



Efficient Vehicle Telematics Using GPS Tracking & Vehicle Diagnostics



Background

- ◇ Netcorp is an Australian Company specializing in GPS Tracking, Cloud & Infrastructure Solutions. Netcorp provides custom built GPS tracking platform for Mobile Asset Management.

Challenge

- ◇ To enhance and redevelop portion of existing software product to be a unified platform to handle GPS based Vehicle Telematics, Analyze Driving Patterns, Fleet Management, Vehicle Job Management, Vehicle Dispatch, Historical Archiving & Operation Reporting.
- ◇ Additionally, the platform should integrate Vehicle Parameters using OBD Protocol and capture Live Data from Vehicle Engine.

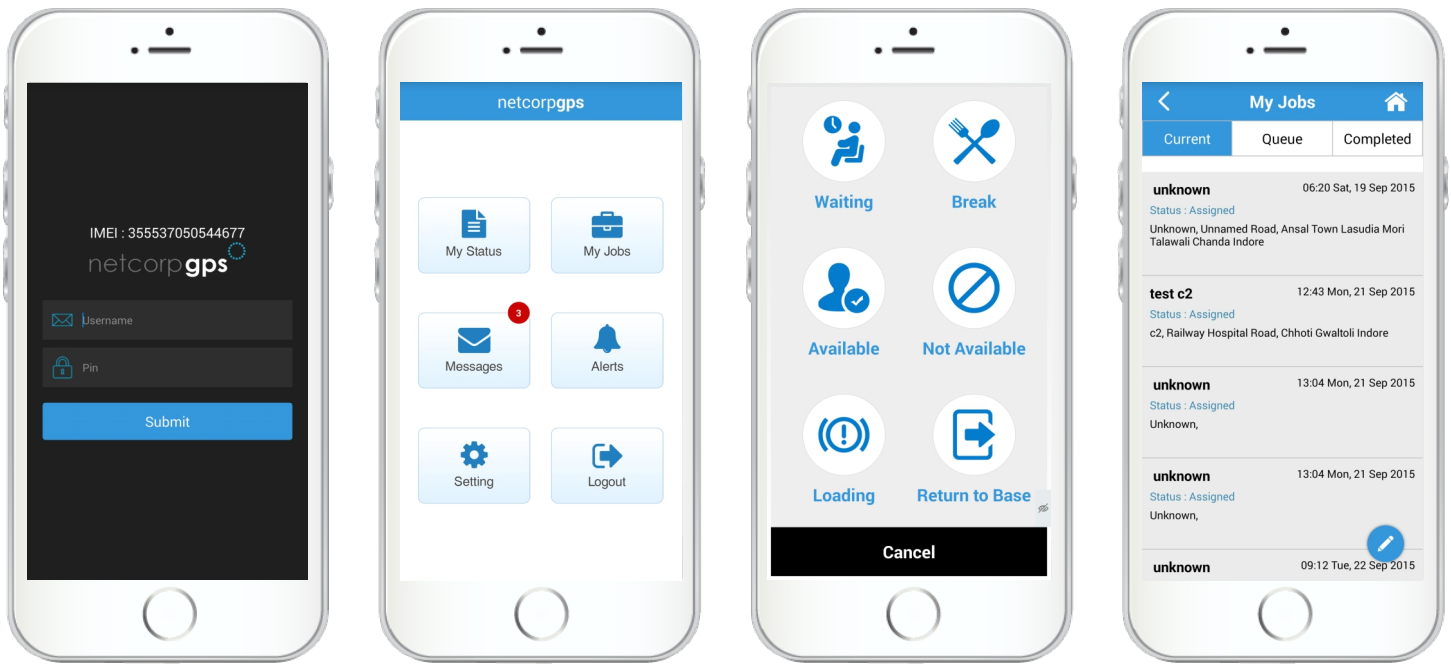
Our Solution

- ◇ Developed a solution to help 'Tracking' of vehicle anywhere in real time from the computer, tablet or smartphone.
- ◇ System helped in Managing Jobs, Dispatches, Bookings and complete operation management for a fleet owner including billing / accounting / payment tracking etc.
- ◇ Using OBD, the system provided live data on fuel consumption, and helped monitoring vehicle abuse easily.
- ◇ Alerting mechanisms allow lone workers and mobile staff to generate alert in case of any emergency.

- ◇ Developed functionality for autoalerts (email or SMS) for driver arrival IETA, live job activity and completion, and automated billing.

Technologies Used

- Android
- AJAX and JSON
- Restful Web Services
- Apache and MySQL
- PHP, JavaScript, CSS3 and HTML5
- Ratchet PHP WebSocket library



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