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PG Finder

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Abstract: This web application is a web service for locating PG (paying guest) in Pune. the most aim of developing this project is to provide best PG's (paying guest) services for patrons. This website is aimed toward providing alternate and convenient ways to book/search PG (paying guest), book best PG (paying guest), information about PG (paying guest). During this website one can simply register their PGs by filling out the mandatory information. This information is verified and can be added by admin. Students can easily access these verified PGs.this may provide a structured and trusted list of PGs for the scholar's convenience.
Keywords: (Backend development, Bootstrap, Frontend development, MySQL, Php)

I. INTRODUCTION

For the past few years the number of educational institutions is increasing rapidly. Thereby the number of hostels is also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually[1].The main Objective of this system is to provide Online PG (Paying Guest)Service in Pune. This website is created by keeping the requirements of students in mind. Every year, lots of scholars migrate to different cities for pedagogy. Most students from our college (VIT Pune) itself are migrating to Pune this year. The question that arises first is:"How can we discover reasonable and safe accommodation?" we have tried to know the problems faced by our fellow peers and are available with solutions for the identical. the first concern while attempting to search out PGs is whether or not or not it's located near the student's (end user's) college. Our website gives this a priority and offers results supported the college entered rather than the case. For eg: instead of searching for Bibwewadi, one can simply select VIT Pune from our locations and procure a list of colleges nearby. Students migrating to new cities must be already anxious which they would not want complex websites with unnecessary information cluttering their minds. we have got created the net site keeping this in mind. Our website is aesthetically pleasing also as easy to use. It provides the specified end in an exceedingly structured format. most importantly, what sets this platform apart is that it's created by students for school students.With this realization, we have strived to create a platform that will help students find the right PG for his or her need.

II. METHODOLOGY/EXPERIMENTAL

A. Materials

For the planning and development of this system we are using these programming languages.

1) *HTML5:* Hyper Text language version 5.This is the essential artificial language, it's used for the design of the system.HTML is that the quality terminology 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 contain "this can be a heading", "this might be a paragraph", "this might be a link", etc.
2) *CSS3:* CSS stands for "Cascading Style Sheets" CSS is that the language we use to style an HTML document. CSS describes how HTML elements should be displayed. CSS saves many labor. It can control the layout of multiple sites all directly. External stylesheets are stored in CSS files. CSS tags start with the ..
3) *JAVASCRIPT:* JavaScript is that the world's preferred programming language. JavaScript is that the unreal language of the web. Javascript is easy to search out out.
4) *Bootstrap Framework:* Bootstrap is also a free front-end framework for faster and easier web development. Bootstrap also gives you the pliability to easily create responsive designs. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and plenty of others, further as optional JavaScript plugins
5) *PHP:* PHP is an open-source, interpreted, and object-oriented scripting language that will be executed at the server-side. PHP is analogous temperament for web development. PHP stands for Hypertext Pre-processors.

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PHP is an interpreted language, i.e., there is no need for compilation. PHP is quicker than other scripting languages, as an example, ASP and JSP.PHP can be a server-side scripting language, which is used to manage the dynamic content of the net site. PHP are embedded into HTML.PHP is an object-oriented language

6) *My SQL:* MySQL is currently the foremost general management system software used for dealing the relational databases. it's open-source database software, which is maintained by Oracle Company. It is fast, accessible, and straightforward to use management systems in judgment with Microsoft SQL Server and Oracle Database. it's commonly employed in conjunction with php scripts for creating powerful and dynamic server-side or web-based enterprise applications.

B. Components/Flowchart/Block Diagram

Customer Functionality Flowchart:-

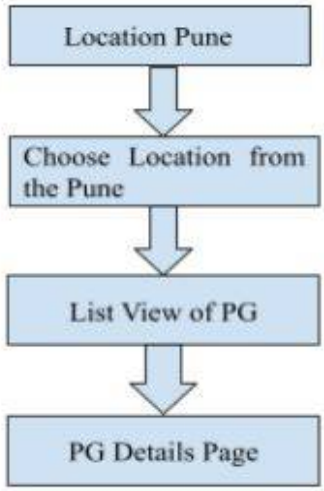

Fig. 1

Admin Functionality Flowchart:

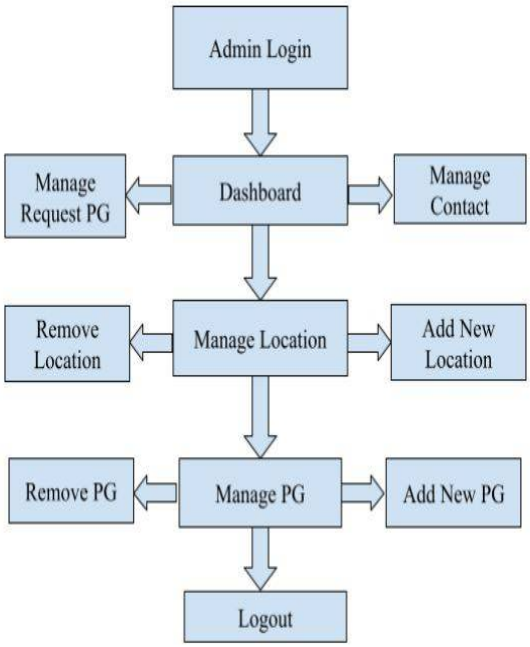

Fig. 2

full flowchart of the Pg finder website

C. Testing

S.No	Test Name	Output	Remarks	Action
1.	Admin Login	Login Successful	If we puting the same user id and password , then its login	Pass
2.	Website Responsiveness	Perfectly Fine	Checked with the different Browser & Different Device	Pass
3.	Test Fields	Perfectly Fine	All information must be input	Pass
4.	View page case	Perfectly Fine	Is the requested page available?	Pass
5.	PHP Error log	Perfectly Fine	No Error Found in Error log	Pass
6.	Config.php file checked for the connection	Perfectly fine	No error found	Pass

Fig.3
Test action on the following pages and login

III. RESULT AND OUTPUTS

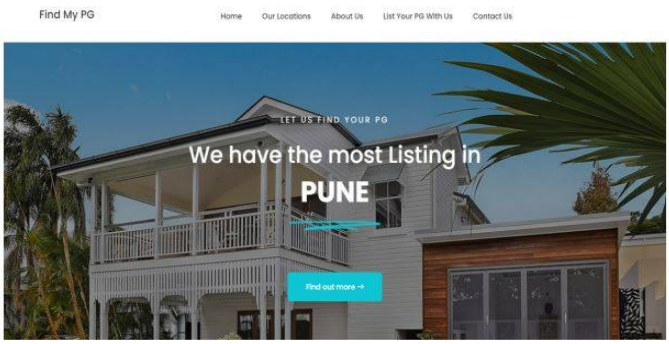

Fig.4
Front Page of the Pg finder website

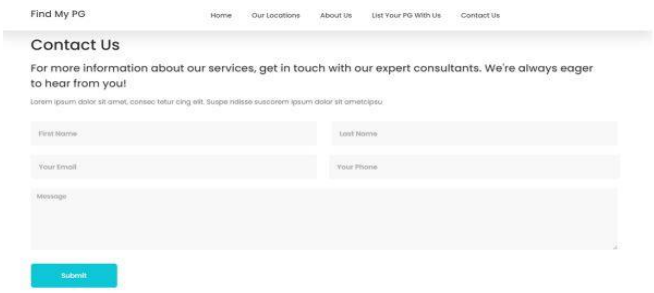

Fig.5
CONTACT US PAGE

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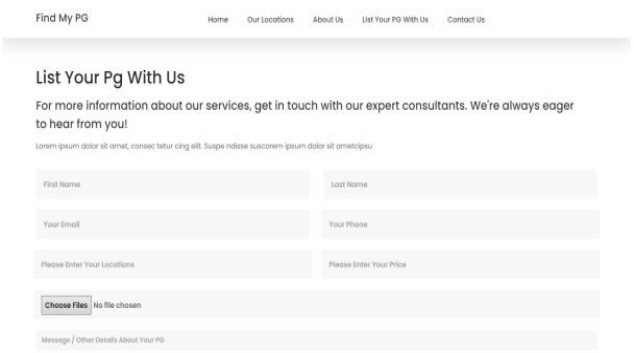

fig.6

IMAGE FOR THE LIST PG WITH THE ADMIN

IV. FUTURE SCOPE

In future we are looking forward to making it more user friendly depending upon student's feedback. Also we are gathering more and more data just to not only be limited for PUNE but also for the whole INDIA. Next we are adding a payment gateway where the student can pay their PG rent.

V. CONCLUSION

This web application is an online service for PG find (paying guest) in Pune. the foremost aim of developing this project is to provide best PG's (paying guest) services for students/customers. the aim is to style a system using which one can perform all operations related to PG find (paying guest). within the current system a customer must search/find various agencies to go looking out details of PG (paying guest) and to contact the PG (paying guest) owner. This often requires many it slow and energy. it's geared toward providing alternate and convenient ways to book/search PG (paying guest), book best PG (paying guest), information about PG (paying guest). during this website/ web-application throw PG (Paying Guest) Owner contact with the online site Admin for the list out self PG or if any customer will get wrong information on the online site regarding any pg and with any-other source with our website they'll also contact the admin.

VI. ACKNOWLEDGMENT

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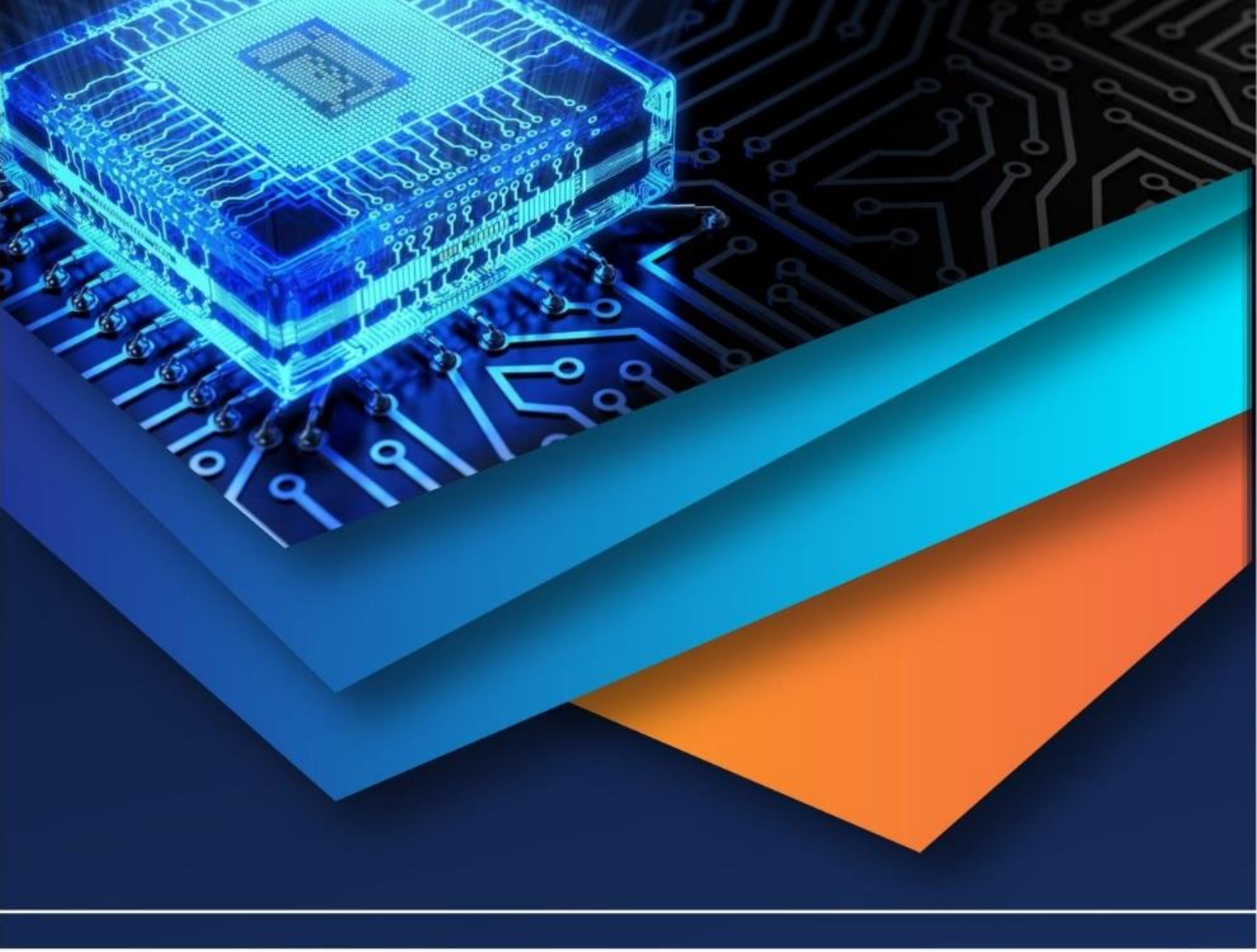

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