

# Service Providers for Home Appliances

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**Abstract** – In current time, each person might be very busy in a heavy work load as they're worried in a busy agenda of each day work manner of existence. They have no time for their family life. If any problem happens unexpectedly in our home appliances, it distracts from our daily routine and chooses over the work they have to accomplish primarily. So, it needs to make balanced with the family and professional life. Nobody want to live in homes or houses where there are leaks in pipes, damaged furniture's items, issues in wiring of the home etc. As now a day's technology is more demandable, it makes the human's life easy. By pressing the single click with the help of mobile phone or laptop application, to send the request to service provider for repair the home appliances at the home. Peoples don't need to go to the shop; service provider will come to your home gate and provide the best services in front of you. By using technology peoples can save the time also by booking the order for repairs the home appliances. We can book the time slot for service provider to come at your home and repairs equipment. So, technology plays an important role for solving these types of issues.

**Key Words:** Services, users, employees, Python, Django framework, MySQL, PyCharm, API.

## 1. INTRODUCTION

When a person desires help in a small and essential family home system the hassle arises we do not get skilled males and females for the services or the individual or any employer to whom we are able to consider effortlessly and resources services at any region and at any time or times. The small assignment of keeping the

household home system emerges as disturbing assignment. In our platform for domestic systems, provider vendors inexperienced and exasperate loose way to remedy the home artwork.

Our intention is to provide most incredible solutions to all your private home tool issues in a green ease and majorly a sensitive contact. A unmarried click on tool allows in

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reserving especially trained expert in house professional and receives your offerings completed on time, our patron expectation that price primarily based truly imparting may be a plenty lower and with the notation that “pay great for what you get” . Our platform is a marketplace for household services where the rate of services is standardized and quality of services is good. Our platform provides serval services like electrician, plumber, carpenter, mechanic, painter for healthy home atmosphere.

Online machine for family offering may be used by legal consumer intending to search for family offering through an imaginative net primarily based system or a mobile application. To offer an authenticated and certified login module for customers inclusive of provider’s seekers, provider companies and the admin, with the aid of providing suitable credential at the time of registration. To expand an internet based online gadget for opting household offerings and to broaden identical cellular software for opting the offering. To layout an interactive person interfaces for searching for offerings on the cross. To provide a secured online charge gateway for carrier seekers. To well known the conformation of services opted via the customers.

### 1.1 Problem Definition

When someone needs to solve the issues of home appliances then there is problem in find out the skill full person which can repair the home appliances. Any people are not expert in each field. So if a people of one field is going to solve the issues of other field, then there is maximum chances that household item are not repaired and if by chance repaired then life of repaired items not longer. So now a day, searching the experience service provider is very tough.

Each problem has some solutions but you have to find out. So, the above discussed problem has different solution. The most demandable solution, solve this issues with the help of technology.

### 1.2 Objective

The main objective is providing the service by using the technology. The user or customer can booked the service provider by using the single click.

Second objective is reduce the time. Customer can book the service provider through online; don’t need to go here and there for find out employee.

Third objective is easily available employee or service provider by single click with the help of applications.

Fourth objective is make application easy, such that any one uses the application in easy way.

Fifth objective is reducing the burden of customer or users related to maintenance of household items.

## 2. SYSTEM REQUIREMENTS

### 2.1 Software Requirements

**Table -1: Software requirements**

Language	Python, HTML, CSS, JavaScript
Framework	Django
Package	Geopy
API	Fast2SMS
IDE	Pycharm

## 2.2 Hardware Requirements

**Table -2: Hardware requirements**

Processor	Any Processor x86 or x64 supportive.
RAM	Min 256 MB
Devices	Smart phone, Computer/Laptop

## 3. TECHNOLOGY USED

### 3.1 Python

Python is a kind of programming language. It is founded by “Guido Van Rossum” and this language is first released in 1991. It is used in different domain like as web development, software development, mathematics, system scripting, game development, machine learning, artificial intelligence, data science, data analytics, etc.

Python support different platform like Windows, Mac, Linux, Raspberry Pi etc.

If we compare the python language with the other languages like as Java, C, C++, C# then python is easiest programming language. Its syntax is similar to the English language. Many lines of codes in other language can do the same code in python within one line.

Now a days Python 3 version is used. Before python 2 is used, python 3 remove a lot of limitation of python 2 version.

### 3.2 Django

Django is free, open source back-end server side web framework written in python. It makes easier to build web pages using python. Django emphasizes reusability and come with ready-to-use features like login system, database connection. It is helpful for database driven websites. Django takes care of the tough stuff so that you can recognition on constructing your web programs.

Django emphasizes reusability of components, also referred to as DRY (do now not Repeat yourself), and springs with equipped-to-use features like login device, database connection and CRUD operations (Create have a look at update Delete).

### 3.3 Geopy

Geopy is a Python Client for several popular geocoding web offerings. It makes it smooth for Python developers to find the coordinates of addresses, cities, nations and landmarks throughout the globe. It include the geocoded training for the OpenStreetMap Nominatim, Google Geocoding API (V3), and masses of other geocoding offerings, the whole list is available at the Geocoders document segment. Geocoder istructions are positioned in geopy.geocoders. It is examined towards CPython and PyPy3.

### 3.3 Fast2SMS API

Fast2SMS.com is a famous bulk SMS issuer provider in India. It became started out in 21st July 2011. Because of its simplicity and simplicity of use it has become one of the at the entire used SMS portals and has 2 million users. Bulk SMS refers to commercial enterprise sending SMS to at least one or more recipients and may scale as lots as loads of heaps of people at the equal time. It refers to sending massive wide variety of message to a predefined set of clients.

Fast2SMS provides completely specific and beneficial characteristics which aren't always available in each other bulk SMS company organization. You could ship SMS to DND and Non DND numbers even in case you are not registered inside the DLT portal.

API refers to software program Programming Interface. SMS API integration is the fastest

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and only manner to send automated message straight away out of your platform. Fast2SMS offer API for bulk SMS, which ensures safety and its miles a completely dependable, deliver of sending facts.



### 3. CONCLUSIONS

To lesser the weight in locating in-residence solutions for the imparting, the proposed tool offers numerous services via the use of imparting provider expert at the doorsteps in a single click on. Systematic cellular environment to device purchaser's gives ease in having access to our services in a greater comfy way. With nicely certified and ancient past tested specialist we make all your private home cleansing, plumbing, fixtures, protections, electric powered works, device repairs, house painting, vehicle issuer and lots of unique offerings to be completed in a click on each time from anywhere as smooth as available . In future the device may also have prolonged by way of using way of which consist of the offerings which incorporates mobile and pc restore, laundry, services, catering services and lots of more.

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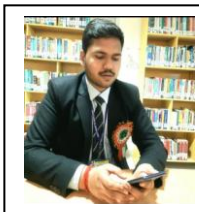
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