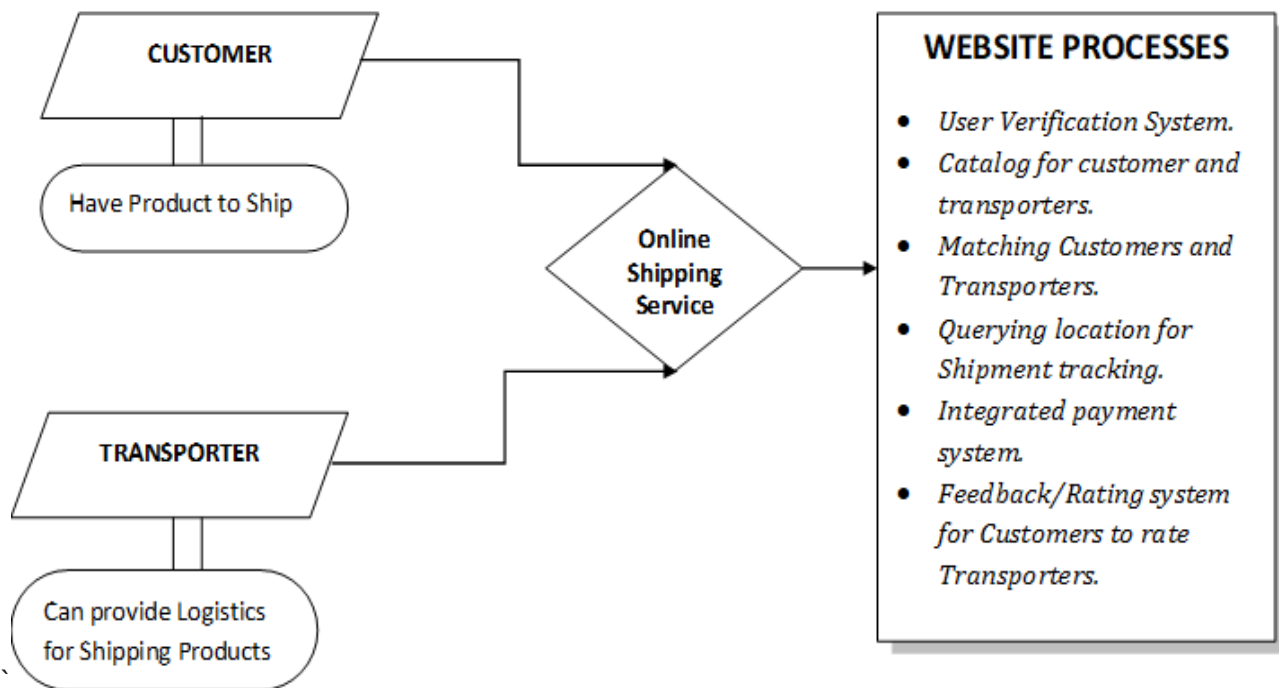


Online Logistics and Shipping Interface for Customers and Transporters

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Abstract:

This website provides Customer and Transporter an online platform where they can list an item to ship and pick an item that is to be shipped. This can drive the cost down because it allows the transporters to choose a nearby shipment and also helps customers to choose the transporter who agrees to ship the shipment in his budget. This directly affects costs and also helps reduce carbon footprint. The Website makes use of Feedback/Rating system to ensure Transporters credibility and build trust.



Problem Definition:

Until now the market was only readily available through connections and only to bigger parties. With this interface, the bigger wall between the two will be destroyed and this will result in a B2P online community, which is already developed offline. This will help to boom up the sales and business of the smaller as well as bigger businesses as their reach has been extended to the internet..

In the older system all transactions were done with cash and by hand. With the new era, it is being demanded again and again to get almost all of the transactions to be done online. With this interface, creating custom receipts and builties for every transaction is also possible.

In the real life, going to different parties and getting their orders is a sales practice, that takes a ton of time of the supplying companies and will in fact hinder their pace of work, where they could've been working, there is no work to do.

With the interface, as the service is available 24x7, any party can pick any kind of services, at their best possible convenience, right from a desktop or a mobile phone.

Also in business, parties can select services, from a range of services provided by the contracted company, while with our interface, the parties can access a wide range of services from different companies at the same time with the same order number.

Objective and Scope of the project:

The main objective is to boost up the business of logistics and shipping between transporters and customers and to help a better reliability and availability of supplies through the market of people, where other businesses suffer due to lack of proper logistics services. Making this service available to the common folks is also a thing considered while developing this project, which is a massive collaboration of the logistics and the shipping world.

Maintaining records of transactions would never be so intuitive and easy for people from now. Also printing custom receipts and pay bills or builties are easy as pie with the range of customizations provided by us.

Companies can manage the transaction details as well as live track the vehicles and orders. Coming down to such details will increase the efficiency of the work, as companies know that they are being watched over with the live tracking feature. There is not time to slack off.

This will not only help in boosting the business of the logistics companies, but help do provide with the goods faster to the needy people. The whole interface is intuitive and easy to use, though we provide customizations for users to customize the look and feel as they fancy.

A feature which seems to be simple but more in need, to search for a transport vehicle based on needs, rather than contract, using filters on the booking section.

Users can book their transporter based on their needs, rather than a binding contract.

All transactions and messages are point to point connections and are highly encrypted with a custom developed algorithm from us.

Main features to be incorporated into the website/application:

1. **Login** for Customers, Companies and Drivers.
2. **Dashboards** for Customers, Companies, Drivers, Admin.
3. Driver/partners **document verification system** and customer details
4. Account Signup verification through **OTP sent on Mobile phones**.
5. Page to **upload new vehicles**, at the Company/Driver's Dashboard
6. **Vehicle Suggestions** Page/Module
7. **Feedback System** for the Drivers/Company's Services as well as customer's
8. Message **chat/ VoIP** for 24x7 customer service support.
9. **Live Vehicle Tracking system** for vehicles, based on driver's mobile GPS.
10. Page for booking vehicles at **supplier's web module**.
11. Specific vehicles can be searched through **filters**.
12. **Vehicle availability** system.
13. **Payment system**
14. Message on mobile and email, about **booking confirmation**
15. **End-to-end encryption** in transactions.

Minimum Hardware/Software Requirements:

Os Platform/Browsers	Windows, Linux, Mac OS X Snow Leopard or higher, Android 4.4 or higher, Internet explorer-11 and higher, Safari-9, Google Chrome, Mozilla Firefox
Processor Minimum	An Intel Pentium 4 processor or later that's SSE2 capable Intel Atom® Processor Z2520 1.2 GHz, or faster processor
System RAM	512MB Minimum
Storage Device	850MB in Android minimum

Software to be used for development:

Os Platform/software	Windows, Dreamweaver, Wamp Server, Android Studio
Front End	HTML5, CSS3, PHP5, JavaScript, JQuery, AJAX, Stripe.js, Bootstrap, Java, Xml,
Back End	MySQL & Firebase Database (pl/sql, json)

Conclusion:

The process is made computerized to reduce human errors and to increase the efficiency. The main focus of this project is to lessen human efforts and save time while boosting up the businesses altogether. The maintenance of the records is made efficient, as all the records are stored in the SQL database, through which data can be retrieved easily.

The navigation control is provided in all the forms to navigate through the large amount of records. If the numbers of records are very large then user has to just type in the search string and user gets the results immediately. The editing is also made simpler. The user has to just type in the required field and press the update button to update the desired field.