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# Integrated Reallocation Services Using The Web Application

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***Abstract***

*Web services are an essential part of modern technology. Several critical applications and functions are accessible directly through the internet. This global availability makes it easier for people to connect with the processes and function of web service even when they are away from the workplace. Google map is itself a service that can be added to a web service for improving functionality. Google map helps for traveling and transporting to different places for unknown directions and the route to be followed. It also introduces the basic navigation operation, such as showing the direction with the optimal route between the origin and the destination and calculating the distance and the expected driving time. Shifting from one place to another was a very tough job because the person needs to arrange all their goods, porter, and vehicle for transportation from source to destination. In this paper, we are developing a web application by which the user can easily track the route of transportation using Google map which will provide a solution for all the above-mentioned problems related to shifting.*

***Keywords:*** *Relocation Services, Movers And Packers, Shifting Services, Packaging, Order Execution, Timely Delivery, Tracking System.*

## 1. Introduction

The very thoughtful of shifting took months of planning, sleepless nights, the help of neighbors, annoying Packing, vacations from the office, and lots of money to spend on lots of activities[2]. As we know shifting is a tough task. If a person wants to shift from one place to another, he needs to arrange the goods, find porters for loading and unloading, then as per his requirement, he needs to arrange an electrician and a plumber. He will have to hire a vehicle for the transportation of the goods from source to destination. This web application model will reduce the stress from the minds of thousands of people those move from one place to another for education, work or for any other reason. It is quite stressful for people to handle the task of change on their own. It requires a lot of energy and hard work along with efficiency [5]. Without with the help of professionals, it becomes impossible to put everything in order even after the change is finished. Even it is very risky to select a vendor and hand over the valuable goods to be moved. Relocation is never fun. It is a very hectic and rottenly very stressful job to do. But with the expert assistance of the application model, the entire process can be a cakewalk. Whether it is expensive furniture, appliances, chinaware, fragile decorative, or your beloved plant these services can be ensured by the service provider of the application[4]. The whole procedure makes the user stress-free whenever their precious goods are traveling. This model of the web application will prove a game-changer. Google Maps is a service that is used as a web service for improving functionality. In the present paper with the help of Google Maps, the user can easily find the specific route of



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transportation by just entering the source and destination place. This model will be helpful for aspiring packers and movers, existing packers and movers, transportation companies, relocation related startups. The model provides one solution to all the problems while shifting.

## 2. Problem Definition

***A.*** *Statement of Problem*

*To analyze the location of reallocation and suggest the best methods with the help of Google Maps and provide the user with all essential services regarding relocation.*

***B.*** *Existing System*

*In this existing system for shifting from one place to another, the person needs to do all the work manually. Where he/she has to arrange porters, electrician, plumber, and the vehicle for transportation of the goods. There exist many systems in market but they are not that well equipped, skilled, and highly functional. The person has many doubts related to the authentication and service of the provider. Safe and proper transportation of goods is the main concern of the user.*

## 3. Literature Survey

**Table No. 1**

| Sr. No. | Paper title | Author | Year | Advantages | Limitations |
|---|---|---|---|---|---|
| 1 | **An Exploratory Study On Clientele Delight Towards Professional Packers And Movers Services In Chennai City[1]** | A.Appu, Dr. S.G.Balaji | 2017 | Proper explanation of problems faced by people during shifting | Lacking in idea about implementation of the model |
| 2 | **Developing the Process for Customer Acquisition and Improving the Conversion Ratio in a Relocation Service Company (SIP Carried Out At Pikkol, Bangalore)[2]** | R. Jagadeesh | 2015 | Given idea about the flow of shifting model | Not focusing on problems while shifting |
| 3 | **Academic Uses of Google Earth and Google Maps in a Library Setting[3]** | Eva Dodsworth, Andrew Nicholson | 2012 | Proper summary report of uses of Google map | More illustration was required for implementing Google map for various purposes |
| 4 | **The future of the logistics industry[9]** | Andrew Tipping, Peter Kauschke | 2016 | Proper mentioning of logistic scenarios | Lacking in giving implementation for the mentioned methodology |



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As shown in Table 1, A.Appu, Dr. S.G.Balaji in **"An Exploratory Study On Clientele Delight Towards Professional Packers And Movers Services In Chennai City"** mentioned problems faced by people during shifting. From that we got inspired for adding essential modules in the system and to solve people most of the problems[1]. R. Jagadeesh in **"Developing the Process for Customer Acquisition and Improving the Conversion Ratio in a Relocation Service Company (SIP Carried Out At Pikkol, Bangalore)"** mentioned flow for the shifting model which is giving the brief idea for the implementation of the application[2]. Eva Dodsworth, Andrew Nicholson in **"Academic Uses of Google Earth and Google Maps in a Library Setting"** has given a summary report on uses of Google map which is helpful in implementation of our model in navigation purpose[3]. Andrew Tipping, Peter Kauschke in **"The future of the logistics industry"** mentioned logistic flow for shifting purposes and giving brief idea about driving scenarios[9].

## 4. Proposed System

### A. Development steps for building model

This model plays a very important role in saving time, safely, and well rearrangement of goods while transporting them from source to destination. This service provider will provide well- skilled, equipped, and experienced porters. There are some crucial aspects need to follow for developing this model. The steps are as follows:

**[1] Drafting the essential features:**

The first and foremost step before proceeding with application development is to understand basic organizational goals. For that, we have analyzed business goals and linked with the people's need. We have focused on the issues which are commonly faced during the shifting and trying to solve those efficiently.

**[2] Analyzing the development platform:**

The next important step is to analyze the development platform. We have selected a global development platform, on which your packers and movers web application will be designed and developed. We have chosen the .Net platform for building the web application. .NET is a common executive environment with higher security and it provides multi-language support along with versioning changes[8].

**[3] Adding navigation through Google map:**

Adding real-time tracking, navigation through Google map[6]. It is one of the most beneficial features of today's modern customers. Through this robust feature, the customer can accurately track the location of the delivery vehicle using the web application[7].

**[4] Adding necessary modules:**

We have added some essential modules to the application. First, we have added a login page for redirection of authenticated users. Then we have added text control for registration purposes where we are accepting necessary information of the user. After that, we have added the porter module. With the help of this module, the user can select a number of porters. The next two modules we have added are the electrician and plumber module. Here user needs to add the number of electricians and plumber required. The next module is to select the payment method. In this module, we have given various options.



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**[5] Adding Order Summary:**

After selecting various features for the order summary we have added the place order button. On click of the place order button, the order summary will be generated and a receipt will be shown.

**B. Architecture of The Order Page**

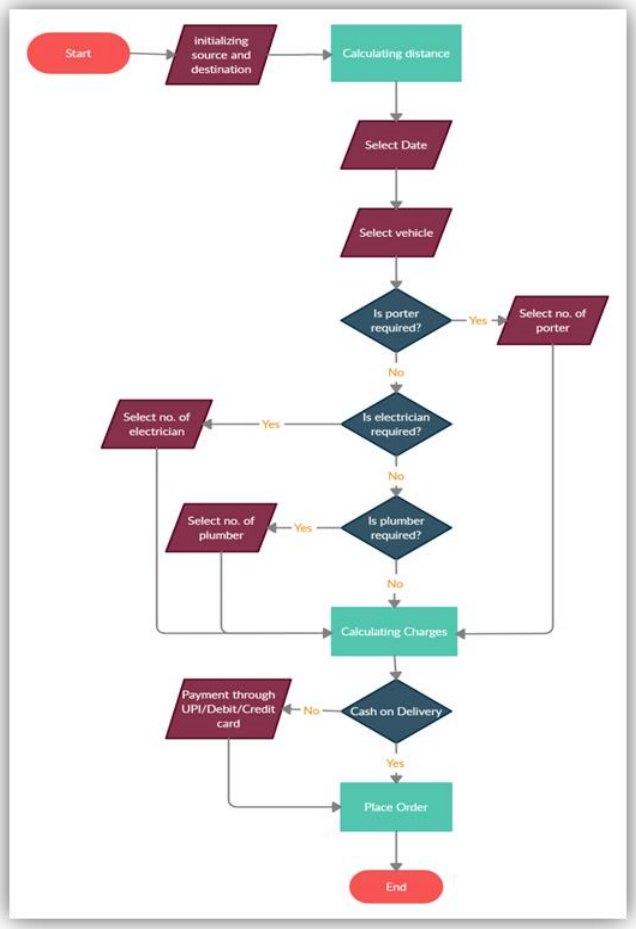


**Figure 1. Flow Chart of the system**

**Steps of the order page are mentioned below:**

**Step1:** The user will enter the source and destination place. Then with help of the Google map module web application will calculate the distance from the source to the destination.

**Step2:** Then the user will select the specific date on which he/she wants to shift. For that, we will use the date picker method with help of its web application will provide calendar.

**Step3:** The user will select the vehicle as per his/her requirement. For that, we will provide a dropdown list with different vehicles of various sizes.



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**Step4:** Then the user will select the number of porters, Electricians, and plumber as per his/her requirement.

**Step5:** Once everything is selected the web application will calculate the total charges according to the information provided.

**Step6:** Then for payment web application provides both online payment and cash on delivery option. In online payment, we will provide options like UPI, debit card, credit card.

**Step7:** Finally the user will place his/her order.

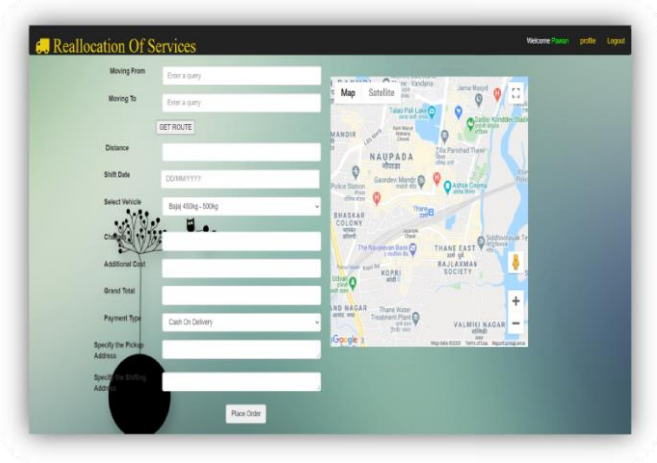


**Figure No. 2. Order Page**

## 5. Survey Analysis

The survey was designed specifically to gather data based on the different views of the people regarding shifting services. This survey was conducted using Google form. In Google form, different questions were asked to survey the views of the people regarding shifting services. 100 people participated in this survey.

In the survey following questions were asked:-

Q. Is shifting a tough task?

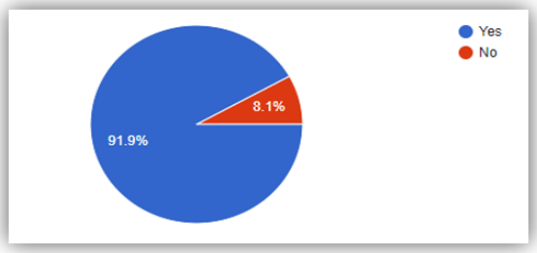


**Figure No. 3**

As shown in figure 3, when the question was asked 91.9% of people considered shifting tough task, while 8.1% of people differed.



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Q. How would you like to manage shifting of goods?

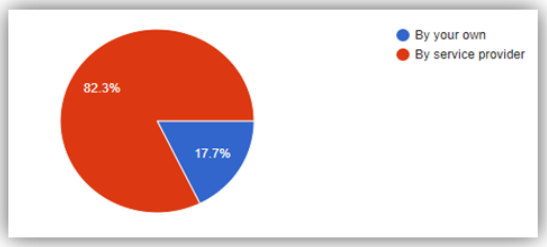


**Figure No. 4**

As shown in figure 4, when this question was asked, 82.3% of people favored manage shifting of goods by the service provider, whereas 17.7% of people wanted to do this on their own.

Q. How would you like to arrange porters for shifting?

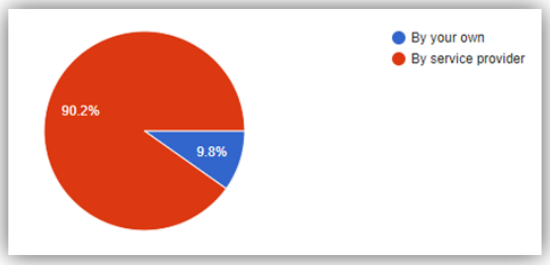


**Figure No. 5**

As shown in figure 5, when this question was asked 90.2% of people opined that they would prefer to arrange porters by the service provider, but 9.8% of people had different view.

Q. What would you prefer for removing electrical equipment?

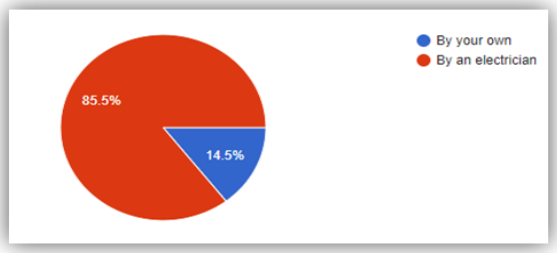


**Figure No. 6**

As shown in figure 6, when they were asked regarding removal of electrical equipment 85.5% of people wanted to get it done by the electrician while 14.5% of people were in favor of doing it by their own.



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Q. For shifting how will you arrange the vehicle?

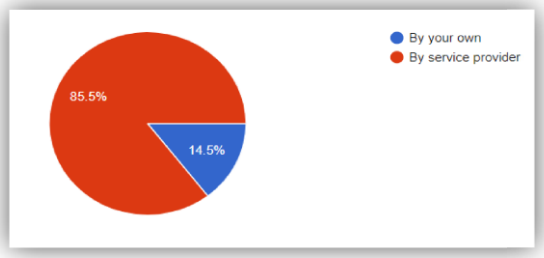


**Figure No. 7**

As shown in figure 7, regarding the arrangement of the vehicle for shifting 85.5% of people were in favor of service providers, but 14.5% of people had a different view.

Q. Would you prefer a web application which provides all the services for shifting?

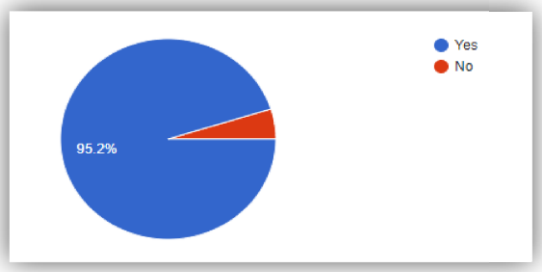


**Figure No. 8**

As shown in figure 8, when they were asked about the web application which provides all the services for shifting 95.2% of people answered in affirmative while 4.8% of people replied in negative.

## 6. Conclusion

The main purpose of this paper is to provide a model of the web application that is extremely useful for those who want to shift from one place to another. As we know shifting is a tough task, but now the time has changed. When we have web applications like this it becomes much easier. Whenever we want to shift we just have to visit this web application, place our requirements and see all the things done in such an easier and magnificent manner.

## 7. Acknowledgment

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