Survey paper on “Online Home Services Provider”

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ABSTRACT

In today’s technological world everybody is looking for the on hand smart and perfect technological solution to satisfy their day to day requirements. The growth of booking home services over the internet has acquired extensive popularity in the recent times. People find it more convenient to book services online from the comfort of their homes than going out to find someone to do the same. This is a perfect solution for all those who want home services with a single click. In this survey paper, we observed and study about some existing system which is provide platform for all the hardworking people to connect directly with the customer and provide home service demands at their home. It will help the laborers/retailers to adapt to the changing trend.

KEYWORDS

Home services, online services, web portal, laborers

1. INTRODUCTION

When someone need aid with small but major household tasks, the trouble arises when service skilled persons are unavailable or the trusted providers are impossible to find, who delivers consistently flawless service on instance. Convergence of information technology and communication technology has created an environment where we can access information, get services online from anywhere anytime even at the state of mobility. Such access to information and online services is possible just by the use of our finger tips through mobile applications. These mobile applications can be grouped as personal, perishable, transaction oriented, location specific and corporate [1]. In today's world many online system are available which provide home services which is catered to the requirements of a Client who wants to provide domestic home services online by bringing together the users and service providers. The registered users can demand a service available through the application and based on the user’s location, the nearest service provider is allotted to cater the user request for service. Locating the user and the service provider is done by using the GPS (Global Positioning System) that gives the exact location on the service provider and use. The applications simple and straight forward interface, instant service, feature for rating and sending feedback, makes it incredibly useful and relatively easy to use for all users But all existing system are not work effectively in rural area because of less connectivity of internet.

These all online system aim to help in providing optimal solutions to all your household troubles with more efficiency, easy and majorly, a delicate touch. A single click system describes booking highly skilled in-house professionals and gets your service done on time. Customers’ overall willingness to pay is significantly and positively correlated with the expectation that fee-based services would be better, and with the belief that “pay for what you get” is the right thing to do keeping that in sense our this all system is essentially a marketplace for household services and it is the platform where the rates were standardized and there is non-cessitate haggling over prices. Several aspects like painting, pest control, home cleaning, plumbing, electrical works and carpentry services are involved in a system to provide happy and healthy home atmosphere in order to satisfy consumers.

The aim of this paper is to provide an exploratory analysis of the existing home services providing system and also find requirements and issues that users are experiencing. To do so, we review the main features of innovative home services by online survey.

2. LITERATURE SURVEY

The technology developments supply super possibilities to make existence a lot better for today's community. Below are materials from various researchers who have worked in this field.

N. M. Indravasan Proposed an application that will reduce the difficulty for the customer's to find laborers and steer clear of bargaining to get the profitable services to be done[6].

Mia Andelin in her thesis focused on three main areas to look into and invest in home services and delivery (1)home services for populace (2) cost savings for contractor and services provider and (3) New service affecting on building image builders developer and thus come up with the home door project[10].
K.K. Agrawal and team proposed an application that will be remove mediator between the customer and the laborer. Eliminates the presence of mediator and thus the cost for services would be reasonable[7]. Sheetal lobal positioning system) services. Based on his current fetching the location of the service provider. Service provider is allotted to the request user by sending SMS (Short Message Service) to cater the user’s request[1].

There are some applications such as Urbanclap, Housejoy, Cheep, Mr.right, and others that are present in today’s community.

### Table 2: Survey Table of Exiting System

<table>
<thead>
<tr>
<th>Area</th>
<th>Name</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangalore, Mumbai, Delhi/NCR, Chennai, Hyderabad of India.</td>
<td>Housejoy - trusted home services</td>
<td>Wide range of services including appliance repair, beauty services at home, cleaning, plumbing.</td>
</tr>
<tr>
<td>Ahmedabad, Bangalore, Mumbai, Delhi/NCR, Chennai, Hyderabad, Pune of India.</td>
<td>Urbanclap - local services</td>
<td>Range of home services, easy payments, convenient bookings.</td>
</tr>
<tr>
<td>Delhi, Noida, Gurgaon, Ghaziabad, Faridabad, Mumbai, Pune, Bangalore, Hyderabad, Jaipur, Chandigarh of India.</td>
<td>Mr.right – home and appliance repair services</td>
<td>300+ home services, appliance repair services, upfront pricing, proper invoicing, secure, payments.</td>
</tr>
<tr>
<td>20+ cities of India.</td>
<td>CHEEP – local home services</td>
<td>Verified and trusted professionals, 17+ services available including appliance repair, home services, tutor etc.</td>
</tr>
</tbody>
</table>

### Table 3: Tools and Technology Used for Development of Exiting System

<table>
<thead>
<tr>
<th>Technologies</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JavaScript</td>
<td>Most known as the scripting language for Web pages, used in many non-browser environments as well such as node.js or Apache CouchDB. It is a prototype-based, mult-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles[5].</td>
</tr>
<tr>
<td>PHP</td>
<td>Fast, flexible and pragmatic, PHP powers everything from your blog to the most popular websites in the world.[6].</td>
</tr>
<tr>
<td>Java</td>
<td>A programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day. Java is fast, secure, and reliable. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere![1].</td>
</tr>
<tr>
<td>Bootstrap</td>
<td>Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web. Bootstrap is a tool in the Front-End Frameworks category of a tech stack[5].</td>
</tr>
<tr>
<td>MySQL</td>
<td>SQL stands for Structured Query Language. MySQL development has made the source code available under the terms of MySQL owned by Oracle. The paid editions are also available which offer additional functionality. MySQL is used in many websites such as Facebook, Google, Twitter, and Youtube. The MySQL database is used in web applications. Open source projects use MySQL. The development code is now available to the users under the use of general public license[1].</td>
</tr>
</tbody>
</table>

### 4. Proposed Solution

After survey, we reach to conclusion that we make application which is work effectively in rural area and show service provider’s profile easily. We add two way of booking first is user can select service and book service online then service provider accept or reject that request of service online. Which is used by exiting system, second is same as first for user side but some minor change in service provider side, when admin get request for service then he call service provider and ask him for his availability if he is available then confirm the request and give the location of user to him.

In additionally we show service provider profile on system. Service provider add his personal information and his best work and working experience on system. User can easily see the profile of services provider. This features is very useful for service provider. User also refer the service provider’s profile to other user and earn points for future services. Thus this application seems to be more dynamic, effective and efficient than the existing system.
5. ACKNOWLEDGEMENT

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6. REFERENCE


