

Case Study



Grey Matter India
Technologies Pvt. Ltd.



Case Study

Web and Mobile Based Admission Portal for Students



Client Requirement

Education being one of the most important factors to be taken into the consideration for the better development of any country, client wanted to streamline the admission process for students. He came up with the idea of getting an education portal for foreign students who are willing to study in India. He approached to Brainvire and shared his idea with our professionals and we turned his idea into reality.

The basic requirement of client was to develop a mobile app for college search that helps foreign students to search and apply for colleges and courses in India. There are hardly any apps that has a list of colleges and courses systematically that students can access and apply. So, he thought getting such an app developed would help students to get a clear idea about the colleges in India and the courses offered by those colleges.

Client wanted specific features in the college search app.

- Dashboard
- Student Management
- Course Listing
- Query Management
- CMS Static Page Management
- Subscription Manager
- Institute Management
- Peer Management
- Reports
- Google Analytics

Project Challenges

Our professionals faced a few challenges during the development of this web based university search portal:

- To develop best college search mobile application and make it light
- To let data get saved in server (This is the ultimate challenge and its important so that if the internet connection goes away while students are filling up the form, the data remains saved and they don't have to re-fill the information.
- mobile app and web based university search platform synchronization
- Counselor list on the basis of College, country and course

Technologies Used

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|---|--|
| Operating System & Server Management | Red Hat Linux OS, iOS, Android, Multi-Server Architecture Production Environment through Version Controlling releases, Server Optimization, Security & SSL Implementation, Server Performance Tuning at regular intervals, Software Firewall Configuration & Maintenance |
| Development Tools & Environments | Angular, Bootstrap, Node JS, Phone Gap Cordova, C#, IOS SDK, Android SDK, Windows SDK, AJAX, HTML5, JavaScript, CSS3, MVC 4.0, .Net Framework 4.0, ASP.Net, SharePoint, etc. |
| Database | My SQL Database, HTML5 Local Storage Database Server, MSSQL Database Server(Web), DB Clustering, DB Optimization, Mongo DB, Master Slave Replication, Query Optimization, Scheduler for Backups |

Manpower

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|------------------------------------|---|
| Tech/Architecture Leader | 1 |
| Graphic Designers | 2 |
| Sr. software developer (Phone Gap) | 1 |
| Sr. software web developer | 2 |
| Quality Leader | 2 |

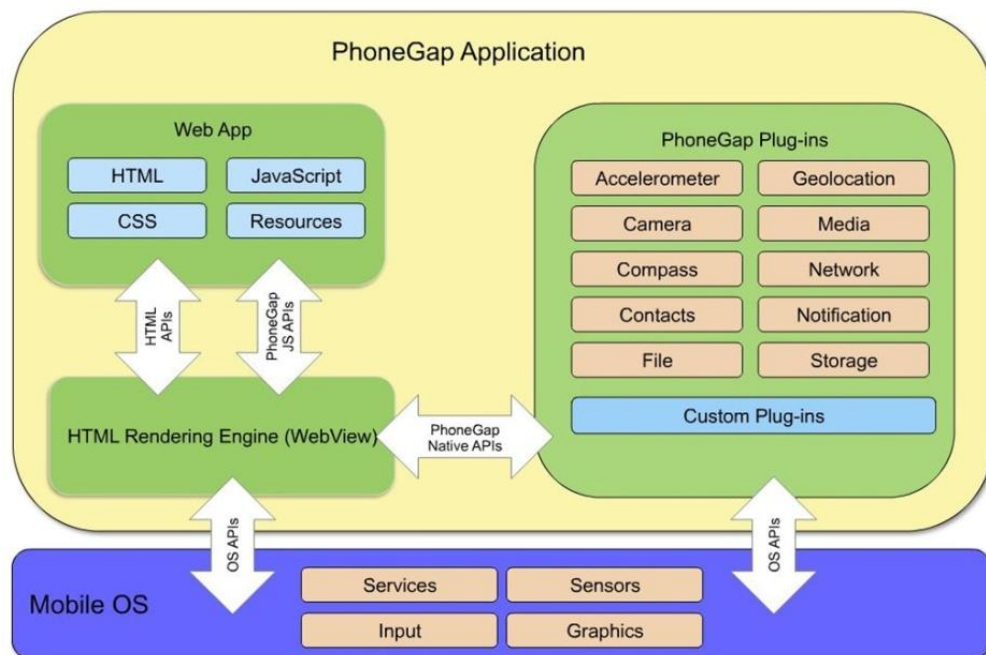
Planning

Once client discussed all the requirements with our team, we decided to make a step by step process for the successful development of this college and university search portal for students. Our highly qualified designers, developers and project leader decided to design the web and mobile based platform for students as well as institutes in such a way that all the features as given by client get incorporated into the platform. Institutes can add courses in to the system after getting registered; students can search and apply for the courses. Apart from that, admin can do the complete management of institute and student data; getting revenue through subscription model.

Architecture

Taking into the consideration the features of this central admission portal for foreign students, our developers decided to go with Symfony and PhoneGap architecture...

PhoneGap Architecture





Development Highlights

- Revenue through subscription model
- List of counselors on the basis of country, college and course
- Can find friends in same college on social media
- Project duration: in 16 weeks