



redbytes[™]
SOFTWARE
Appify Your Business

LEAR[®]
CORPORATION

AUTOMATED SEATING APP

CASE STUDY

Redbytes : Mobile App Development Company, Pune
Time Period: 4th November 2017 to 22 November 2017

Domain

Lear Corporation, is a leading global automotive supplier who serve almost all the auto makers. They provide components, seating systems, vehicle name plates, electronic products and electrical distribution systems. This automated app would help them offer a wide range embellishment technologies to make seating systems more user friendly.

Why Mobile App Development?

As mobile app development is in a constant race with trends in the tech world, it serves as a bridge between the virtual and the physical world to offer better chance to businesses to increase their existing customer interactions with their products.

Objective

To create a mobile app, where the users can manage the seat configurations in vehicles in connection with mobile devices. To collaborate the app development process & to serve customers as a single source for advanced solutions.

Challenges

- To work with the low level language to connect the hardware part and also to manage signals
- Building an app is a long and complex process but we had a very short time frame of 15 days to execute the entire app

- Testing the app was also a challenge as it contains a lot of hardware including the internal and the external components
- CANcase was used to capture the receiving signals from mobile app to the embedded system software

Strategy

With proper understanding of client requirements and with deep in-field research, our app development team worked on this app with extremely high-standard of user experience. As this project was to be completed in a very short time, our team had to work around 12-13 hrs/day to meet the client time-lines. Our team studied the design frameworks and binary operators in detail and also performed R & D to explore the diverse range of app possibilities.

What we did?

Our client wanted an automotive seating app that works across the iOS platform for their customers that could help them adjust seat positions. Redbytes implemented proven methodologies with domain knowledge and technical expertise to find a perfect solution that was cost effective, made in quick time to market and has a high-quality user experience.

The project was executed on client side and each functionality was properly tested and results were pushed out as weekly work updates to the client for feedbacks based on thorough user testing process.

Features of the app

- Easy access to the app with just one touch on the screen
- Through WiFi, its automatically connected to the system
- App is created with a simplified interface design for a user-friendly experience

- User authentication- The user needs to enter the IP address and Port number in the settings tab using the internet connection
- App is incorporated with 2 types of seat- Driver Seat & Passenger Seat, with each one of them with 2 function- Seat movement & Massage

Design

Redbytes used a strategy that had minimalistic design and simplicity in use. The initial app design was made in such a way that the complexity of the functioning was made easier. For this we first created mock-ups and this was approved by the client and we had made 2-3 iterations of design to make out the final one.

Application Part

This particular app was developed across the iOS platform. One of the most interactive language, **Swift 3** is used here to adopt modern programming patterns for this app. Here, **Xcode** is used as the IDE (Integrated Development Environment) for this app which is considered to be the best suite for developing apps for Apple devices such as iOS, Mac, iPad etc.

Testing

To ensure proper functionality of the app, our testing team parallelly worked on the testing process along with the development process as the app was directly tested with the hardware device.

Investment

This app was the combined effort of a group of skill-full team with impeccable knowledge that included a developer, a quality analyst and a graphic designer. And it took 15 days to complete the entire app with all the client needs added to it

App Screenshots



Achievement

Redbytes team, successfully developed the Clapp app within a pre-defined time stamp with having commitment to excellence and expertise in mobile development applications. After launch, the popularity of this app was sky rocketed.

