



CASE STUDY



Permicible Mobile App

Redbytes : Mobile App Development Company in Pune, India

Time Period : February 2017- May 2017

Domain:

A software with an endeavor to create a platform for car rental driving school, also known as dual order, taught under the guidance of an experienced tutor. A user is rendered with an opportunity to learn and gain a practical driving experience through a digital booking system, thus enhancing the presentation during license examination.

Why Mobile App Development?

With increasing demand among mobile app users, there is a high rise in innovative technologies and solutions for advanced mobile apps and its development. Creating a car rental app can provide users an opportunity to learn and gain practical driving experience.

Objective:

To facilitate a user with a variety of car driving lessons depending upon their requirement and irrespective of their location. To ensure superior training environment by excluding manual formalities, add-on feature of providing a validated personalized trainer is made available. This mobile application intends to ensure effective training and it maximizes the success rate of their users to get a license.

Challenges:

- Exact replication of the mobile app from Android to iOS platform.
- Image compression techniques involved while uploading bulk images on the server
- Implementing a nested app flow structure
- Maintaining pace with the French interface
- To map the coordinates of dents on a respective car in an image across different resolutions.

Strategy:

Gaining the visibility of the requirements of client, module was realized using agile methodology. To serve client's requirement in a better way, communication was boosted effectively at regular intervals in the form of channels using Trello (Agile tool). Requirements were mapped closely in order to ensure smooth integration and high degree of precision without any glitches. Feedback were collected from the client and corrections were made accordingly to overcome the challenge of French interface.

What We Did?

Redbytes ensured to develop a feature-rich car rental mobile app across iOS platform which offered their users with uncomplicated booking and online payment methods. Users were acquainted with a registration and validation via this mobile app which reduced manual formalities. They are given the privilege to request tutor for driving guidance and also schedule booking as per their preferences, thus saving their time.

Dashboard was included which maintained a track of packages purchased by users, thus rendering them with a high quality of experience. Uploading images of the rented vehicle from 8 specific angles before and after the driving lessons within the desired geographical boundaries. Add on feature of uploading receipts of bill is provided, if fuel refill was initiated by the user.

Following points summarizes features of this mobile app:

- 1) Automated Registration and Validation
- 2) Validated personalized Tutor request
- 3) Easy booking and cancellation
- 4) Online payment gateways
- 5) idrive feature include:
 - Intimidating status of every step of idrive via a SMS on registered contact number
 - Functionality of reporting internal or external damage
 - Track fuel meter and refill
 - Sending alert in case of emergency
- 6) Automated time counter for upcoming reservations

- 7) Provision of digital signature
- 8) Timely PDF generation of receipts and necessary details to keep users updated
- 9) Maintains user dashboard
- 10) User profile edition and deletion
- 11) Sharing this app on several social platforms

Design:

Redbytes contemplated on making a user-friendly mobile app that allowed users to rent cars during desired time slots through their iPhone devices. Android app provided by our client was analyzed closely, tasks were outlined and further assets were mapped by our Graphic designer onto iOS platform.

Application Part:

This particular app was developed across iOS platform.

In iOS: Objective C was used to write the framework of the respective app. X code is used as the integrated development environment (IDE) as it accounts for one of the most suitable platform to build apps.

Testing:

To ensure the functionality of app, set of test cases were analyzed at regular intervals of time. Automated testing methods like are: unit testing, integration testing and regression testing were used to resolve the problems of performance. Our team had compiled several unit tests and by running a series of specific regression tests, they were able to isolate the issue & pin it down.

Debugging:

Our experts carefully focused on identifying bug in the application through consistent testing. Further, unknown issue was fixed within a short duration and our team continued with the launch ahead.

Achievement

Our team ensured that this highly performant mobile app functioned seamlessly on iPhone devices within the time-line of 4 months. As a technically proven team with immense knowledge and skill we could achieve client's delivery goal in an excellent manner.

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