

# Case Study



Grey Matter India  
Technologies Pvt. Ltd.



## Case Study

**Mobility Solution for Personal Security and Medical  
Emergency**



## Client Requirement

There are a few things which are unavoidable and not in our hands. Well, medical emergency is one of them. However, as per the research, most people panic in such situations, as they go clueless. They don't know what to do and how to react in such a situation; which is exactly why our client thought of getting a mobile app developed which can serve as a blessing during such medical emergencies.

The client requirement was to build cross platform mobile application for personal security system. He wants a system which can help people during medical emergency. He wants the application to have emergency contacts and that too in such a way that users can manage them. Also, he wants that users can manage lockbox details, account statistics as well as location. They should also be able to receive SMS and e-mails during emergency. Admin should have the access to app usage reports, user controls and CMS controls.

### **The specific requirements of this medical mobile application were:**

- Profile update
- Add Family members / Friends Accounts
- Manage Emergency Call List
- Manage Notification for Alarm
- Edit Vial of Life Location
- Access to all the emergency contacts
- Change lockbox code

## Project Challenges

### **Team faced the following challenges:**

1. Fully compatible app with Android as well as iOS devices.
2. Same source code maintenance for Android as well as iOS platforms
3. UI that looks great in all resolutions
4. Communication with companies who made API

## Technologies Used

<b>Operating System &amp; Server Management</b>	iOS, Android, , Multi-Server Architecture with Staging & Production Environment through Version Controlling releases & Maintenance
<b>Development Tools &amp; Environments</b>	PhoneGap Cordova, AJAX, Java Script, HTML5, CSS3, Angulajs, Bootstrap, jQuery

## Manpower

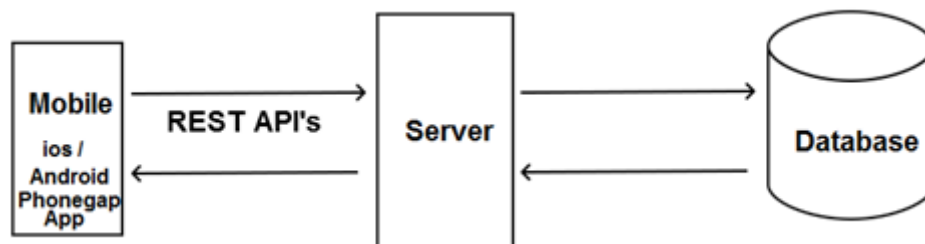
Project leader	1
Developers	2
Designers	1
QA	1

## Planning

Whether the requirement is to develop a website or app from scratch or customize the existing ones, our highly skilled and experienced developers start the project with planning, always! A successful mobile app needs proper planning and execution. So, our team of expert designers and developers considered all the requirements of clients and then planned the implementation of features and functionalities in the required timelines. They formed strategies to complete the development of Android and iOS mobile application for personal security system successfully in the preferred deadline in order to provide complete client satisfaction.

## Architecture

Considering the client requirements, app features and possible challenges for medical emergency mobile application development, the team decided to use N tier architecture with REST API integration architecture...



## Highlights

- Contact management
- Can receive SMS and e-mails during medical emergency
- View the location
- Admin access to app usage reports, CMS controls and admin user controls.
- View account statistics