APPLIANCES REPAIR HUB

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Abstract: The internet is the modern world; everything can be found there, and using it is convenient and time-saving as well. The majority of our tasks require us to wait in line for hours, such as paying our phone, power, or water bills. However, thanks to the internet, these tasks are now quite simple to complete we only need to tap to pay any type of bill. The same is true when buying groceries, furniture, and clothing online. We created a website that specializes in the repair and servicing of both new and old electronic and electrical gadgets, taking into account the needs of the modern world. Offering consumers a door-to-door step service, which helps them save time and effort? This client receives a door.

Index Terms - Internet convenience, Online payments, Time-saving services, Convenience of tapping.

I. INTRODUCTION

Appliances have gone from being luxurious to becoming necessities. With busy work schedules and crazy traffic our lives become busier like never before, we are more and more hard_ pressed for time. With the rapid development of technology , Our home appliances play a critical role to make our lives more comfortable and convenient .Be it our Ac Machines, Washing Machines, T.V , Refrigerators etc.; All this makes life more simple and convenient for all . In case there is a sudden breakdown in any of these appliances we are put under much inconvenience. At such times we are in need of the most prompt and efficient repair technicians and repair services at home. To ensure that these home appliances function normal again.

A plethora of appliances can be found in practically every home, and they are used nonstop to give us the convenience and comfort we deserve. We sincerely appreciate these appliances, which are a need in every house. Furthermore, you need to take care of these appliances if you are appreciative of them. Electrical appliances in homes will eventually break down because machines eventually wear out. Sometimes misuse or overuse causes them to break down early. Nearly every household uses electrical appliances such as mixers and grinders, geysers, water heaters, fans, irons, computers, laptops, and mobile phones. Periodic servicing, maintenance, and active repair are definitely necessary for these electrical appliances.

1.1 MOVITATION:

The appliances must be completely automated with no user input at all in order to raise the standard of living. As a result, the end user may interact with the appliances without difficulty because they can learn from him and adjust to his needs without him having to physically click a button.

1.2 OBJECTIVE OF THE PROJECT:

To create a website for the company that provides appliance repair services. Because it might be challenging to get such big appliances to a repair shop, professionals will visit their home to fix the washing machine, refrigerator, cooler, etc. People are so indolent these days that nobody wants to go to work. Everything must be completed at their convenience, on their schedule, and at their doorway. The services provided by this company will please the clients.

In today's society, everyone wants to accomplish everything—including shopping, food delivery, and other tasks—online without any hassles. Here, too, customers may take use of the services while lounging at home by reserving online slots.

II.LITERATURE REVIEW

Household appliances have become essential parts of our everyday lives in today's fast-paced society, streamlining chores and improving our general quality of life. These appliances, which once included air conditioners, dishwashers, washing machines, and refrigerators, are now essential parts of our houses. However, appliances are prone to wear and tear, malfunctions, and failures just like any other mechanical or electronic gear. The necessity for trustworthy and effective appliance repair services has arisen as a result of this reality.

Service Design for "Home Appliance Repair Services" by J. Kim et al. This paper proposes a service design framework for home appliance repair services that includes customer needs analysis, service blueprinting, and service evaluation. The framework aims to improve the overall customer experience and service quality of home appliance repair services.

Mr. Right is an app that started out as a way to link only the urban areas of specific cities like Delhi, Noida, Gurgaon, Faridabad, Mumbai, Hyderabad, Pune, Bengaluru and Chandigarh.

Time savers' is one of the web-based home service systems where customers can earn incentives for services rendered and receive a refund if they are not pleased. Delhi, Noida, Gurgaon, Hyderabad, Bangalore, Pune, Mumbai, and Chennai all provide this facility.

Urban Clap has offered a range of exclusive services. They have, however, provided those services in cities such as Mumbai, Delhi, Chennai, and Bangalore. This method was used to train over 10,000 professionals.

House Joy offers free five-year insurance and free rework to its employees and clients, which has helped them cultivate a devoted clientele. It might hire experts to take care of the paint, woodwork, plumbing, and appliance and electrical repairs in addition to cleaning and pest control. Bangalore is where most services are provided.

EXISTING SYSTEM:

Customers can schedule and utilize services through the current systems. To use the system's services, the user must first register. Between the customer in need of services and the service provider who can give them, the gadget serves as a conduit. Under the existing system, users can only access the fine print regarding service providers; they are not able to register for the services they require, and as a result, they are unable to keep an eye on those services. Users are able to offer feedback regarding the services they have got.

PROPOSED SYSTEM:

In this website users can book the slots according to the customer's availability and requirement. This website allows users to register by providing basic information such as their name, address, phone number, and email address. After that, they can access the required services by logging in with their username and password.
Home service providers should register on this website and provide basic information such as their contact information and original government identification. This website allows users to register by providing basic information such as their name, age, gender, address, phone number, government evidence, and email address. After that, they can access the required services by logging in with their username and password. By noting the location.

III.METHODOLOGY:

1. HTML

HTML stands for Hypertext Markup Language. It is used to design web pages using the markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages and markup language defines the text document within the tag that define the structure of web pages.

The <form> tag is used to create an HTML form for user input
The <footer> tag defines a footer for a document or section.
The <div> tag defines a division or a section in an HTML document. It is used as a container for HTML.

2. CSS

CSS stands for Cascading Style Sheets is a popular choice among developers who are focused on building web pages that are visually driven. It is a powerful style sheet language that is used to manage the look and feel of content developed with HTML.

The key benefit of building a Commerce platform with CSS is faster page loads and enhanced performance. This is because the browser will only download the rules once. After that, it is just cashed and used for each new page load in the future. The hover selector is used to select elements when you mouse over them.

The linear-gradient () function sets a linear gradient as the background image. To create a linear gradient, you must define at least two-color stops. Color stops are the colors you want to render smooth transitions among. You can also set a starting point and a direction (or an angle) along with the gradient effect. The box-shadow property attaches one or more shadows to an element.

3. PHP

The term PHP is an acronym for Hypertext Preprocessor.
It is a server-side scripting language that is used for web development.
It can be easily embedded with HTML files. HTML codes can also be written in PHP files.

3.1 GET METHOD

The GET method sends the encoded user information appended to the page request.
The page and the encoded information are separated by the Character the data sent by the GET method can be accessed using
the QUERY_STRING environment variable.
The PHP provides $_GET associative array to access all the sent information using GET Method

3.2 POST METHOD

The POST method transfers information via HTTP headers.
The information is encoded as described in the case of the GET method and put into a header called QUERY_STRING.
The data sent by POST method goes through HTTP header so security depends on HTTP protocol.
The PHP provides a $_POST associative array to   access all the sent information using POST.

4. MYSQL

MySQL server is an open-source relational database management system which is major support for web-based applications.
Databases and related tables are the main component of many websites and applications as the data is stored and exchanged
over the web. Even all social networking websites, mainly Facebook, Twitter, and Google depend on MySQL data which are
designed and optimized for such purposes. For all these reasons, SQL server becomes the default choice for web applications.
MySQL server is used for data operations like querying, sorting, filtering, grouping, modifying, and joining the tables.

SOFTWARE TOOLS USED

1. Visual Studio Code

Visual Studio Code is a source-code editor that can be used with a variety of programming languages, including Java, JavaScript, Go, Node.js, Python, C++, and Fortran. It is based on the Electron framework, which is used to develop Node.js Web applications that run on the Blink layout engine.

2. XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, Maria DB database, and interpreters for scripts written in the PHP and Perl programming languages.

3. MySQL

MySQL Workbench is a unified visual tool for database architects, developers, and DBAs. MySQL Workbench provides data modeling, SQL development, comprehensive administration tools for server configuration, user administration, backup, and much more. MySQL Workbench is available on Windows, Linux, and Mac OS

4. Browser

A browser is an application program that provides a way to look at and interact with all the information on the World Wide Web. This includes Web pages, videos, and images .A web browser is application software for accessing the World Wide Web or a local website. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.

IV.IMPLEMENTATION

We are giving our customers access to a platform that offers doorstep services for repairing various products and devices (electronics and electrical). Clients can register complaints by visiting our website, which makes it easy for them to get in touch with us. First, the user visits our website, chooses the area and category of products to be repaired, then provides the address of the service provider of their choice. A service agent from our company then visits the customer's location to retrieve the product and deliver it to the chosen service provider, who then assesses the product's defects and determines the approximate cost of repairing or resolving the issue.

RESULT AND DISCUSSION

Figure 4.1 Registration for Service Provider

Figure 4.2 Available service provider details
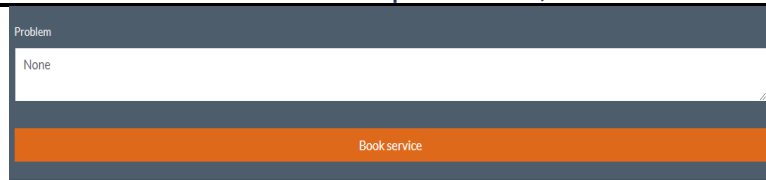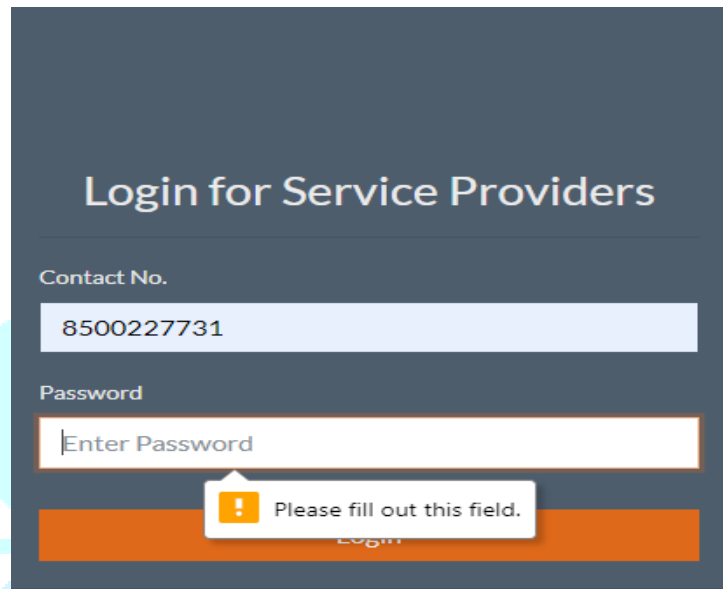
Figure 4.3 Book Appointment Form

This is book appointment form where users or customers can filling credentials he/she will gets the message like there appointment was booked successfully

Figure 4.4 Login page of service provider validation

When Service provider tries to login without filling credentials he gets the message like please fill this here user not entered contact number so got a message like contact required

CONCLUSION

We offer services like air conditioning repair, washing machine repair, refrigerator repair, cooler repair, and television repair on this website. Slots for these repair services can be reserved. We give consumers access to a platform that drastically cuts down on time wastage and makes doorstep gadget repairs convenient.

As a result, it also maintains the database, which is helpful for subsequently verifying the status of the different fields. It will   most likely improve neighborhood marketplaces and result in a rise in their services.

In the future, it will benefit society by offering its services. Additionally, by offering an online platform, it will assist the local   service provider in expanding their market.

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