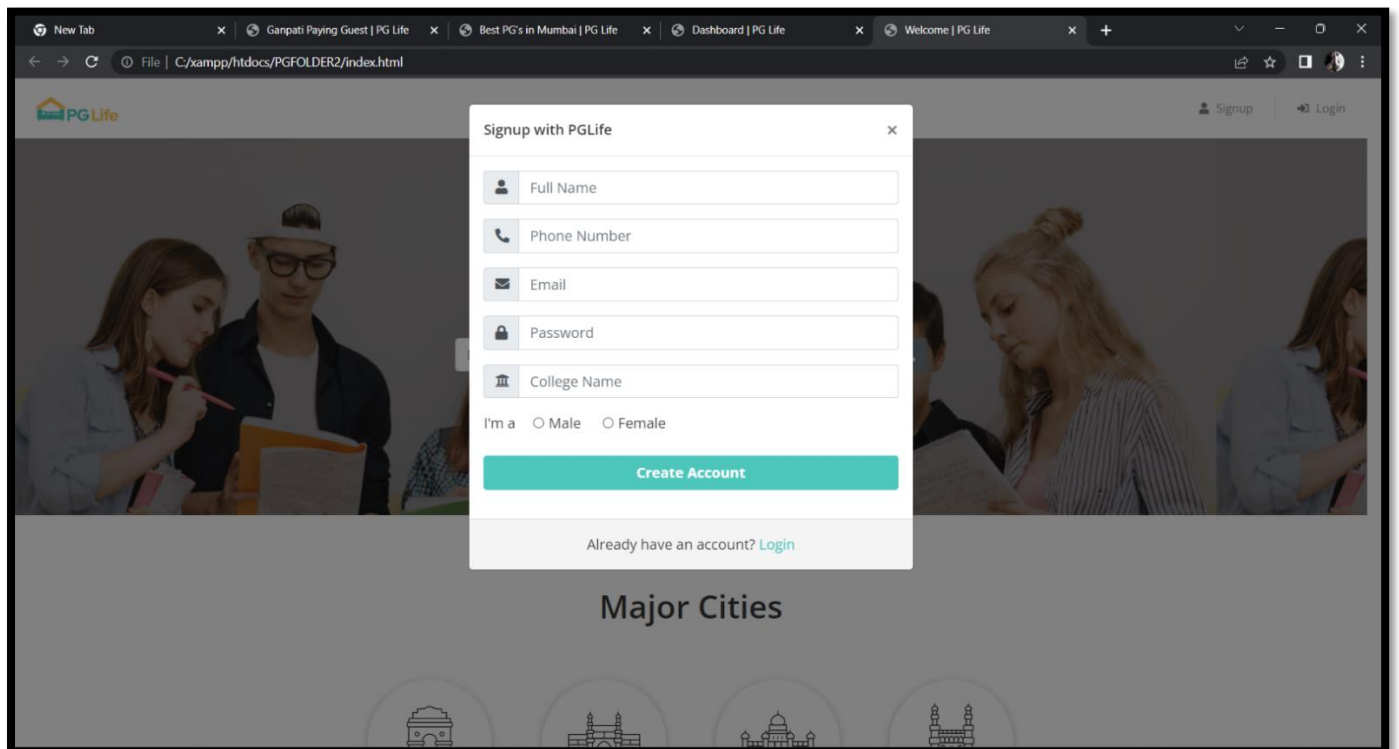
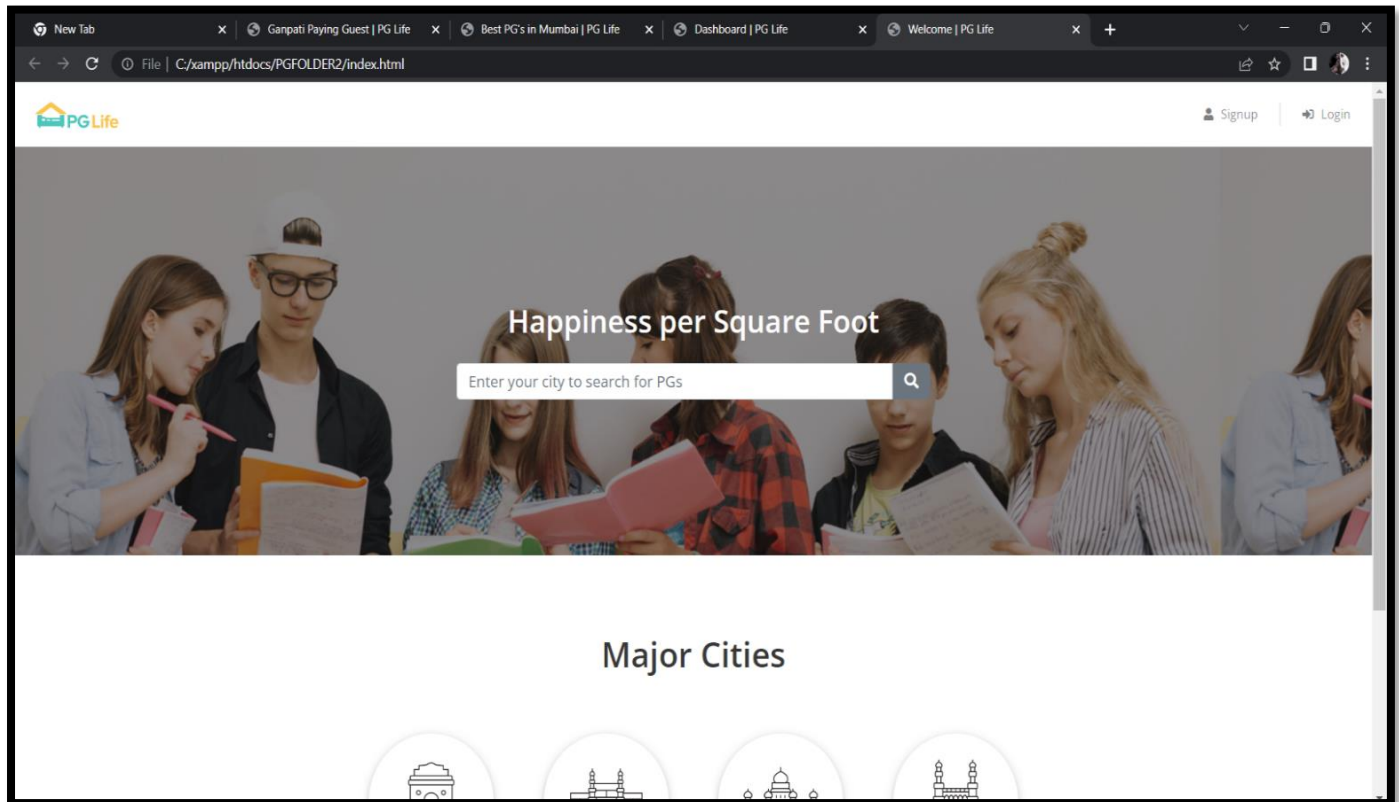
Results analysis and validation

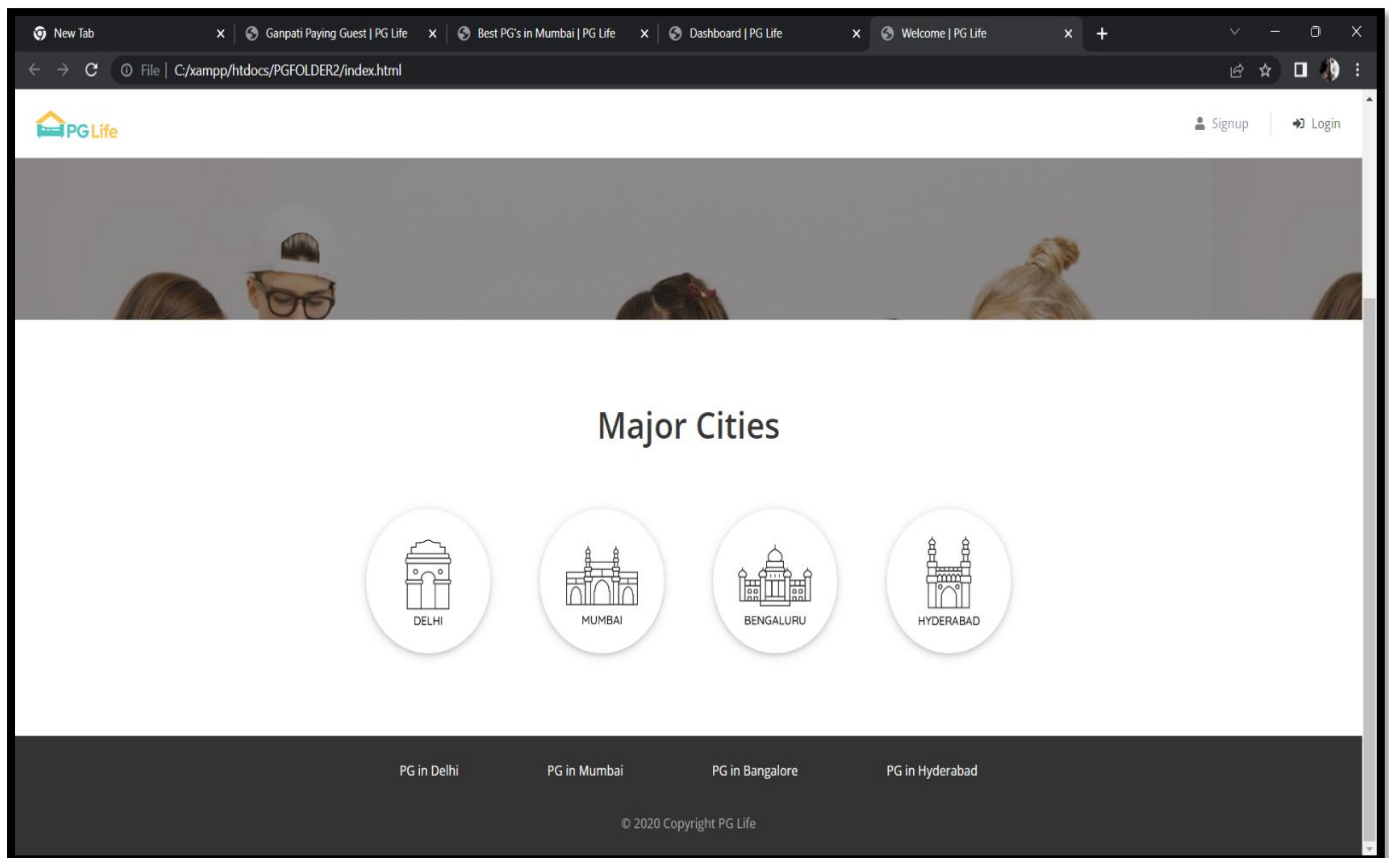
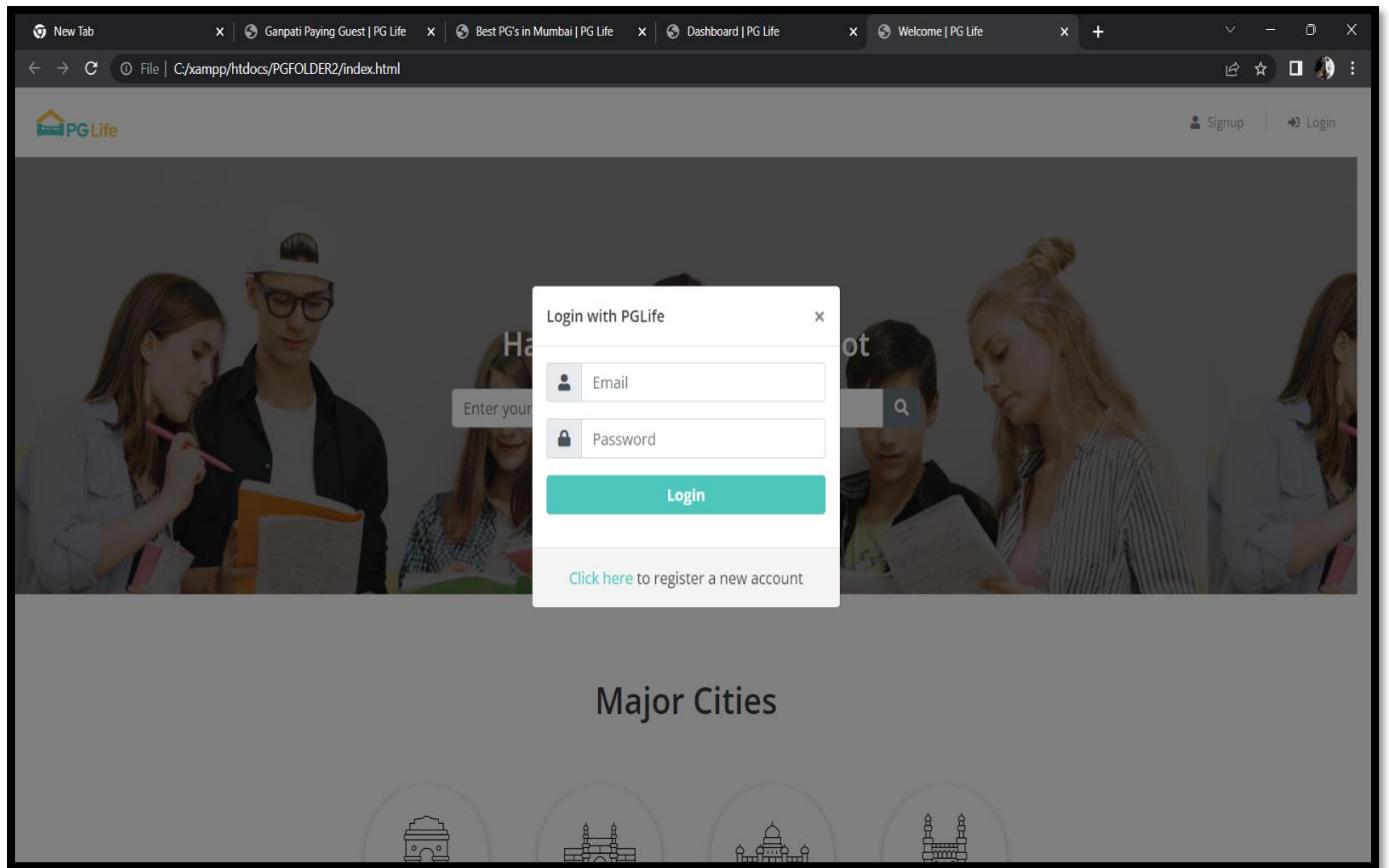
This website provides a web site that is a place for paid guests to benefit students or a company employee and parents. It makes the whole process online where the student and parents can search the room online with just a few clicks. It also has an administrator login area where the administrator can enter and view the status of the flats and room out and change the status quo there or make some suggestions. It has a resource form where anyone can search his or her place of residence and the suggestions page is where necessary a portal proposal can be made as well as an amazing collection of images to compile the compass framework. Overall this website will help students and parents and will make living space management much easier. Thus, we have integrated many features into one website. We have designed our website for “Payment Guest Accommodation” for online use. In the future, we will try to create such an application that can be used across the platform. Google Maps for PGs can be made available in all cities and payment services can be added.

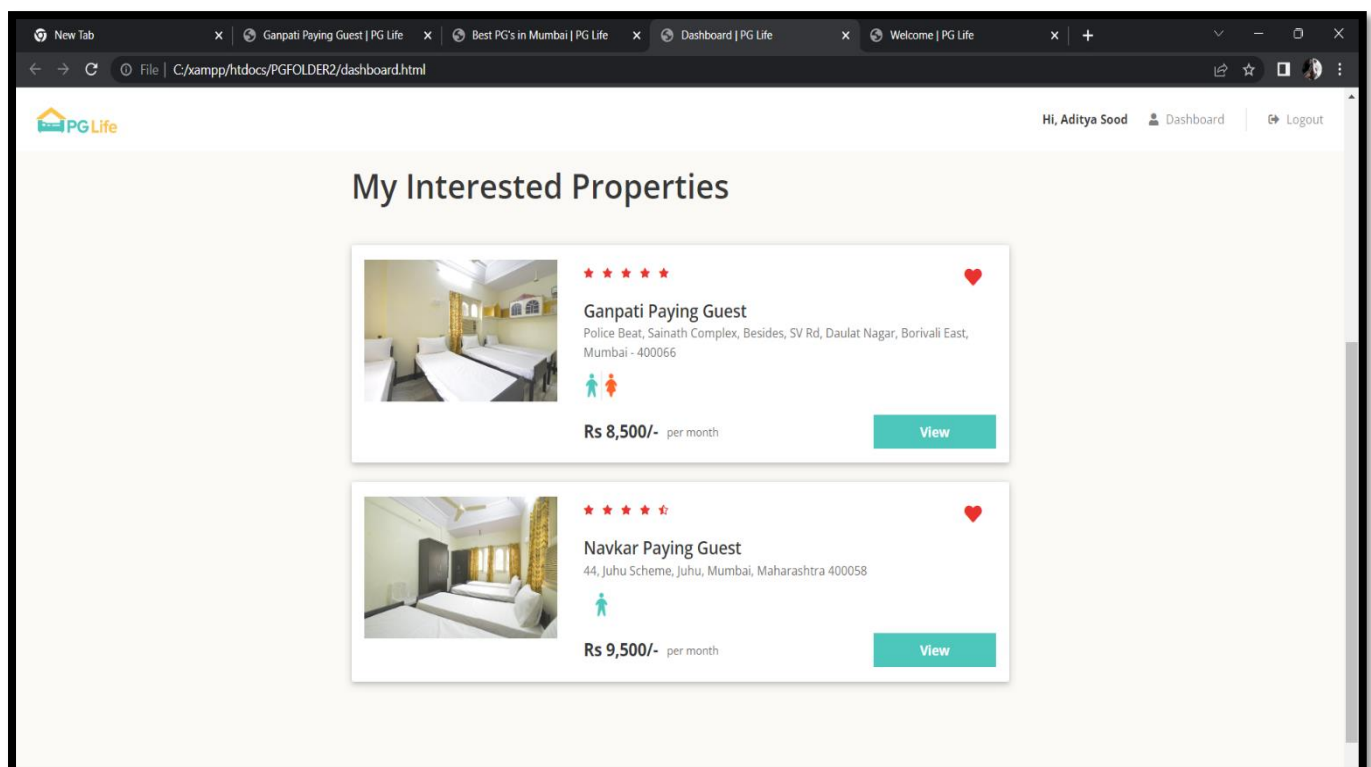
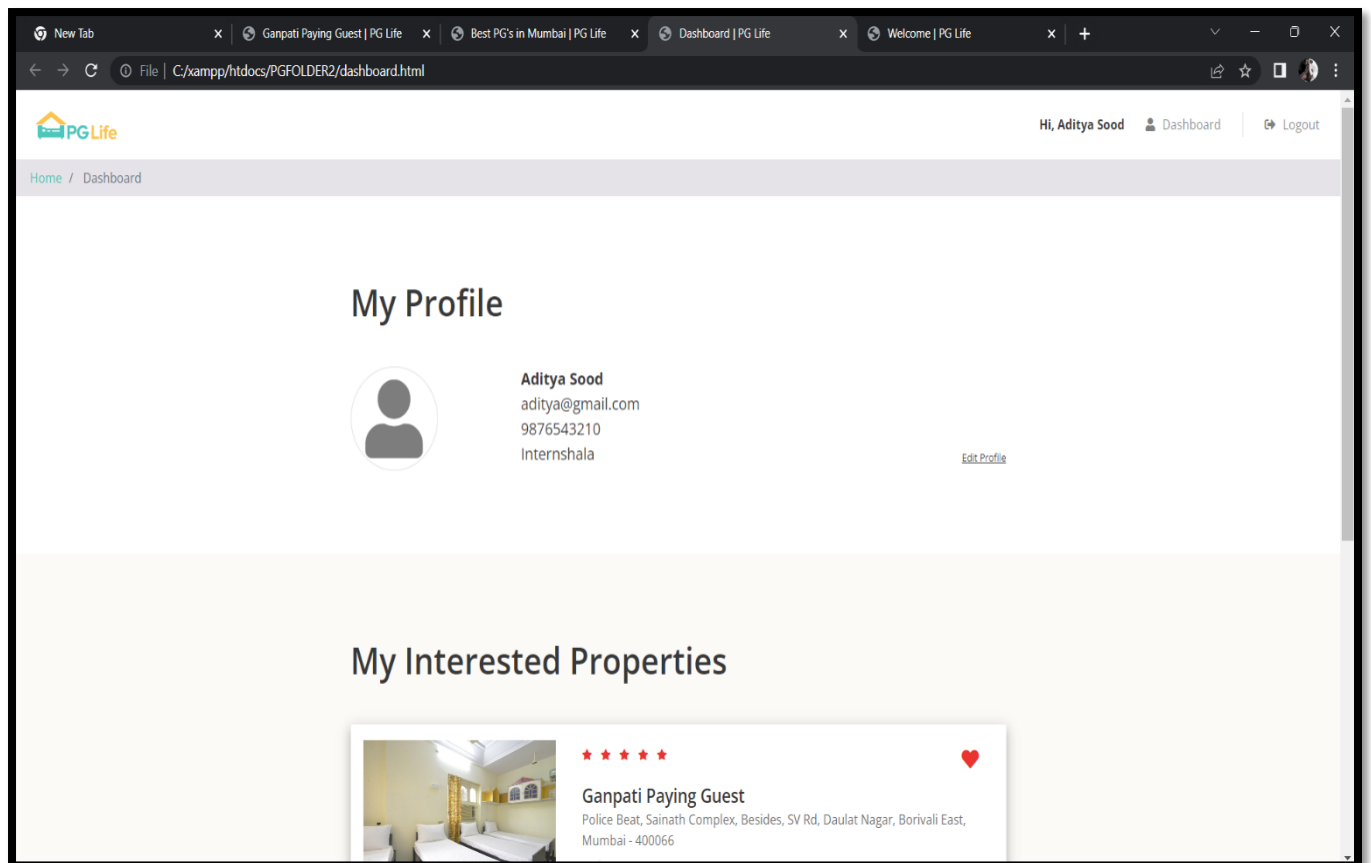


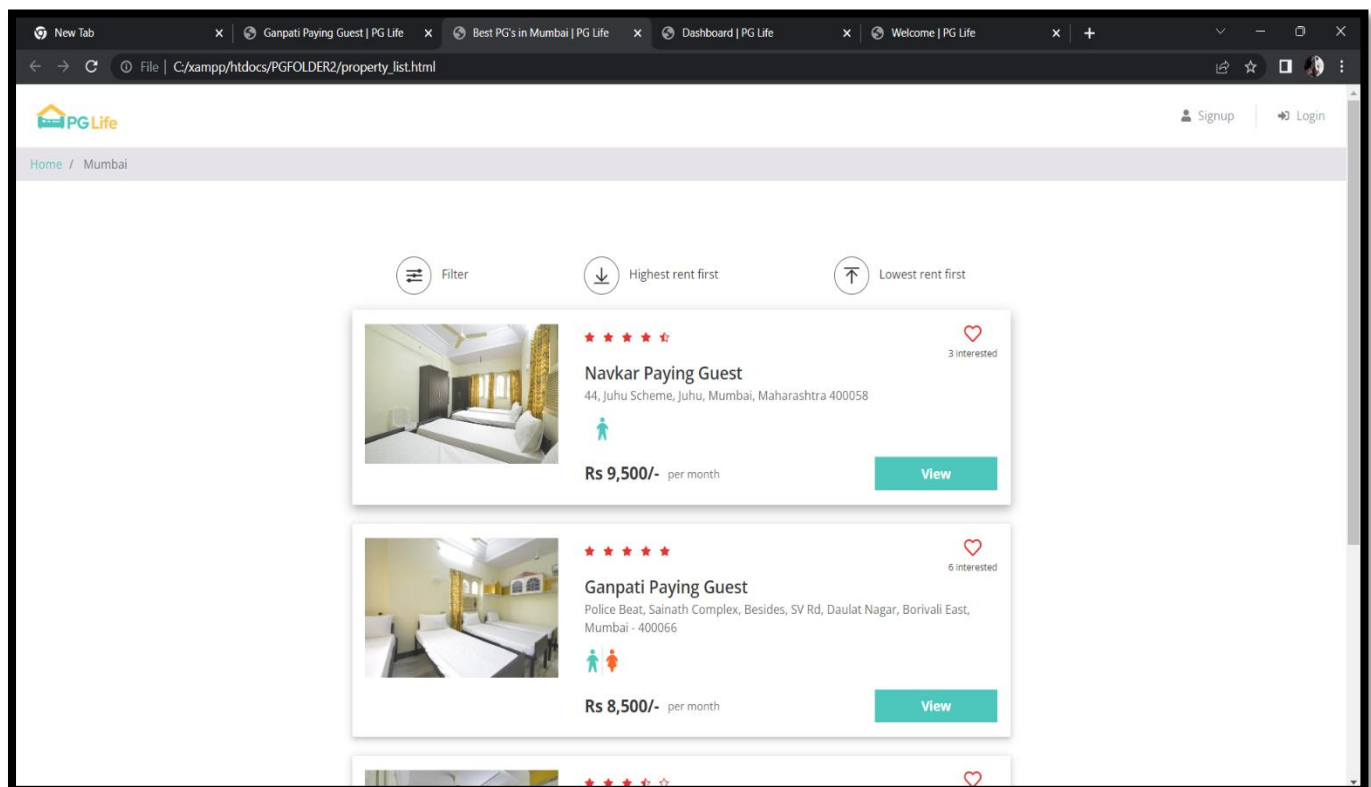
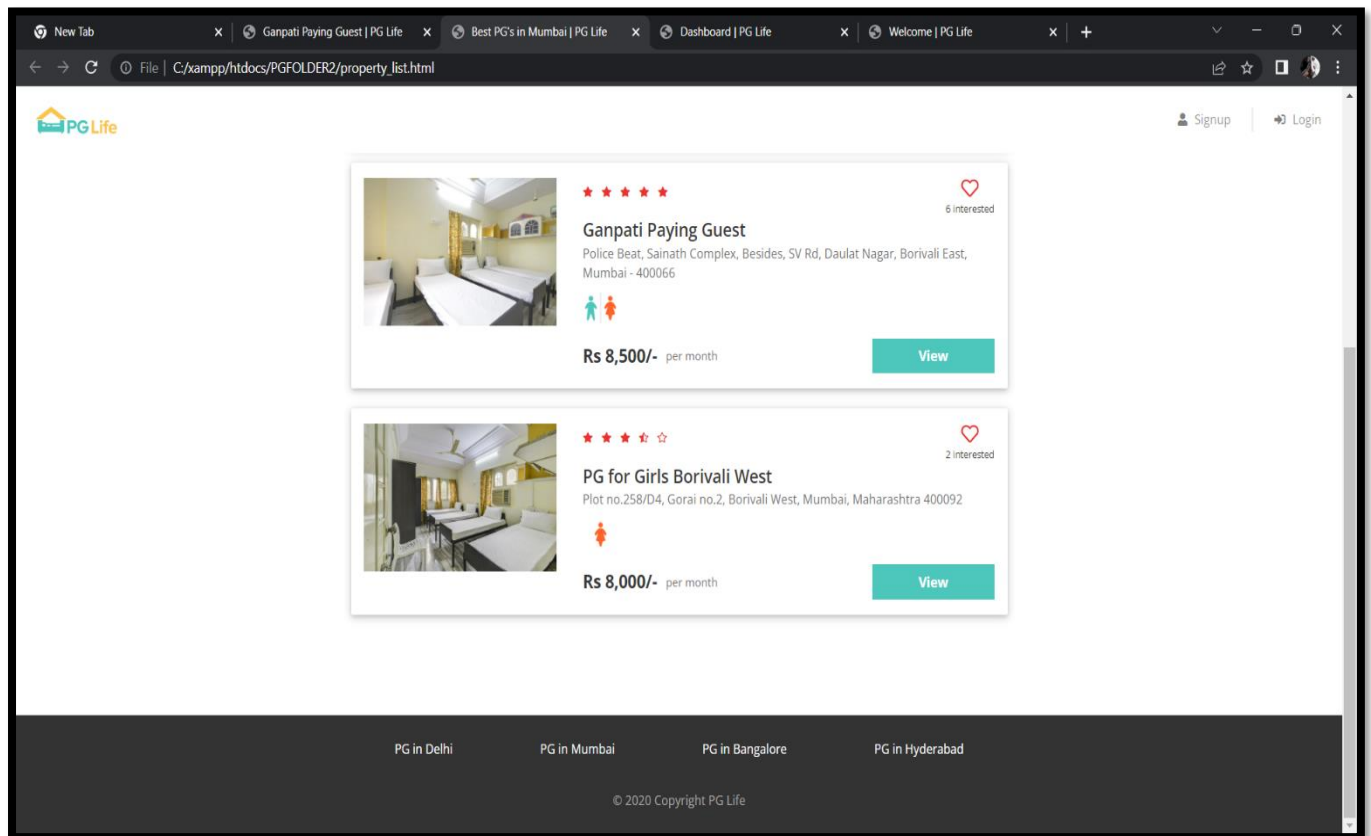
4.1 Test plan

4.1 Website's Screenshots










New Tab
Ganpati Paying Guest | PG Life
Best PG's in Mumbai | PG Life
Dashboard | PG Life
Welcome | PG Life

File | C:/xampp/htdocs/PGFOLDER2/property_detail.html

PG Life
Signup
Login



Home / Mumbai / Ganpati Paying Guest



★★★★★
6 Interested

Ganpati Paying Guest

Police Beat, Sainath Complex, Besides, SV Rd, Daulat Nagar, Borivali East, Mumbai - 400066

Rs 8,500/- per month

[Book Now](#)

New Tab
Ganpati Paying Guest | PG Life
Best PG's in Mumbai | PG Life
Dashboard | PG Life
Welcome | PG Life


File | C:/xampp/htdocs/PGFOLDER2/property_detail.html


PG Life
Signup
Login

About the Property

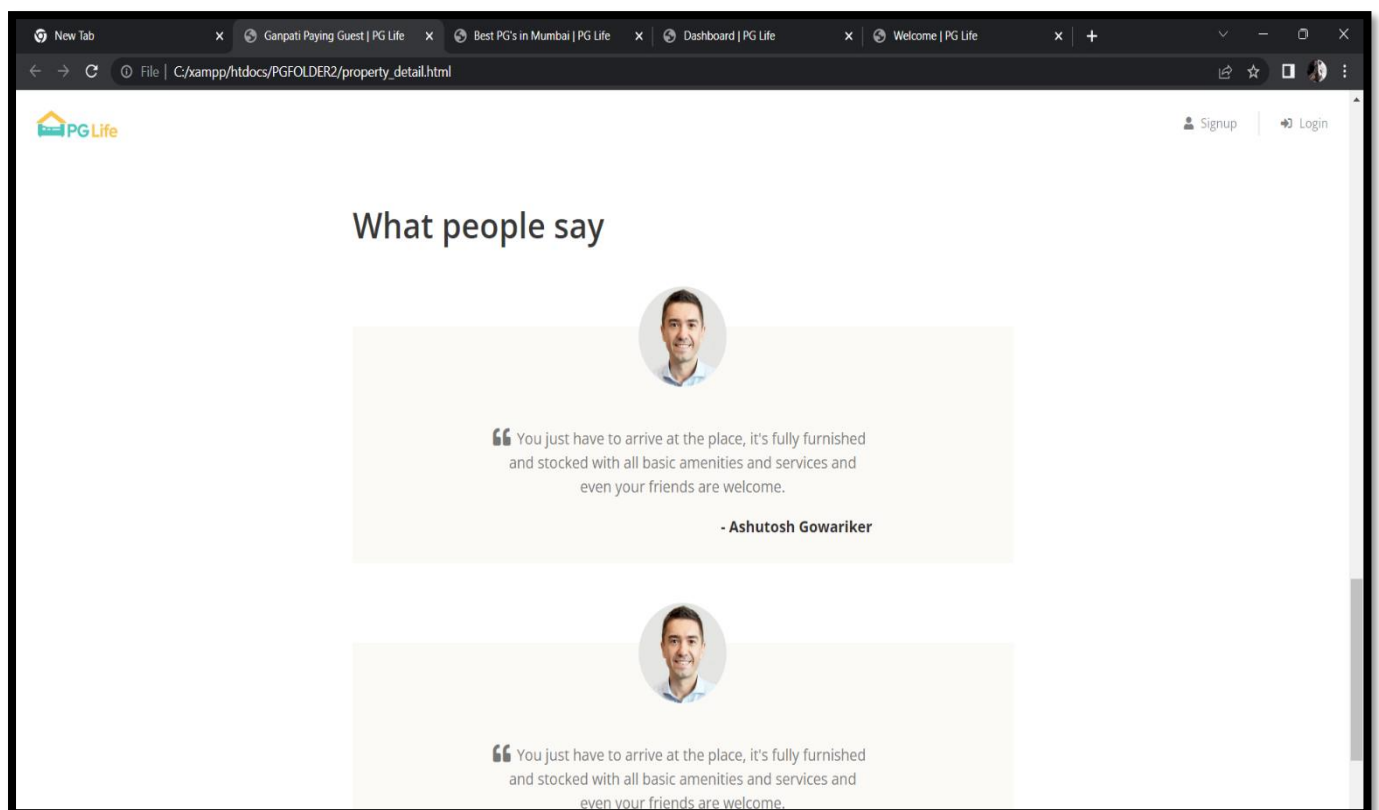
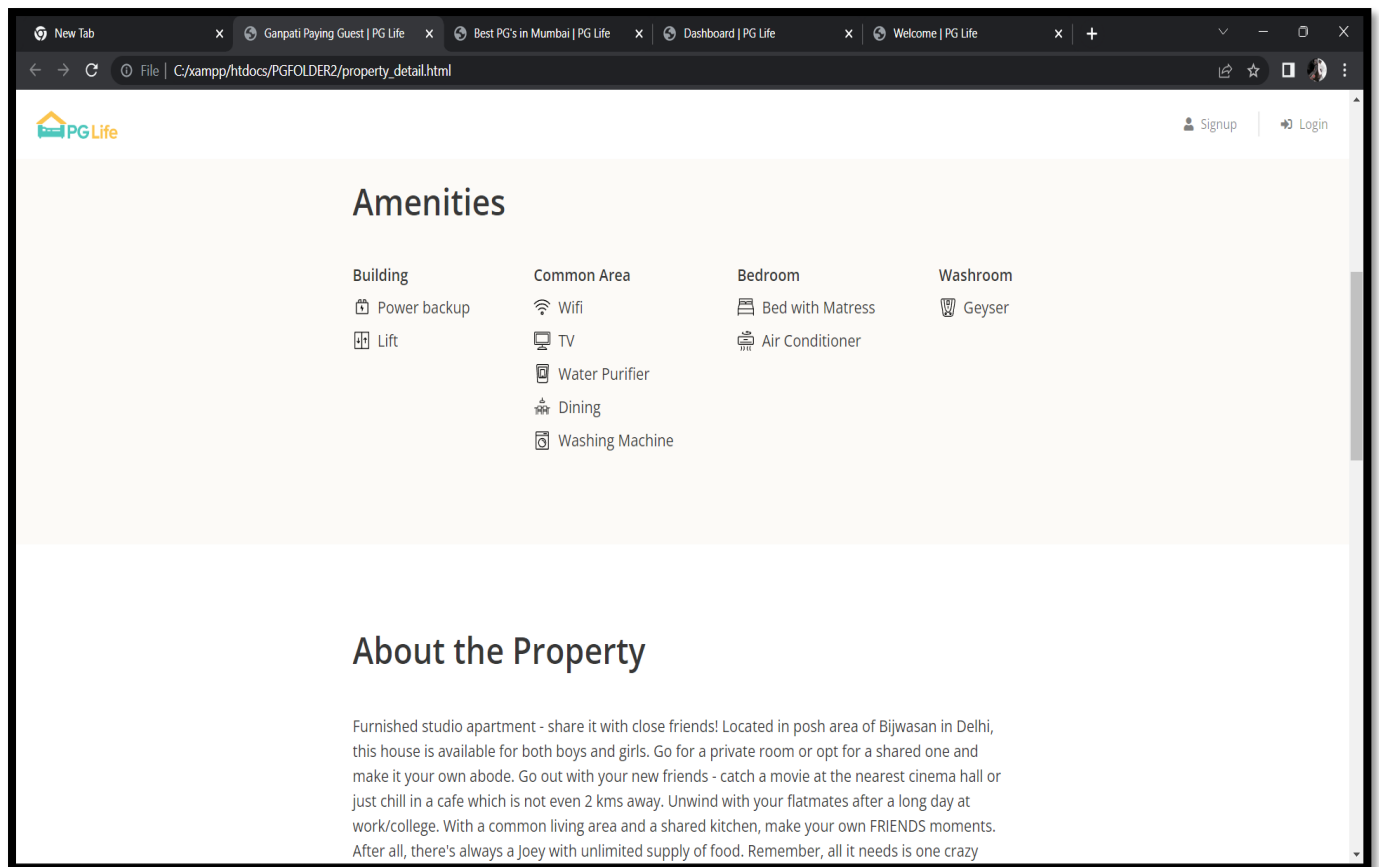
Furnished studio apartment - share it with close friends! Located in posh area of Bijwasan in Delhi, this house is available for both boys and girls. Go for a private room or opt for a shared one and make it your own abode. Go out with your new friends - catch a movie at the nearest cinema hall or just chill in a cafe which is not even 2 kms away. Unwind with your flatmates after a long day at work/college. With a common living area and a shared kitchen, make your own FRIENDS moments. After all, there's always a joey with unlimited supply of food. Remember, all it needs is one crazy story to convert a roomie into a BFF. What's nearby/Your New Neighborhood 4.0 Kms from Dwarka Sector- 21 Metro Station.

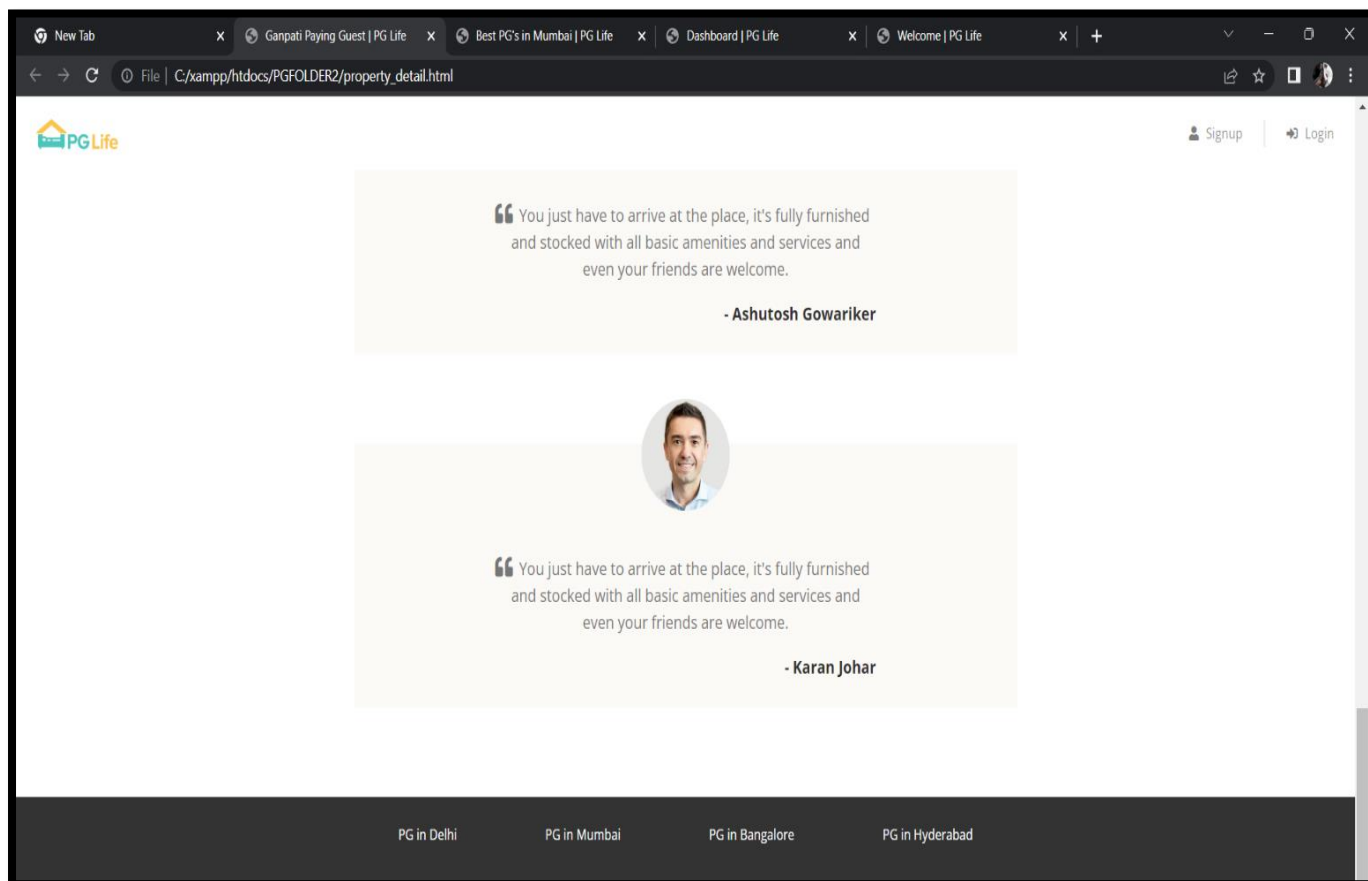
Property Rating

 Cleanliness
★★★★☆

 Food Quality
★★★★☆

4.2
★★★★☆





CHAPTER 5

Conclusion and future work

People or students choose a university or college far or wide to complete their studies in a major city in order to gain admission and will also prefer to stay on campus because this is not an easy and comfortable job to do. go every day and attend classes on time because a lot of time to get as well as energy is lost in travel so they need to stay as close to the university as possible. So it is a rare case that everyone has a relative or a friend at a nearby university. So they need to come to our place to find PG rooms or hostels nearby to stay there to avoid other daily problems, and save their time and money and energy etc. So we decided to build this PG Accommodation Website and offer any way to find their nearest PG, Hostel etc.

Dear Friends,

We are here to give you an easy and easy way to find places near PG House, Hostel Rooms etc. This Website helps to find the nearest PG, Hostel etc. As we know there are many other ways to find PGs, but we also offer a variety of services such as Tiffin service, Cab, Library, laundry service, etc. These are available Daily / Weekly / Monthly and this is very difficult for the student to do during the course of a course or activity. And we are also unique in that we suggest you only around your local area, and we update our site weekly. That is why our website is also more honest and trustworthy than other forums.

Compared to other Apps or Website such as Google or other Search engines we provide a specific address or location to the reader where the website focuses on providing information about (s), but there is more in-depth information about PG (s).

REFERENCES

- <https://www.youtube.com/>
- <https://trainings.internshala.com/>
- <https://www.wikipedia.org/>
- <https://github.com/>
- <https://www.scribd.com/>
- <https://stackoverflow.com/>
- <https://www.geeksforgeeks.org/>

CERTIFICATE



5.1 Certificate