

**Faster, More Efficient, And More Convenient Method Of Communication And
Organization In Hospitals And Medical Facilities.**

Tagline: All hospital records at your fingertips

The app is going to address the problems which arise within the administrative work associated with the public medical system and provide useful information to the public regarding medical outlets such as clinics. It will consist of an account system which will enable each user to have their own private account and for communication between accounts. Medical personnel will have a special type of “Professional” account with extra security which will allow them to have access to otherwise inaccessible information on the app. The app will allow access to a database for organization and storage of medical records and forms used by medical facilities and allow for quick and easy access to them for those with the Professional accounts. This will reduce paper trails left by the day to day operations of the hospitals and reduce the amount of time spent looking for such records. It will also reduce the amount of storage space needed within hospitals. This app assumes that there is first a digital database of the medical records and forms from the hospital already in place. The app does not create the database but displays it in an easy-to-use format on a mobile device. The app will allow for easier scheduling of appointments through the app and faster admission into hospitals by allowing patients to send information prior to arrival.

Furthermore, the app will keep a record of appointments, past and present ailments, medical conditions (such as asthma), allergies, test results, and prescriptions and organize them into a quick and efficient database. This will be useful for doctor visits as patients often either do not remember this kind of information or neglected to bring it which slows down the treatment process. The app will also feature an alert system which will notify the user when things such as their test results, x-ray scans or prescriptions are ready to be collected. This will eliminate the common problem of patients going to collect them and they are simply not ready yet. Another similar problem which will be addressed by the app is that many people do not know the operating hours of their local clinics. The app will address this problem by providing a list of all of the clinics in the country, their operating hours, the schedules for each medical professional available there, when a specialist may be available and so on. This will improve the efficiency of

clinics nationwide. The app will also contain a messaging service to facilitate communication between users. As well as being a generally useful service, it will allow patients to communicate cheaply with medical personnel. The messages will be similar to emails in that they will be sent to an “inbox” and remain there until disposed of manually. This will address the problem people being unable to contact medical personnel.

The app is unique in its rounded approach to the betterment of the medical system. Many other apps deal with only a small aspect of the medical profession, fixing only a small piece of the problem. Most deal with the public acting as an encyclopedia of medical facts and information, or as a means of communication between patients and doctors. They focus mostly on the public. This app improves the system from the side of the medical personnel improving the efficiency of the outdated filing system and providing access to patient information quickly. However, the app also deals with the public providing the opening hours of clinics and making it easier to form an appointment. There are no other apps which so holistically address the issues in the medical service. Also the app is specialized to meet the needs of St. Vincent and the Grenadines and so can be adjusted accordingly.

The app is expected to be used by all medical personnel on a day to day basis to assist in common everyday tasks. However, it will also assist persons who have an ongoing illness or condition requiring lots of medical care, the elderly who require more medical attention than most people, anyone who has a close relationship with a particular medical practitioner and anyone who takes routine trips to the clinic for general wellbeing or for check-ups.

For operation, the app will require a server in which to store all of the medical files and some form of extra security to differentiate a regular account from a Professional account. This would be best provided by the government to ensure security. The app would work best if the hospitals had some form of computerized system in place, to which the app could connect.

Written example:

Patient A suspects he may have an illness. He uses the app to find a clinic nearby, sees the opening hours, and schedules an appointment from the app. Doctor B receives a notification from the app that Patient A has scheduled an appointment with him. Doctor B reads the notification to get the date and time of the appointment. On the day of the appointment, Patient A and Doctor B meet at the appointed time. Patient A describes his symptoms. Using the app Doctor B accesses Patient A's medical records for more information. Doctor B, based on the information provided, gives a diagnosis. Doctor B uses the app to review Patient A's medical history to check if Patient A is allergic to any medications. He then prescribes a medicine and uses the app to notify a pharmacy. Patient A's app automatically updates to say that he has a prescription. A few days later the app notifies Patient A that his prescription is ready. Patient A collects his prescription.

Presented by: Jeaniel Ibrahim, Akeel Alexander, Luc Telemaque, Christian Friday, Darion Cole

Group: SCGSVGS of St. Vincent Grammar School

Copyright protection

©Ave & Godwin Friday

Jamil & Lina Ibrahim

Sebastian & Dollis Alexander

Gilbert & Brenda Telemaque

Douglas & Jean Cole

