

Web Application for Sharing or Pooling of Transport for Goods

Mini Project

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Problem Statement:

Problem :

Transportation of industrial/agricultural goods from one location to another location at reasonable costs via reliable means has become a daunting task. This is a bigger problem when it comes to small-scale users who have to hire an entire truck to transport small amounts of goods. In this case fuel and other resources get wasted. The driver's earnings get affected as the capacity of his truck is not made efficient use of. Either the drivers are forced to take up a consignment and charge low for it or the customer is forced to pay a lot in order to transport it on time.

Our Solution:

Drivers can be directly hired by clients based on their requirements to transport their goods. In simple words, it acts like an *Uber Pool* or *Ola Share* for trucks to transport different kinds of goods. Drivers can advertise their availability, current routes and maximum capacity to maximise their profits. Clients can hire nearby drivers based on the type of goods and destination. The driver can also be mapped to a new order on the way so that the available space can be shared with the existing order he is carrying. Based on the destination and available capacity, the application will suggest an optimal route and allow minor diversions to pick up other orders along the same route. The application will also make sure the same truck will not carry incompatible types of goods. In this way it becomes economically profitable for the customer as well as driver. Additionally we will be adding a functionality where customers will be able to post their requirements and drivers can bid on this, the cheapest bidder gets the trip.