



Cab Booking System

Cab booking system is an idea that has been conceptualized by one of a leading analyst working with a fortune 500 company. He have faced many issues while booking a cab in London, with quite a few app giving accurate results. He started this project with the vision to provide niche cab booking services, which will help users to book cabs easily.

Cab Industry

Abstract

It is a product to handle all cab booking problems from a Handset (Mobile device). This system has 3 major modules:

Operator Module: For driver registration process and 24/7 customer support.

Passenger Module: Android application to book cab, pay fare, track driver who picks up him/her for journey.

Driver Module: Android application which shows a booking placed by passenger.

Problem Statement

- Drivers were unable to find customers easily.
- Customer engagement with driver was not easy at all. So, drivers were not able to get repetitive business.
- Unable to find best suitable cab for any journey.
- No accurate updates from driver, whether coming on time or not
- Customer security was the major concern.

Benefits Delivered

- Driver's weekly business grown by 25%
- Drivers can do job at his/her preferable time.
- Passengers are able to save average 15% of time while waiting for cab.

Challenges & Limitations

- Algorithm to find best possible cabs for search parameters
- Job chaining algorithm for each driver
- Live tracking of cab
- Auto fare calculation algorithm
- Real time updates from system to driver and passenger both



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Aspire Solutions

Aspire established an end to end product development offshore team, starting from the concept building to finished product delivery to support.

- We were created own job chaining algorithm, which gives enough weekly job to each driver.
- Created a auto fare calculation algorithm based on junrey distance.
- Real time web updates using sockets to track cab with integration on map.
- Designed driver registration flow for quality and background checking of each driver for passenger security.
- Offered driver work schedule module for driver's ease.

Technologies Used

Eclipse, Java, JSP, Servlets, Struts, Spring, JPA, Android, Spring Security, AOP, Quartz, OSM(Open Street Map), JSON, JQuery, Mysql



Aspire really worked nice on provided requirements. They delivered exactly what we were looking for cab solutions.

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Our Service



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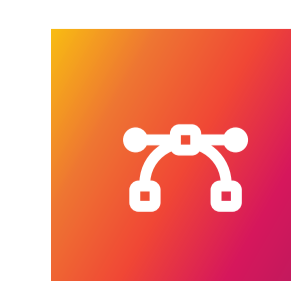
Staff Augmentation



Mobile Development



Portal Development



UI/UX Design