Developed pregnancy tracking mobile apps for a leading US-based digital solutions company

Case Study

Industry:	Healthcare
Technology:	Java, MVC, Swift 4.0, .NET
Country:	USA

Client Profile:

The Client is running a leading digital solution company in the United States of America. The company is developing health tools using behavioral decision science and machine learning to engage patients in their clinical care. Along with solutions, they also apply their multidisciplinary approach to jointly develop strategies and products to enhance partners' business.

Challenges:

The client reached us with a requirement to develop Android and iOS mobile applications that can help women to track their pregnancy periodically or month-wise. The client also asked us to build a web-based admin panel for doctors and healthcare professionals. This admin panel will help doctors to track the well-being of their patients.

Solution

Experts at KCS thoroughly understood the client's requirements and offered below listed solutions:

▮ We used the Java language while developing the Android application

▮ Java contains a rich set of libraries that helped our developers to develop cutting-edge features for the Android application

▮ As the Android application is developed using Java language, it is completely secured from all kinds of threats such as viruses or malware

▮ Using Java language, our developers built various APIs that increased the overall performance of the Android application

▮ With Java language, our developed designed a highly intuitive UI/UX for the Android application

▮ The use of MVC architecture helped Android app in being adaptable and responsive with mobile devices of all sizes

▮ In order to develop an iOS mobile application, our experts used the latest Swift 4.0 framework

- We used the Swift 4.0 framework because it offers better readability to content as well as the code of the iOS application
- Maintenance of the iOS application can also be done easily using Swift 4.0
- Our experts used the .Net framework for developing an admin panel for doctors
- The admin panel will help doctors and healthcare professionals in tracking the well-being of their patients
- With the mobile applications, pregnant women can maintain daily logs, appointments, baby kick counter, contraction counter, etc.

KCS Approach

The client's primary need to develop Android and iOS mobile applications was fulfilled using Java, MVC architecture, and Swift 4.0 framework. These technologies not only increased the overall performance of mobile apps but also protect them from viruses and malware. For developing the admin panel, we used the latest .Net framework. While designing the admin panel, we assured that even a non-tech user can easily operate and get the job done.

Impact:

The mobile apps and web-based admin panel are already deployed over the internet and are used by hundreds of users every day. Using these apps, pregnant women can manage upcoming doctor appointments, baby kick counter, manage log for tracking their behavior and symptoms, and a lot more. These apps also contain learning center sections that help pregnant women to learn more about various pregnancy topics. Doctors can also track patients' overall well-being and can revert with the feedback if needed.

Tech Stack

Java   .NET MVC   Swift

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