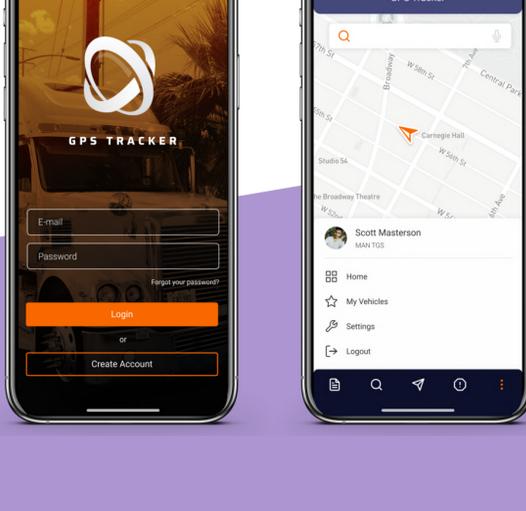


## GPS Vehicle Tracking System

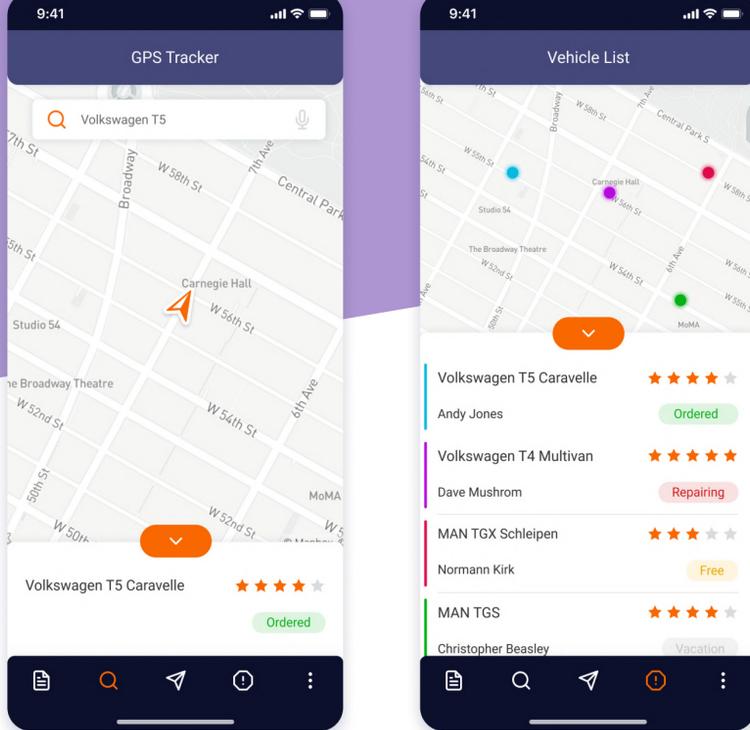
A GPS vehicle tracking system keeps your fleet on schedule and helps your drivers choose quicker routes and avoid costly delays.



### Business Challenge

The world is changing rapidly and all business goals and tasks are becoming smarter and more complicated every minute, so special software must be created to help solve and facilitate business processes. A [GPS vehicle tracking system](#) should simplify every driver's journey, increase the efficiency of working vehicles, and allow efficient tracking and routing of vehicles. A GPS vehicle tracker should also help to optimize operations and complete more orders. The application should give entrepreneurs great control functions, quick and accurate feedback, and should provide drivers with reliable and timely information about vehicle condition, (oil and fuel level, seat belt and battery charge) and traffic.

The customer 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 onboard information about working cars and therefore minimize vehicle expenses. The system also should provide the security of all data. The main function of this GPS vehicle tracking system is the possibility of real-time routing optimization for increasing the efficiency of the working vehicles.



### Solution

The vehicle tracking 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's why XB Software team selected PhoneGap technology for the future GPS vehicle tracking system.

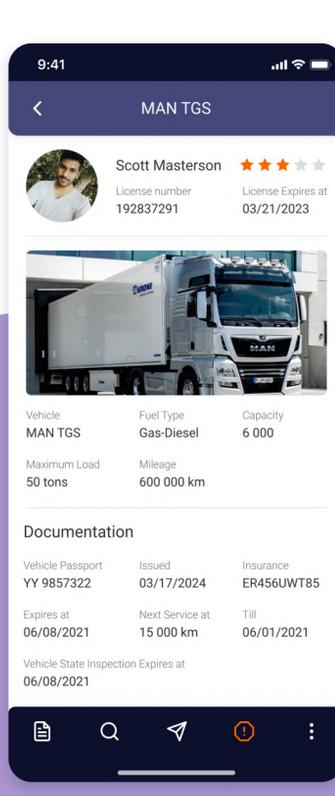
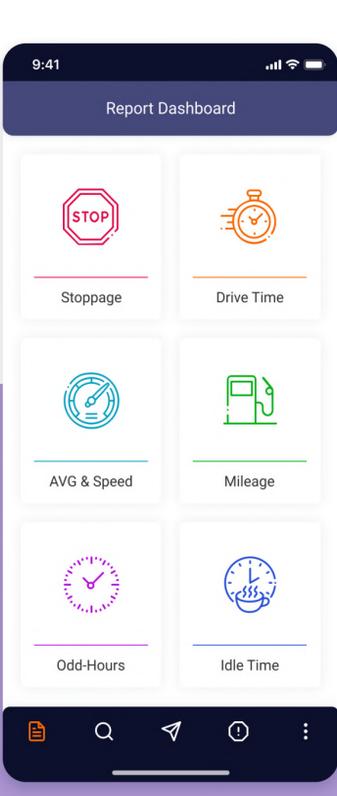
The tracking system includes user accounts to support the level of access appropriate for each driver, custom groups that allow organizing vehicles, planning dashboard, vehicle condition (oil and fuel level, seat belt and battery charge tracking) and onboard information tracking tables (fuel consumption, 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 a useful function for entrepreneurs. The GPS tracking system provides the possibility to show 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 the back-end. It is one of the most innovative and popular frameworks because of its simplicity and speed.

One of the important functions of a GPS vehicle tracking system is the ability to review route histories. The GPS tracking 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 onboard information (fuel consumption, distance, etc) on that day or previous days is always available to analyze.

### Applied Technologies



### Duration

4 months

### Estimate working hours

1400 hours

### Result

The customer got an easy-to-use mobile application that can be securely accessed from any device all over the globe. The developed [GPS vehicle tracking system](#) allows optimizing operations via real-time fleet tracking.

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
- plan routes more effectively to achieve the best result and reduce operational costs
- and check the route history

The [custom logistics software](#) allows tracking:

- vehicle condition (oil and fuel level, seat belt and battery charge tracking)
- on-board information (fuel consumption, distance, etc)
- and a set of additional useful tools

### Customer

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

### Reviewed by Clutch.co

<p><b>THE PROJECT</b></p> <p><b>Platform Dev of Transportation Management System</b></p> <p>Custom Software Development</p> <p>\$50,000 to \$199,999</p> <p>Mar. - Nov. 2018</p> <p><b>Project summary:</b></p> <p>XB Software designed and developed a transportation management system and a corresponding mobile app. Features included online order management, security, and real-time vehicle tracking.</p>	<p><b>THE REVIEW</b></p> <p>"We are pleased with everything."</p> <p>MAR 25, 2019</p> <p><b>Feedback summary:</b></p> <p>The deliverables received positive feedback internally, and XB Software's business analysis and research improved value for users. Expect a clear and efficient development process while communicating easily with their detail-oriented developers.</p> <p><a href="#">Read Full Review</a></p>	<p><b>5.0</b> ★★★★★</p> <p>Quality: 5.0</p> <p>Schedule: 5.0</p> <p>Cost: 5.0</p> <p>Willing to refer: 5.0</p>	<p><b>THE REVIEWER</b></p> <p><b>Operations Manager, Transportation and Logistics Services</b></p> <p>1-10 Employees</p> <p>Chicago, Illinois</p> <p>Online Review</p> <p>Verified</p>
---	--	--	--

Contact us today, and we'll turn your ideas into successful projects.

Visit <https://xbsoftware.com/>

3a Kollektornaya Street, Minsk 220004, Belarus

+375 17 200 03 40

© 2020 XB Software Ltd. All rights reserved

[info@xbsoftware.com](mailto:info@xbsoftware.com)