CASE STUDY

App development for Evidence Based Medical Apps LLC

Powered by:
Cosmic Innovations Lab Inc.

An app development project for EBMAPPS for their efforts towards National Diabetes Prevention Program by CDC.

Evidence based medical apps LLC is a New York, USA based CDC recognized organization that delivers evidence-based type 2 diabetes prevention program entirely online. PAL Software team helped EBMAPPS in building scalable iOS and Android mobile apps and web apps. App uses Microsoft Notification Hub to deliver inapp notifications and it's hosted on HIPPA compliant Microsoft Azure cloud platform.

Problem:

Prevalence: In 2015, 30.3 million Americans, or 9.4% of the population, had diabetes.

Cost of Diabetes: $245 billion: Total costs of diagnosed diabetes in the United States in 2012.

New Cases: 1.5 million Americans are diagnosed with diabetes every year.

Prediabetes: In 2015, 84.1 million Americans age 18 and older had prediabetes.

Easy to use, an intuitive and low-cost system is not available.

Challenges:

As a startup, EBMAPPS wanted to find a technology partner who is an expert in cloud, mobile technology and ready to come onboard with an open mind to share their knowledge and help in building the technology solution catering to all age groups. The client wanted to develop a state-of-the-art solution for prediabetics within their budget and time. The most significant concern was to create an easy to use and scalable mobile apps which can syncs data with physician dashboard. So that, a physician/ virtual coach can send in-app notifications to users.
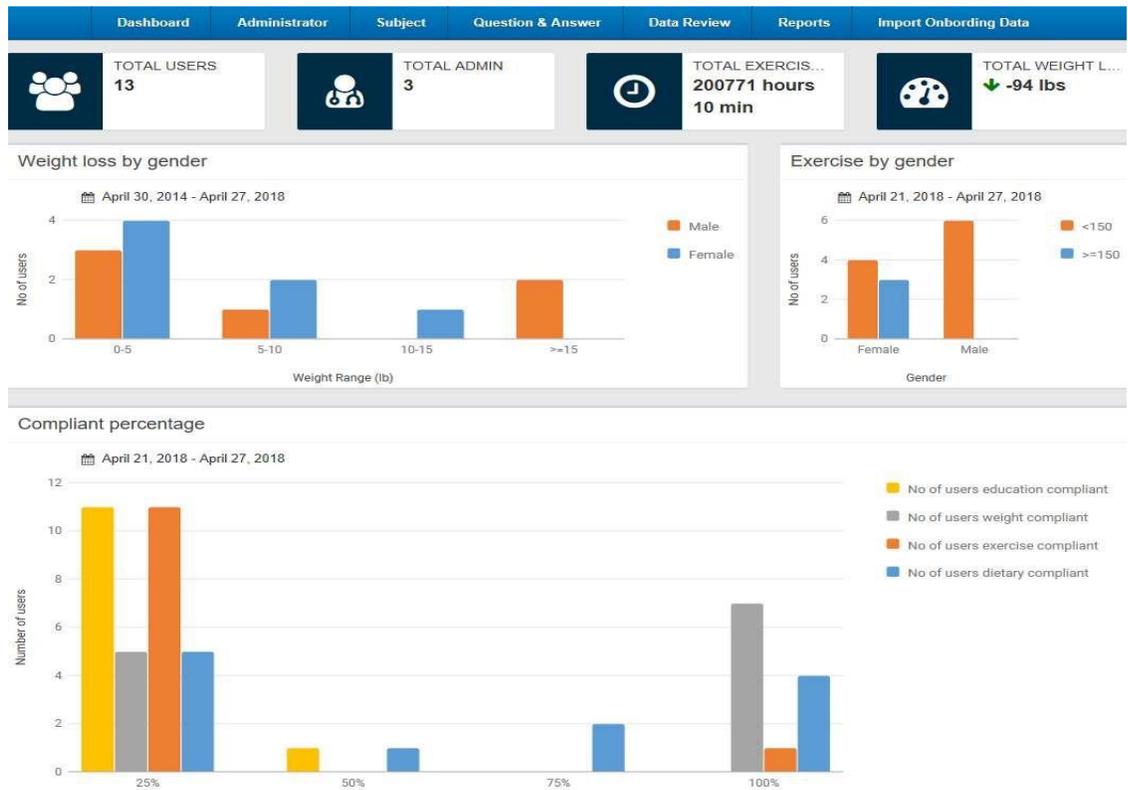
Solution:

The client engaged PAL Software as a strategic partner of choice for end-to-end software product development and delivery, including analysis, design, development, testing, and deployment of the solution to Microsoft Azure cloud and publishing apps to Google Play store and Apple Store. We used our Microsoft .NET expertise and product engineering and development methodologies. A mixed of waterfall/agile/scrum method was used to manage and deliver the project.

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Mobile App

Web App Dashboard

Technology Used:

Microsoft Azure Cloud, Azure Notification Hub, Cloud Storage, Cloud DB, C#, SQL Server, XCode, Android Studio

Results:

We delivered Azure cloud-based web apps that could support millions of users by allowing instant vertical and horizontal scaling of web applications and services. We utilized Microsoft Azure cloud-based Notification Hub that helps to push notifications to up to 5 million users simultaneously.

With this state-of-the-art application, users can use their mobile phones to record their daily dietary intake, physical activity, and weight. The system sends a mobile reminder notification to users to follow a healthy lifestyle and check their knowledge about diabetes, healthy diet, etc. by asking multiple-choice questions daily. Data entered by users get synced with physician dashboard and physician can send notification and alerts to users as and when needed.

About Cosmic Innovations Lab Inc:

Cosmic Innovations Lab Inc. is a technology consulting company based in New York, USA. We develop enterprise web and mobile applications using cloud, mobility, and analytics as core technology platform.

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