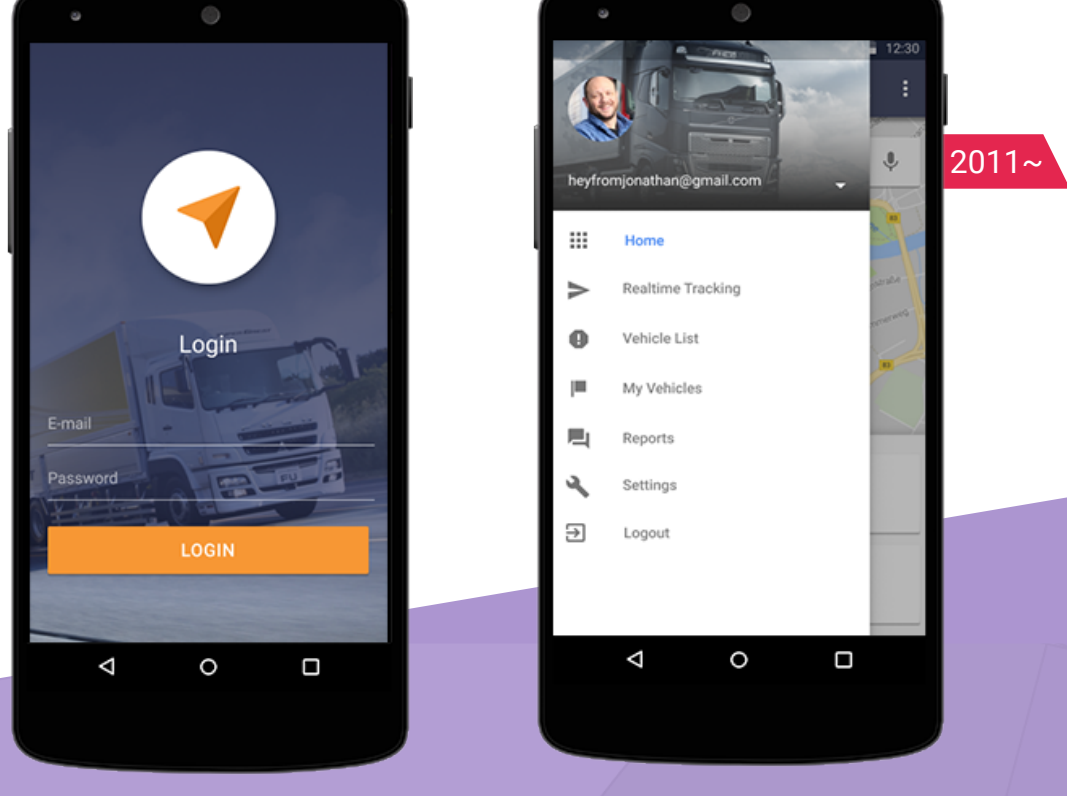


GPS Vehicle Tracking System

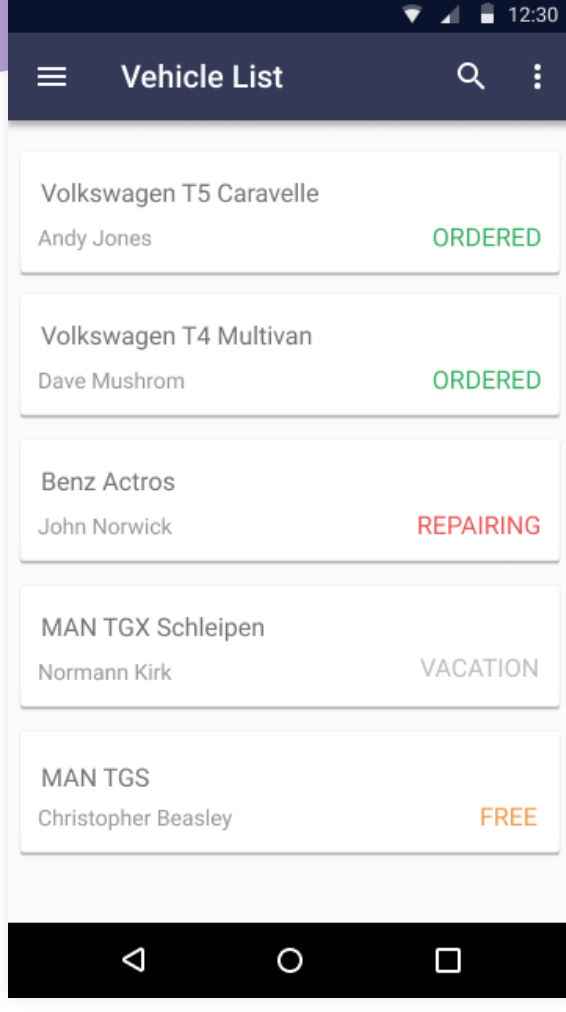
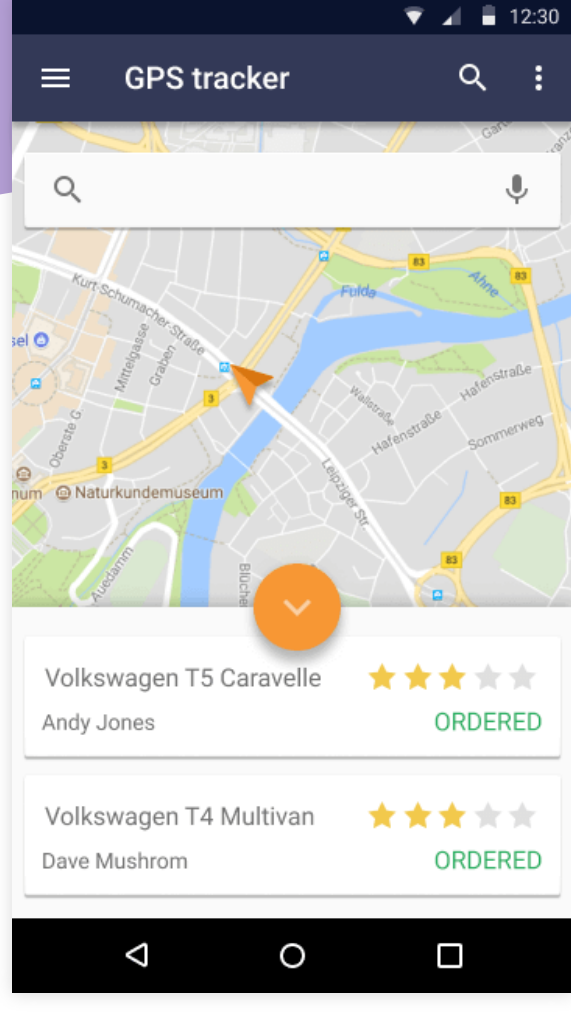
A GPS vehicle tracker that provides entrepreneurs with reliable and timely information about fleets' location and on-board information of the cars. The application also helps drivers to get information about traffic jams and choose the best way to get to the checkpoint. The GPS vehicle tracking system is needed for monitoring schedule adherence of vehicles in service.



Business Challenge

The world changes rapidly and all business goals and tasks are becoming smarter and more complicated every minute. The special apps are created for helping to solve and facilitate business processes. The GPS vehicle tracking system should be designed to simplify all movements of the drivers, to increase the efficiency of working vehicles, to allow tracking the routing and dispatching of the cars. The GPS vehicle tracker also should help to optimize operations and complete more orders. The application should give to entrepreneurs great control functions, quick and accurate feedback, and should provide the drivers with reliable and timely information about vehicle condition (oil and fuel level, seat belt and battery charge) and traffic.

The customer has asked XB Software to develop an easy-to-use vehicle tracking system based on GPS technology that helps to track the position of a fleet, keep on hand the on-board information about working cars and therefore minimize vehicle expenses. The app also should provide the security of all data. The main function of this GPS vehicle tracker system is the possibility of real-time routing optimization for increasing the efficiency of the working vehicles.



Solution

The tracker system was required to be built in accordance with the latest IT and design trends, and with the possibility to use it on all mobile platforms that why XB Software team selected PhoneGap technology for the future GPS vehicle tracking system.

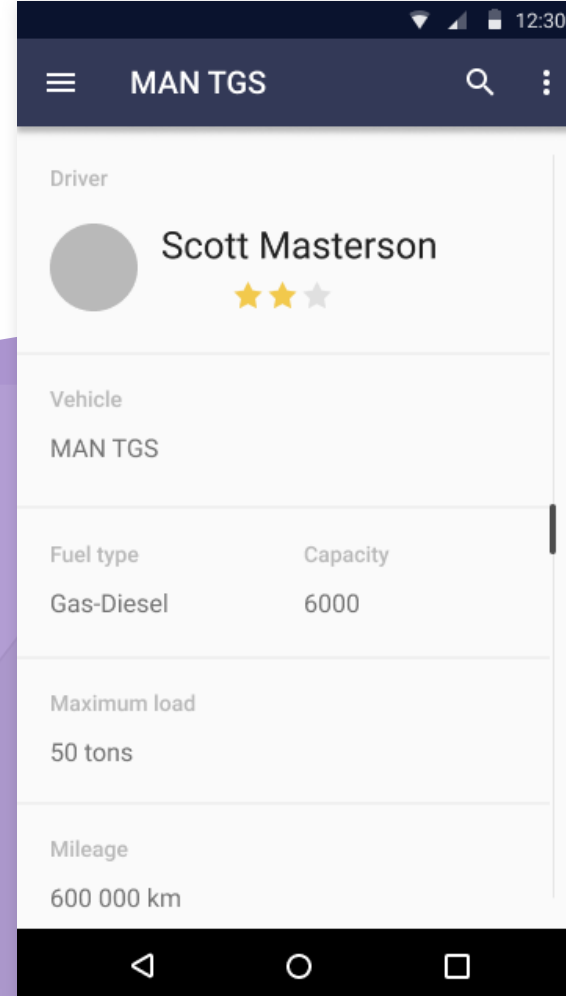
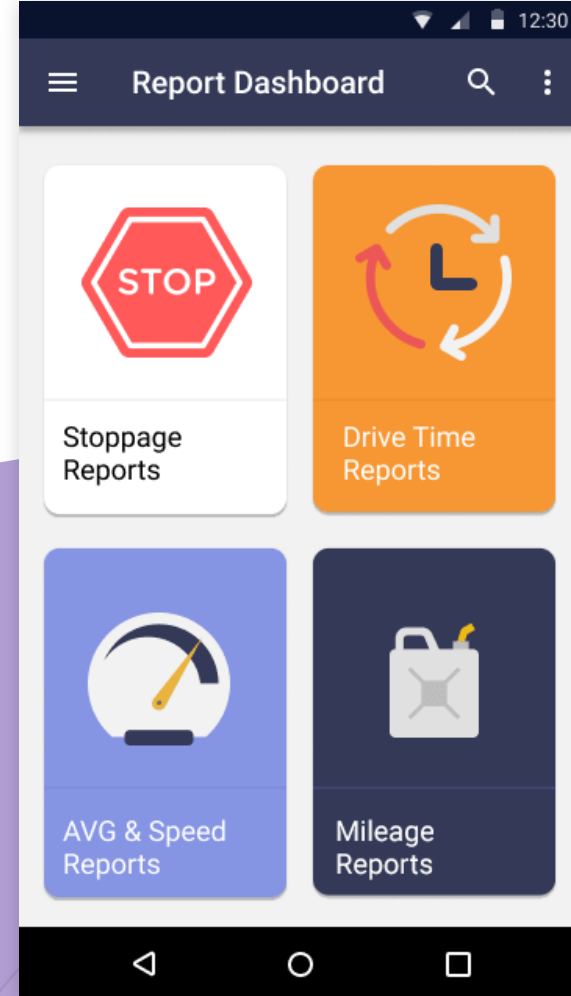
The system includes user accounts to support the level of access appropriate for each driver, custom groups that allow organizing vehicles, planning dashboard, vehicle condition (oil and fuel level, seat belt and battery charge tracking) and on-board information tracking tables (fuel consumption, distance, etc) and a set of additional tools.

The ability to use a map to get the current location of vehicles or to find the nearest vehicle is the useful function for entrepreneurs. The app provides the possibility to show the information about traffic jams which might help drivers to choose the best way to get to the place of destination which should increase productivity and reduce driving time. These features were implemented through Yandex.Kit components.


Laravel was used as a framework for back-end. Nowadays it is one of the innovated and popular frameworks because of its simplicity and great working speed.

One of the important functions of the created GPS vehicle tracking system is the ability to review the history of traveling route. The GPS tracker application allows you to look back at a vehicle's location and driver performance over time through an animated, interactive route replay that breaks each day down into detailed trip segments. Moreover, collected on-board information (fuel consumption, distance, etc) on that day or previous days is always available to analyze.

Applied Technologies



 **Duration**
6 months +

 **Estimated man-hours**
1000+

Result


The result of the fruitful work of the team was the smart and interactive GPS vehicle tracking system that allows optimizing operations via real-time fleet tracking. The customer got an easy-to-use mobile application that can be securely accessed from any device from all over the globe. Using this vehicle tracker based on GPS, users can view the current location of any car or equipment, see the speed and direction the vehicle is traveling and check the route history. The app allows tracking vehicle condition (oil and fuel level, seat belt and battery charge tracking), provides on-board information tracking tables (fuel consumption, distance, etc) and a set of additional useful tools. And finally, the drivers can plan their route more effectively to achieve the best result and reduce operational costs.


Customer

A multinational team that provides solutions in the logistics sector. The company always accommodates business demands, decreasing turnaround time and on-time delivery.

Thanks for watching!

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