



Online Transportation Service: Moverado Digitalization of Transport Service

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Abstract— The android application is been designed to be deployed on Google play service and provide functionality to the every type of the users. Using this android applications user can interact with the number of transport service providers nearby them. This is an online platform for the service seekers and various service providers. In this application each and every service providers has been verified and trusted. Using this application user can select the best reasonable transport service nearby there area. Using this application user can compare the cost of relocation of their house, office, bike, car or any other households with the other transporters. User can request the loading/unloading request to the transport service providers so the user does not have to worry about the loading or unloading of the stuffs. As per the requirement gathered the technologies used to realize those requirements are the best utilized to achieve this functionalities. This android application provides Communication Bridge between user and transport service providers.

Keyword—House shifting, office shifting, vehicles transportation, relocation of shop, house, office, industrial and commercial moving.

1. Introduction

This application is for making transportation services online and advanced. Generally, people go to different transport offices in different areas and choose most reliable and cheapest transport option, which is quite time consuming and one have to analyze cost of all transport providers. But using this application all these drawbacks can be overcome.

This application provides data of all transportation offices with their customer ratings. Customer needs to choose the pickup and dispatch place and then app will provide all data with the cost, and as per user's requirement user can choose cheapest provider.

1.1 Purpose

- less time consuming
- use of technology
- save money
- better user interface
- effective use
- convenient in use

1.2 Problem Specification

Nowadays there are many applications available in the market but they consist of some problems which are not been solved like

- Time to Time Bill Generation
- Availability of proper dates
- Specific vehicle not available for goods
- Late Delivery of goods
- Application loading time is more
- Tracking of goods is not there
- Bad user interface

1.3 Technology and literature Review

Servers:

Microsoft SQL Server 2007

Clients:

Microsoft Windows 8

Microsoft Office 2007/2013

Mobile

Android

Tools:

Android Studio

Now a days we can observe that we need transportation very much, in this fast growing world we always need to dispatch our goods from one place to another places. Like for growing business people transfers their offices to different

places, people having job get transferred from one place to another places etc. in all these situations transportation of our movables is must.

General methodology for transporting our belongings is to go to transport office and ask them for transportation and pay money to them.

Some problem with this is given below

Problems with General Methodology In this method one cannot get the reviews of other transport companies. One has to pay money as much the transporter may have demand for. If want to pay less, then need to go to different places for comparison of cost.

This will be time consuming and one have to suffer from many problems so generally people pays without comparing and most of the time money get waste.

There is also one problem that if there is less amount of goods, transport provider provides big truck which is huge for the transporting of less amount of goods as a result resources are wasted.

Customers have to go different-different offices for comparing the prices and the type of services they provide.

Solutions for above problems

As per our point of view online booking for this transportation will help us out to overcome these problems.

There are very few such applications which provide booking of vehicle for transportation. So we are developing this application to provide easier transport application. In our application we are providing review and feedback of customers so that we can choose best of the providers.

In this application we will give the detail of transport providers along with their ratings and the cost that they will ask for transportation, so using this information customer can choose cheapest provider for their transportation. Also user can directly contact to transport providers for detailed information and for their queries.

1.4 Objective

Project experience

- reliable
- easy to use
- user friendly
- secure and safe

Project function

- calculating distance
- select from various transport service
- notification before dispatch of goods
- Security
- Selection of type of vehicle

Project features

- tracking goods
- select from various transport services
- choice of types of vehicles-Priority based on rating
- comparison based on reviews
- damage policy

Related Work

According to survey there are many vendors and dealers that have made their business online for increasing their business values in their field. So we have gone through different vendors/dealers and had survey on their business according to digital era. We came to know that there are some problems that they are facing in their online business and we came to know how to sort there problem by adding it as a features in our application.

We came to that there are some problem that still exists till now. The problems are as follows:

Problem:



7) Bill Generation:

Most of the transport service does not provide instant bill during the booking and thus customer does not get confirmation about their booking of particular vehicle. Nowadays Government of India has provided facility to compulsory generate bill on purchase of some item. Some transport company does not generate legal bill receipt to avoid taxation. This problem can decrease customer satisfaction from the service.

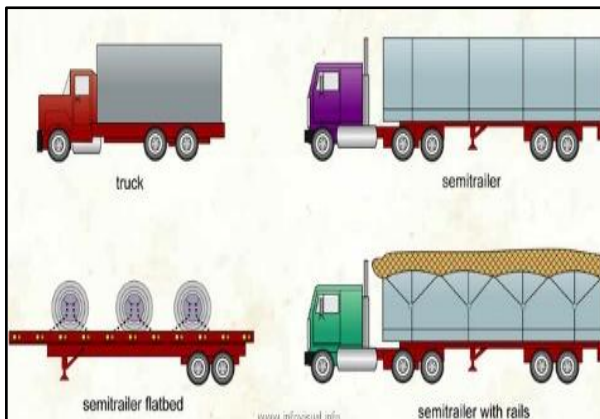
2) Proper Date of booking not available:



Proper transport dates are not available to customer in the existing system. For instance, if a customer wants to book the vehicle for today so he/she will get the date available after few days. So customer have to wait for next date to get available. If a customer wants to shift its items urgently but booking date is not available so, he will get disappoint from us. Customer have to book there vehicle before few months but for urgency purpose it will not work. So facility must be provide to overcome this problem.

[2]

3) Type of vehicle not available for particular goods



Most of the time particular vehicles are not available for goods. For instance, for small/few goods transport service sends big trucks and trailers which increases the cost or rent for customer. Customer have to wait for particular type of vehicle he/she wants to transfer his/her goods/items from one place to other. Nowadays there is also hike in petrol/diesel prices so this increases the cost of vehicle.

[3]

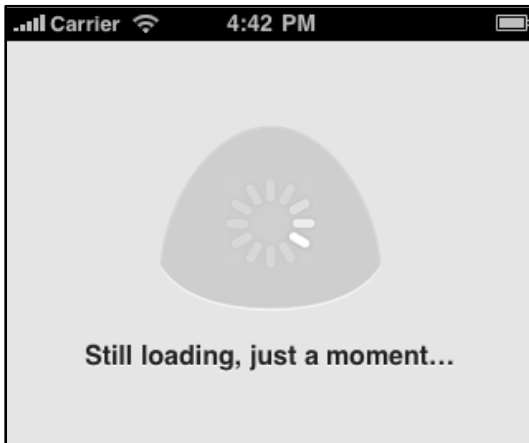
4) Late in delivery of goods:



[4] [5]



Sometimes the valuable items/goods do not reach to destination on time due to some inconvenience occurred by transport service. Customer gets dissatisfied by the transport service and this breaks down the relationship between customer and transport service dealers. Time to time delivery is not there in some corner places of the world. Sometimes due to lack of vehicles/workers delivery does not occurred on time.



[6]

5) Application takes time to get load properly:

Application/site takes long time to get load due to some problem. Sometimes as script is not optimized the application takes time to compile so application takes time to get load. Nowadays customer prefer mobile phones rather than laptop/desktop and they want everything should run smooth and fast so application should load fast. Due to lack of data inconsistency the application takes time to get logged into system also. Sometimes application does not match the hardware requirements which then takes time to load properly.

6) Tracking of goods:



[7]



[8]

In most of the current available system there is no facility of tracking the goods. Tracking the goods can help the dealers, customer that the items/goods are safe and is moving in particular flow. It can help the customers whether the goods have reached safely or not. Tracking tells the person about the estimated time remaining for successful delivery.

7) Damage Policy:

In most of the packers and movers there is no safety guarantee of goods which are being transferred. And there is no any damage policy for the compensation of damaged goods. As a result it is not favourable for transporting fragile and sensitive goods.

Experimental Work and Results

So after surveying we came to know the problem so we decided to make an android application which connects dealer and customer through few clicks. We started adding new features into our system up to some extent.

7) Providing Bill Receipt

As shown in the problem of generating bill receipt we will rectify the problem by generating challan on the date of booking by our application. Then the user can take the print out of the bill generated and saved as a backup copy. He/she can show the copy of bill at the time of delivery.

2) Providing Proper Dates

Our application we provide proper dates to the user so that his work becomes easy and doesn't have to wait for availability of dates. We also provide urgent dates also for the user who wants to transfer his/her good immediately. So, in short we will provide as many dates as possible through our application.

3) Providing Particular vehicle for particular goods

Nowadays cost transportation is increasing day by day so our application will provide a particular type of vehicle to the customer on the basis of type or number of goods. For example, if the customer wants to transmit his crockery items from his/her shop then we will provide light vehicle to the customer.

4) Time-to-Time Delivery

On time delivery is must nowadays so we will fast and on time delivery to customer. There will be specific quota for customer who wants to transmit their goods urgently, so we will be providing urgent vehicles to that customer and ensure them that their delivery will reach on time.

5) Reduce application loading time

Today customer/users wants everything fast in their life, so by keeping this in mind we make an application which will open in no time and it will be light weight. The application will make according to the current technologies and requirements. We will add the basic feature that a customer need in our application and the user interface will be simple so that customer can easily understand.

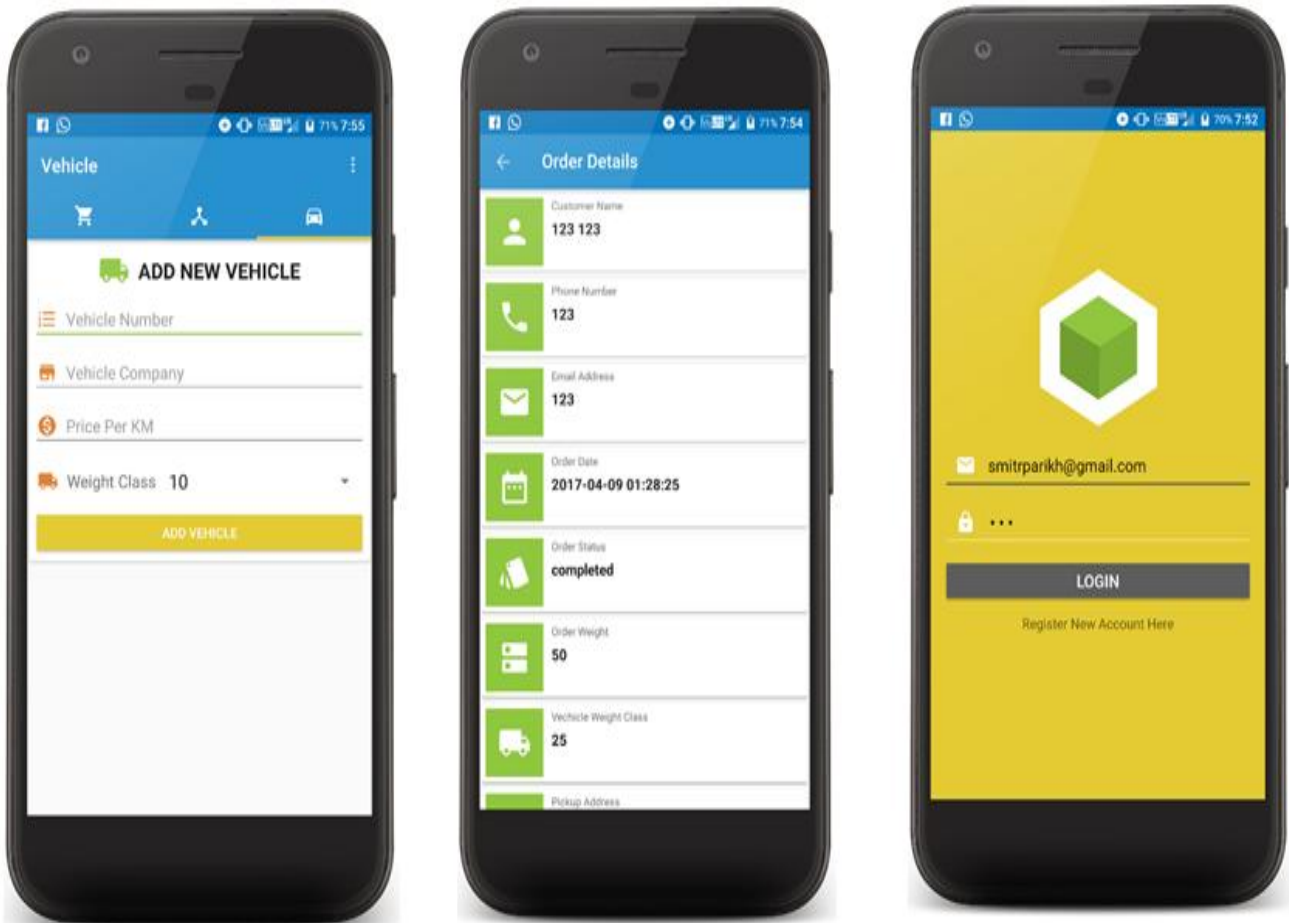
6) Provision of tracking of goods.

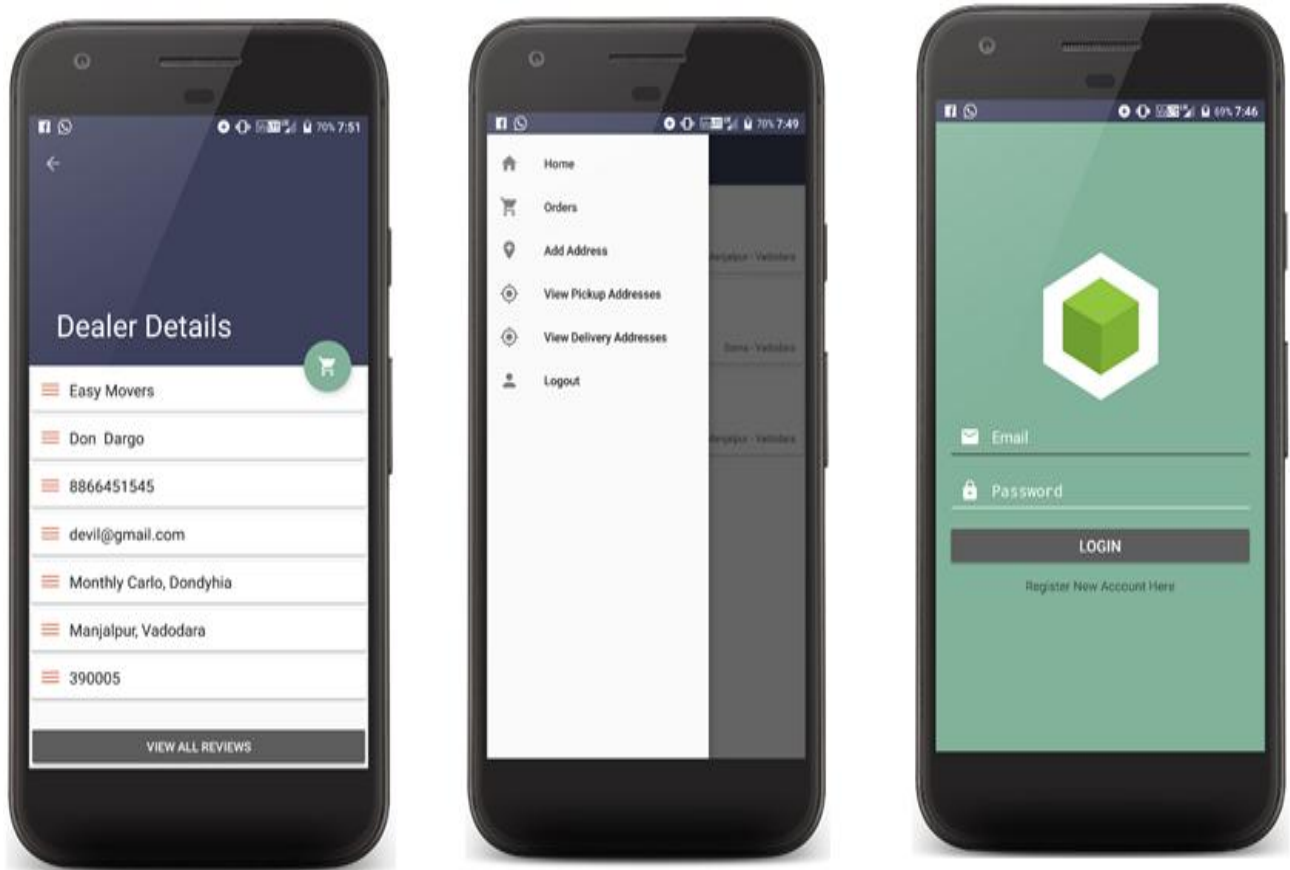
Sometimes customer do not get notification or alert message that if their goods/items has reach safely or not. So to avoid this issue we will add the tracking feature in our application so that the customer gets satisfaction with safety caution of their goods. Later on, we will also provide live tracking of goods through which customer can track the vehicle carrying goods easily.

7) Damage Policy.

In our application we are providing insurance type of policy called as damage policy .In which if the goods which is being transferred is damaged then the company and service providers will compensate for it to the customer as per the goods.

So below are some of the sample shots of our android application.





Conclusions and Future Work

In this paper, we have proposed an application structure, features, and developed a connection between customer and dealer in efficient manner. We be updating our application by adding new features like the damage policy, insurance of goods, safety and security of goods and many more. We will updating the GPS modules for tracking of goods for customer satisfaction. We will be launching offers/coupons as per the customer needs and profit marketing.

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