Case Study

eDOC- Website, Android & iOS Applications

Client's Business Challenge:

When our client eDOC approached us with an unique and noble idea of developing an online medical care scheduling service, providing free of charge medical care, search facility for end users by integrating information about medical practices and doctors' individual schedules in a central location; it was difficult to determine the accurate project requirements and potential features which will delight and involve the target audience.

eDOC Clinic is a medical domain project. Here user is registered as a patient by itself and can add dependent patients, such as Wife and Children etc. User can search the doctor and take the appointment in valid/available appointment slab. User is also able to cancel and reschedule appointments. eDOC is for website and mobile user, hence, is devolved in website and mobile app (ios, android), conceptualized and designed uniquely where users easily find great doctors and book instant appointments, chat with them online, order medicines, book lab tests, get personalised health tips and stores all your health records digitally so they are always with you.

Augmatiks Solution:

- AUGMATIKS Technologies developed an attractive, easy-to-navigate, searchable, interactive, dynamic application, shaping it from the scratch by handling every part of the development- design-testing process to make this innovative idea, a dream come true.
- The eDOC concept was entirely unique, and very challenging that our teams loved working on the project from the onset. The creative team works on providing a stunning user experience to the user on both website and mobile platform, while development teams looked after the technicalities and delivering a sound, flexible and performance-oriented platform and QA team inspect the quality of project.

Application Domain

Medical Domain
Website & App

Objective

Giving shape to an innovative idea in the form of application for Website, Android and iOS platforms which will be faster, lighter and user friendly. To deliver a feature rich app in lesser time and lower costs giving an extra ordinary user experience.

AUGMATIKS Development Solution:

To simplify and understand App better, it was divided in to various modules

❖ Frontend

1. **Users Login/Registration screens**
   - User registration & User login
   - Remember Me & Forgot Password.
   - Login with Social Media.
   - User Profile
   - Edit Profile
   - List of search doctor
   - Doctor brief information
   - Review & Rating of doctor,
   - Search doctor on Map by Pin code

2. **Doctor indexer**

   - Search Doctor.
   - Get location by GPS.
   - Doctor's clinic listing.
   - Doctors rating.
   - Booking slots.
   - Next availability date.
   - Book an appointment.
   - Reschedule an appointment.
   - Book Again
   - Cancel appointment
   - Add insurance info.
   - Add Patients info.
   - Past appointments.

3. **Future/Schedule appointments.**

Technologies Used

PHP

Java JDK 1.6

Android SDK 2.1 (min)

Objective C

My SQL

PHP for web services

Storyboards and Nib files editor

Services Provided

Requirements Analysis

Technology Architecture and Database Design

Solution Development in Agile

Day Night support

Testing and Maintenance

4. **Doctors Login/Registration screens**
    - Doctor profile page
    - Edit Profile & Manage Availability

5. **Manage Admin Panel**
    - Doctor & User profile
    - Manage all right of application & Admin Profile
    - Add Doctor & Add Patient
    - Edit/Delete Doctor & Edit/Delete patient
    - Custom Review & Ratings
    - List of Doctors & Patients

6. **Settings**

7. **Push Notifications**
    - Book appointment
    - Countdown timer(2 hour before appointment)
    - Cancel appointment

8. **Static pages**
    - Services info
    - Terms and Conditions & Privacy Statements
    - About Us & Career
    - Contact Us & Health Q&A

❖ **Backend**
    1. User Information
    2. Doctor profile
    3. Appointment information
    4. Engagement Table,
    5. Review & Rating information

Why AUGMATIKS?

Domain Expertise

Technical Expertise

Trained Professionals

Faster project execution using frameworks saving time and cost

Customer service first Mantra

90 % Client Retention

Flexible Delivery Models

Standardized

Processes

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Challenges: Synchronizing time between the users and Doctors sharing different time zones was an issue to manage. Also, designing custom push notifications, implementing better healthcare experience for millions of patients every month. Find doctors you love, read real reviews, book appointments instantly, handle performance of server on huge load every time were few of the things where our team had to go an extra mile to achieve.

AUGMATIKS Achievements:

AUGMATIKS was able to deliver a robust solution to the client which enabled him to achieve excellence and overcome challenges in his business. Some of the achievements made were:

❖ **Increased application speed:** When it comes to apps whether a mobile app or a web app, performance remains a critical issue. Our developers made it possible for this app by doing advanced caching within the app

❖ **Innovation in usual features:** Our developers did something very creative in the app by "Keep Track of your Physicians" and easily schedule follow-up appointments from your Medical Team homepage

❖ **Size reduction of app:** On a mobile where a user stores 100s of apps, app size is something which is very important. Developers made a suggestion to the client to reduce size and were given a consent to implement it, developers user image assets to reduce size of the application

❖ **Increased security:** Developers ensured additional security by encrypting all the data captured from users

❖ **Faster Notifications:** Stay on top of important checkups with Wellness Reminders, See open appointment times and book instantly and keep track of your medical calendar, No phone calls necessary, even for the same day bookings

❖ **Reduced Development Costs:** Augmatiks leveraged its frameworks, technical expertise, methodologies and domain knowledge in turn reducing overall development time and cost of the project. Augmatiks was able to deliver a robust solution to the client which enabled him to achieve excellence and overcome challenges in his business.

Client's Testimonial

"I recommend AUGMATIKS because they are focused, patient, understanding, and very fair. They went the extra mile to see me content and happy. Since I was a novice at coding, graphics and everything of else needed to put into a successful app, they worked with me through the entire process to deliver an app which not only offers an attractive yet simple to use GUI but is very fast and efficient too"