

# HEALTHCARE ++

CSC COIN PROJECT  
DOCUMENTATION

Done by  
Lokkeshwaran J & Margret Kanimozhi  
SSN College of Engineering



## PROJECT DESCRIPTION

The purpose of this Project is to create a application for hospitals to showcase the Telecare concept for their patients. This application enables the Patient to get attached to the Hospital when they are outside like Home/Office. This Application serves all the basic needs of the patients like maintaining consultation reports, Booking appointments with doctor, paying bills online, and also efficient search for hospitals and near by pharmacy when needed. And it also has healthy notification facility to alert the patients about important schedules and reminders. Thus this project provides a complete Hospital Telecare facility to patients.



# PROJECT DETAILS

This Healthcare ++ Application provides the basic Hospital Telecare facilities to patients, which includes the following features like

- Maintaining personal health records which is accessed via Biometric authentication.
- Helps in booking appointments with Doctor , also provides notifications about the scheduled appointments.
- Provides healthy remainder about scheduled Drugs as well as remainders to refill medicine.
- Helps in recording patients symptoms like blood sugar, BP, fever, pain, headache, body pain etc.
- Helps in ordering Refill medicine when the patient is near by and also enables to make online payments which is authenticated by Biometrics.
- Provides a efficient search of nearest Hospitals and Pharmacy using Mobile GPS.

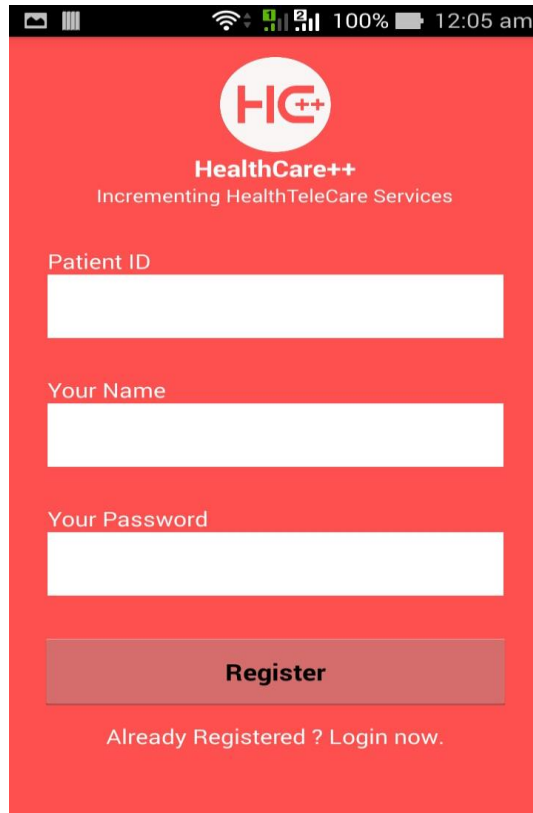




# HEALTHCARE++

## ANDROID APP

## REGISTRATION & LOGIN



HealthCare++  
Incrementing HealthTeleCare Services

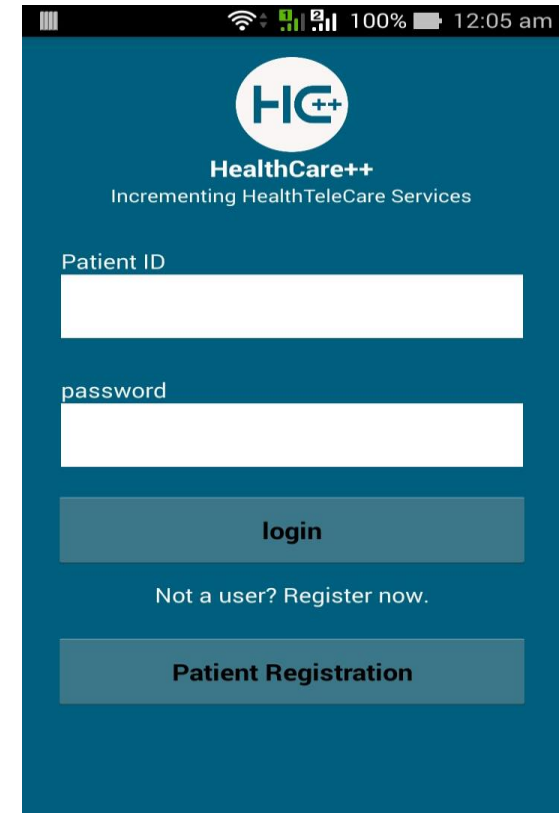
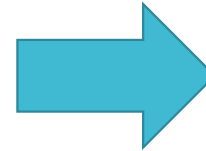
Patient ID

Your Name

Your Password

**Register**

Already Registered ? Login now.



HealthCare++  
Incrementing HealthTeleCare Services

Patient ID

password

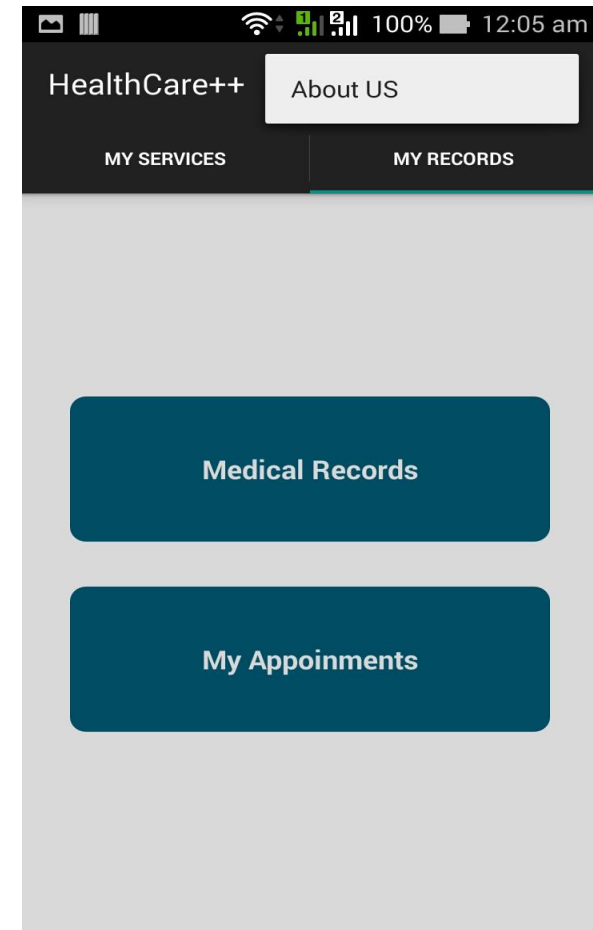
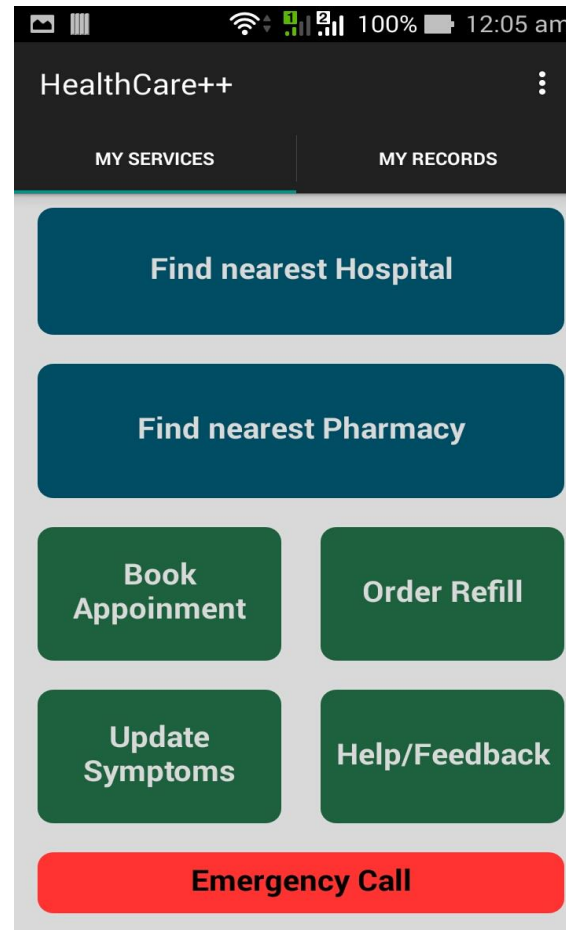
**login**

Not a user? Register now.

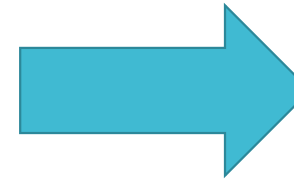
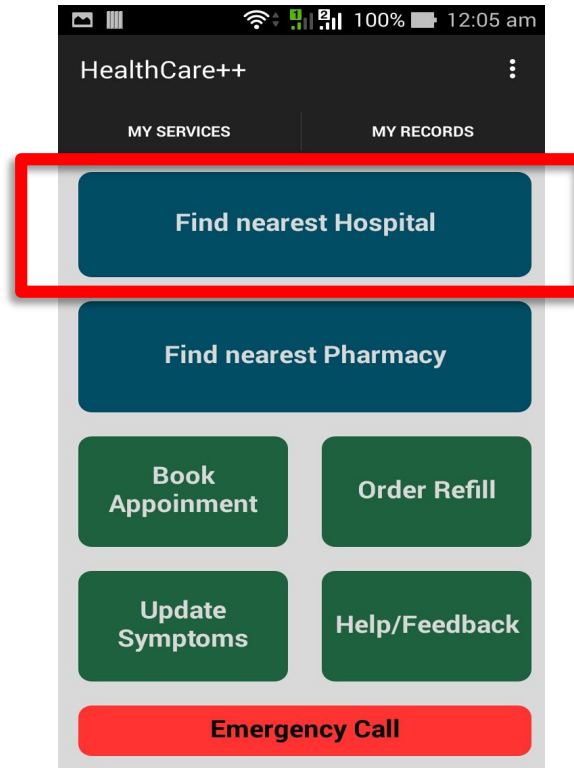
**Patient Registration**

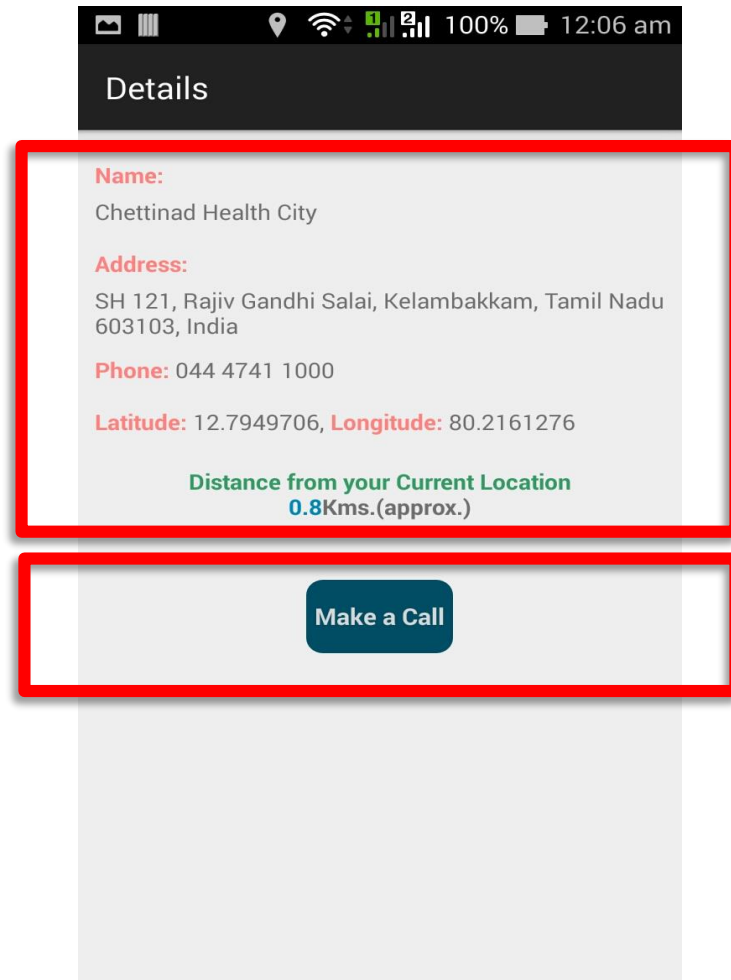
For Testing Purpose  
Patient ID : **1234** Password : **lok**

## BASIC User Interface



## Viewing Near by Hospitals



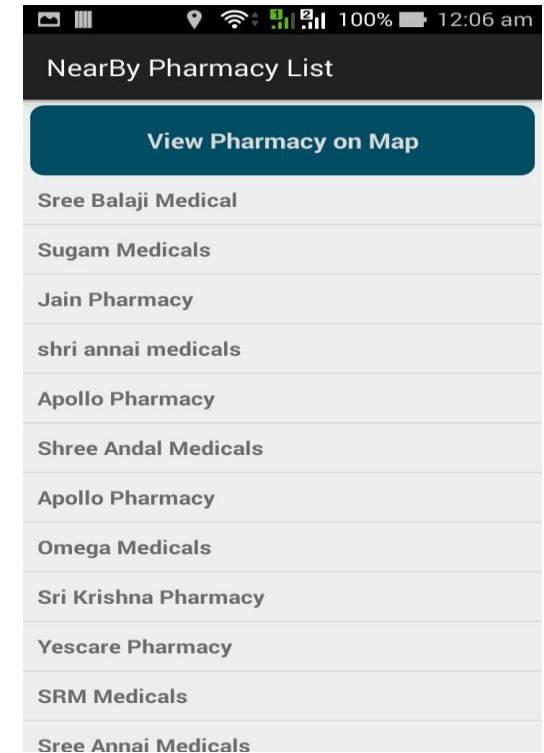
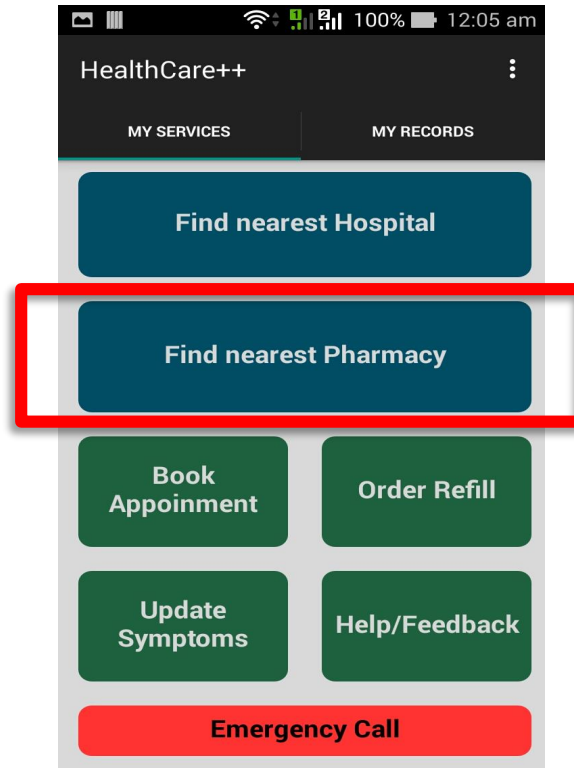


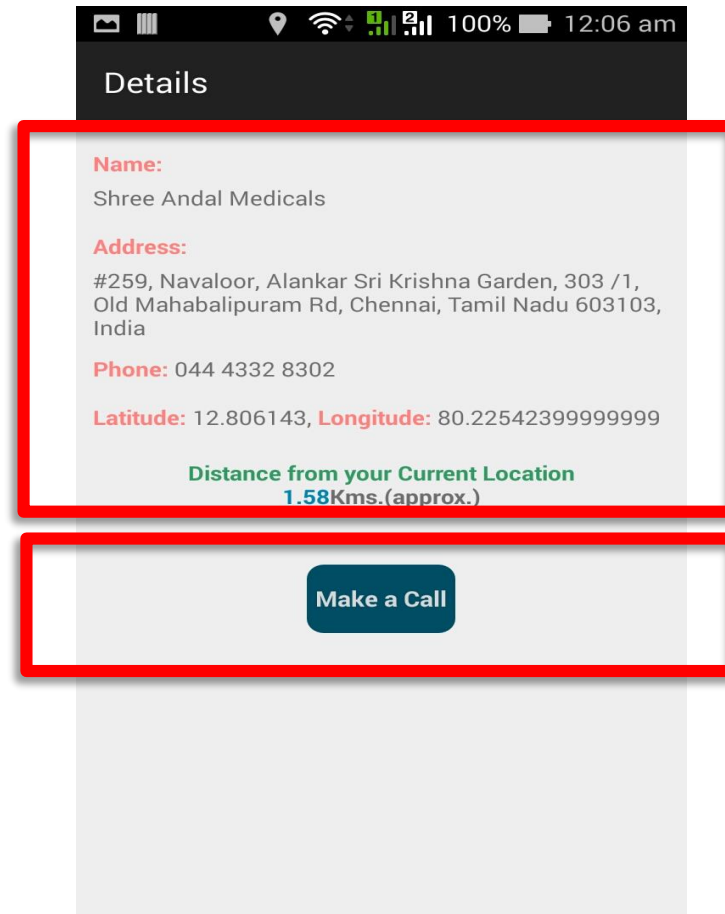
Hospital Details with Approximate Distance Calculations from current place.

Make a Call Option to Directly make a call to the Hospital.



## Viewing Nearby Pharmacy

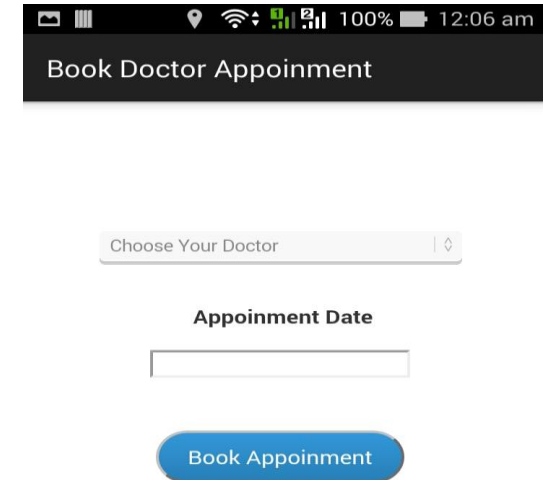
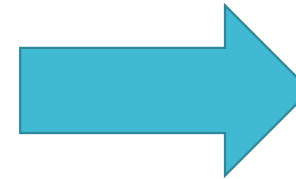
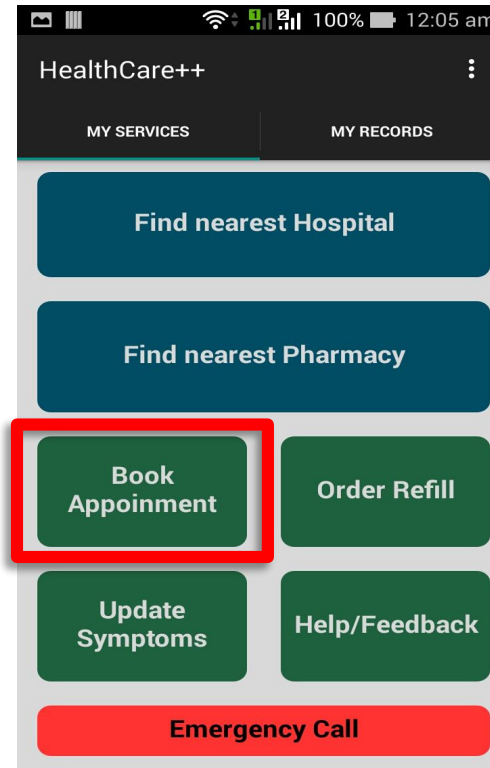




Pharmacy Details with Approximate Distance Calculations from current place.

Make a Call Option to Directly make a call to the Pharmacy.

## Booking Doctor Appointments





Book Doctor Appointment

Choose Your Doctor

- Dr Ramesh Kumar ( Anesthesiology )
- Dr Popwell ( Cardiologists )
- Dr Lokkesh( Chiropractors )
- Dr Reddy Roa ( Dermatologists )
- Dr Angali ( Epidemiologist/Infections )
- Dr Sabastein ( Gastroenterologists )
- Dr Hussain ( Neurologist )
- Dr Siva Ganesh ( Oncologist )
- Dr Segutuvan ( Orthopedics )
- Dr Seethalakshmi ( Pediatricians )

Book Doctor Appointment

Dr Sabastein ( Gastroenterologists )

Appointment Date

06/10/2016

Book Appointment

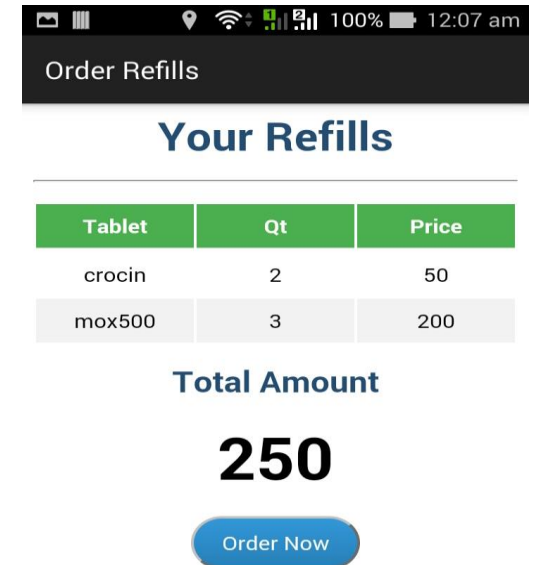
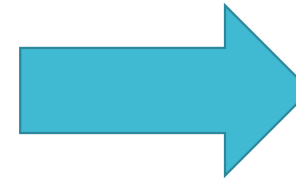
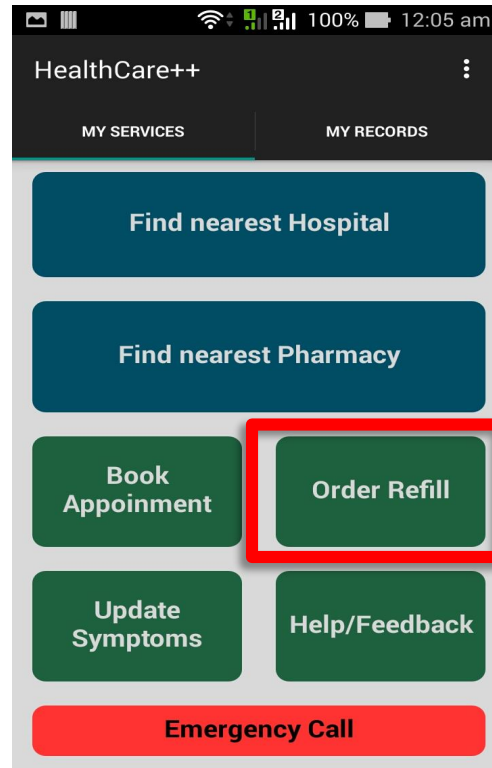
Book Doctor Appointment

Appointment Booking  
Successfull.

A green circular icon with a white checkmark inside, indicating a successful appointment booking.

Patient chooses the Doctor Name and Appointment Date. On submit the Appointment is booked and details are recorded in the hospital database.

## Ordering Refills Online





Order Refills

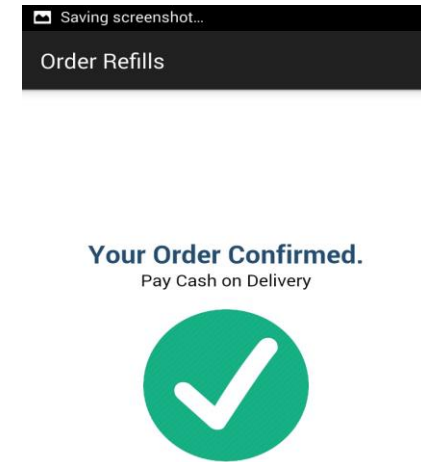
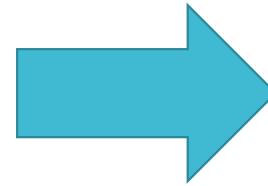
**Your Refills**

Tablet	Qt	Price
crocin	2	50
mox500	3	200

**Total Amount**

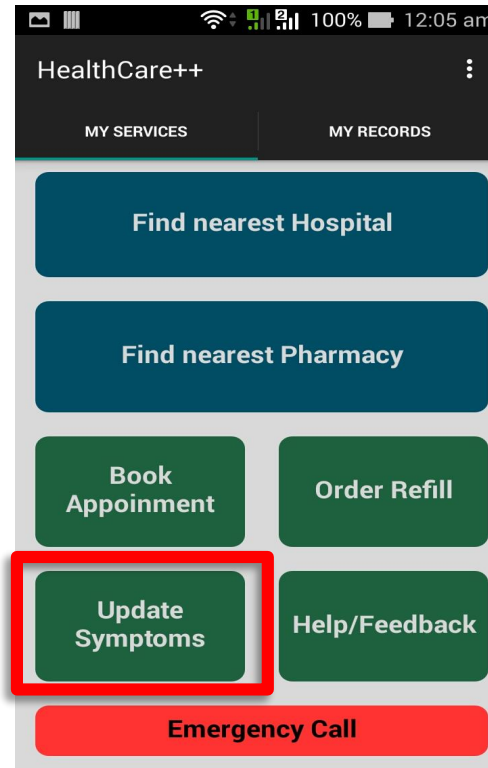
**250**

Order Now



The Refill for specific Patient ID is listed. On Clicking “ **Order Now** ” the order for the Refills will placed and will be notified to the user.

## Updating Symptoms



The 'Record Symptoms' screen shows a form for entering symptom data. The status bar at the top indicates 100% battery and 12:08 am. The form includes a 'Choose Date' section with a date picker set to '06/01/2016', a 'Set Time' section with a time picker set to '1:00am', and a 'Symptoms' section with a text input field containing 'Fever with cold.'. A blue 'Submit' button is at the bottom.



Record Symptoms

Choose Date

06/01/2016

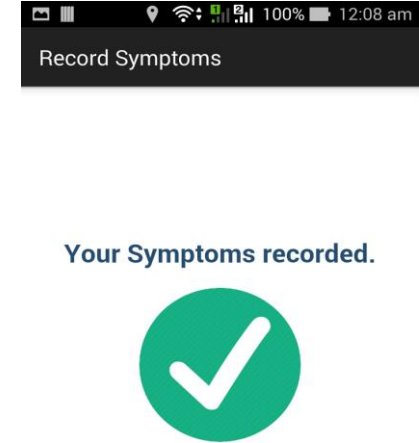
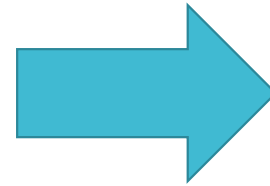
Set Time

1:00am

Symptoms

Fever with cold.

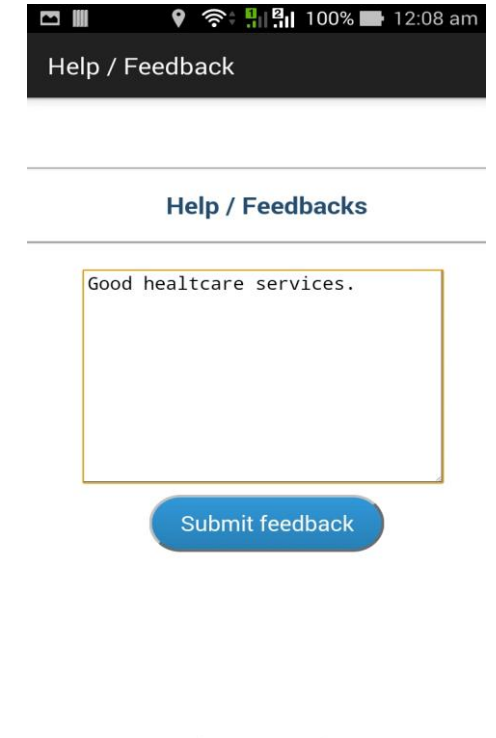
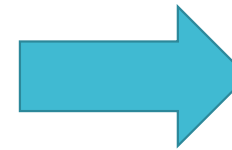
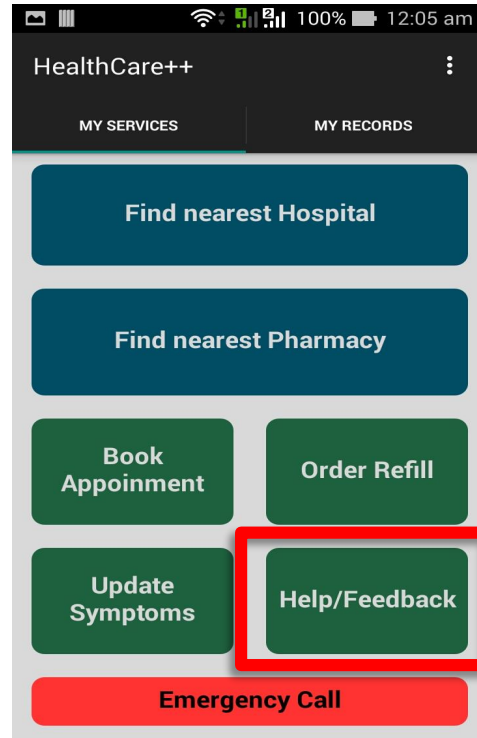
Submit



Patients records his/her **symptoms** with Date and Time.

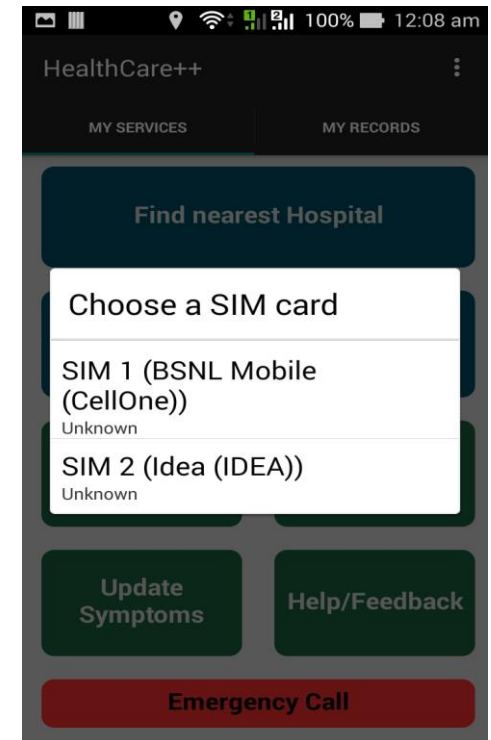
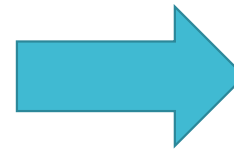
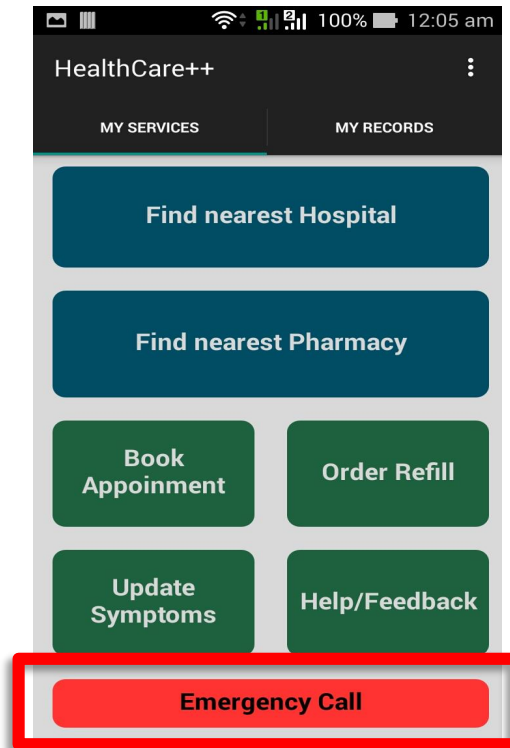


## Help / Feedback System



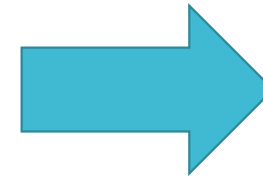
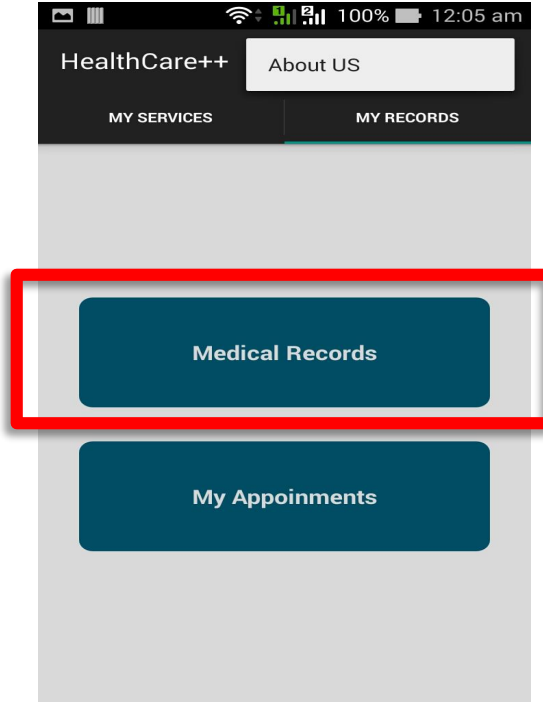
Patients Records the **Feedback** of the Services.

## Emergency Call



Here it makes a **emergency call** to the prescribed number.

## Listing Patients medical Records

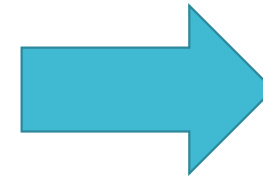
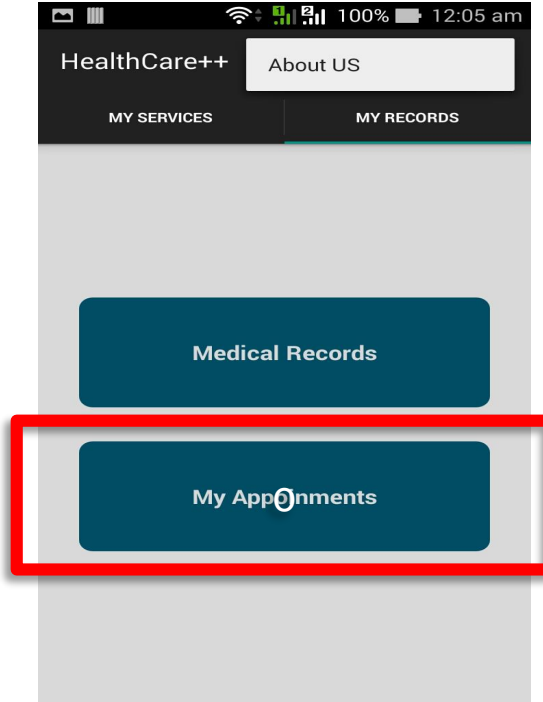


The screenshot shows the 'My Medical Records' screen. At the top, there's a status bar with signal, Wi-Fi, and battery icons, and the time 12:08 am. Below the status bar, the title 'My Medical Records' is displayed. A 'Click to Refresh' link is below the title. A table lists medical records with columns for Doctor, Date, and Summary. Each row has a 'view' link in the Summary column.

Doctor	Date	Summary
Dr Ramana	05/12/2015	<a href="#">view</a>
Dr Ramesh	22/05/2016	<a href="#">view</a>

Here it Lists the Complete Medical Records of the Patient. The Summary link gives the Complete Record information.

## Listing Appointments Made by the Patient

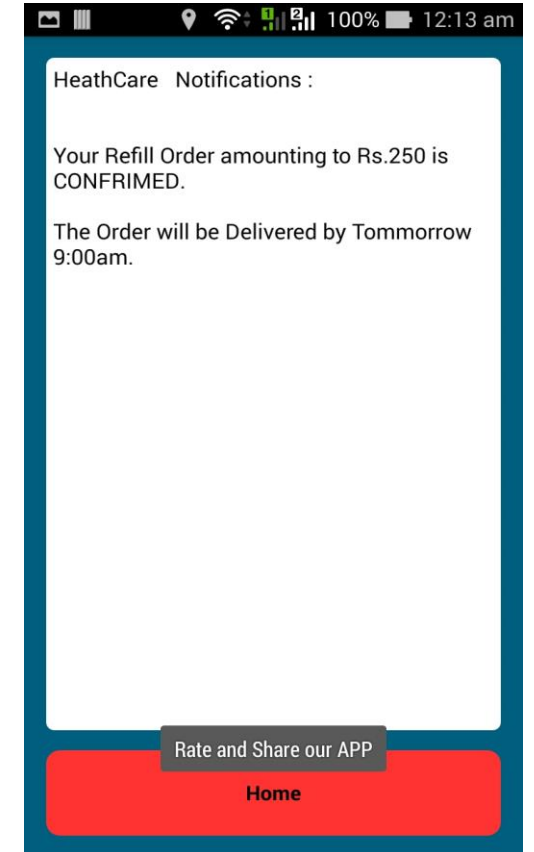
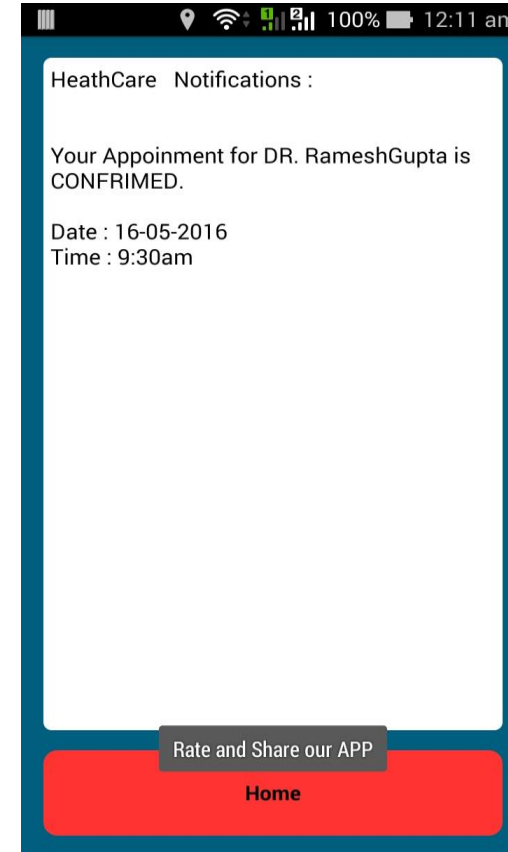
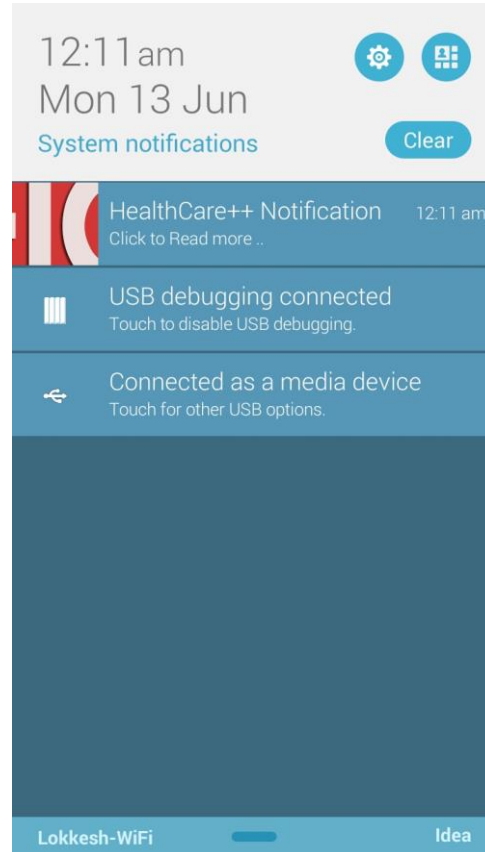


The screenshot shows the 'Booked Appointments' screen in the HealthCare++ mobile app. At the top, there's a status bar with signal, Wi-Fi, and battery icons, and the time 12:09 am. Below that is a header with 'Booked Appointments'. Underneath the header is a link 'Click to Refresh'. Below the link is a table with three columns: 'Doctor', 'Date', and 'Status'. The table contains six rows of appointment data.

Doctor	Date	Status
Dr Siva - Onco	06/22/2016	Pending
Dr Sabastein - Gastro	06/10/2016	Pending
Dr Angali - Epidem	06/09/2016	Pending
Dr Popwell - Cardio	06/08/2016	Pending
Dr RameshKumar - Anesthe	06/04/2016	Pending
Dr Siva - Onco	06/15/2016	Pending

Here it Lists the Complete Medical Records of the Patient. The Summary link gives the Complete Record information.

## Receiving Push Notifications



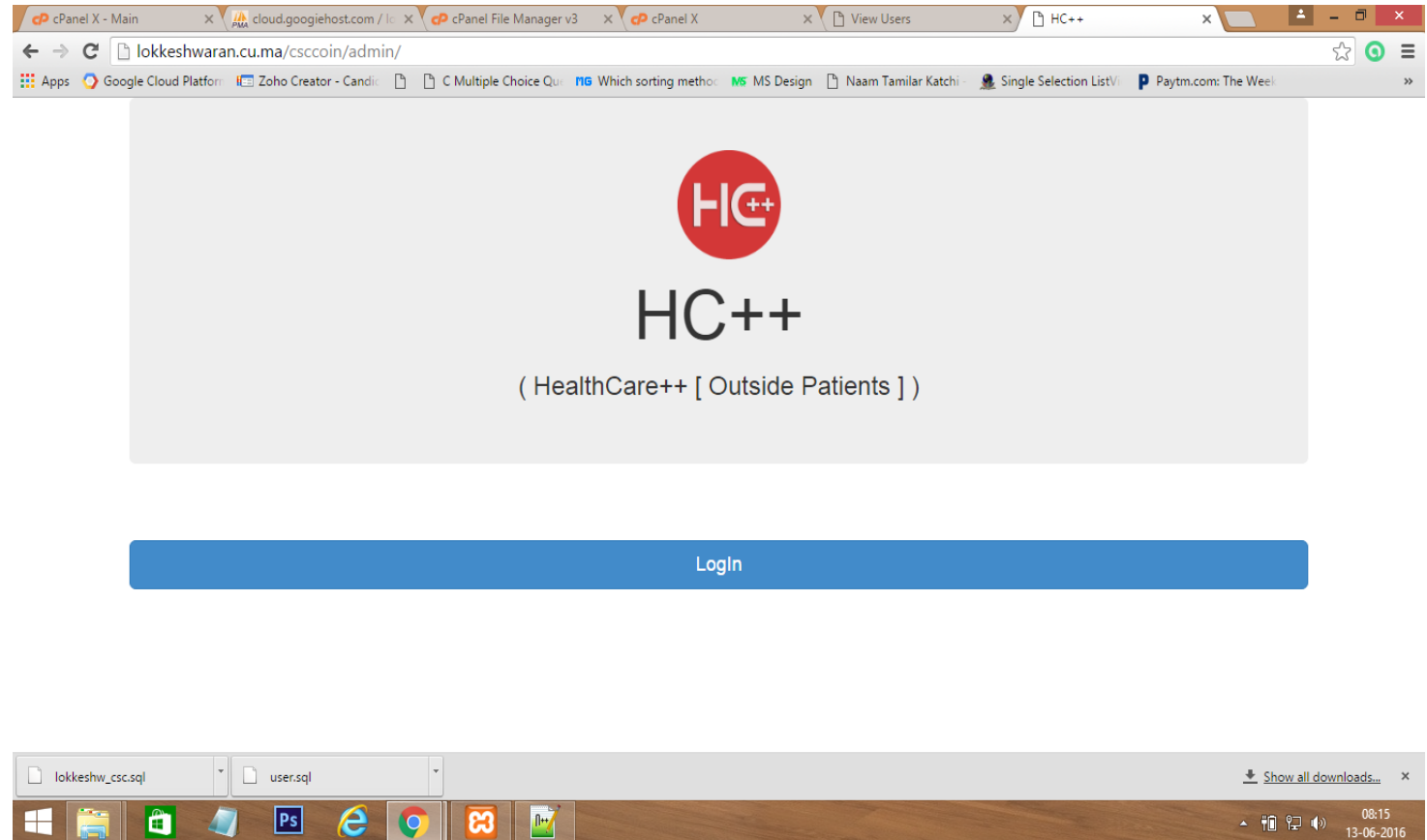
HC++ App is Configured with Push Notification Services.

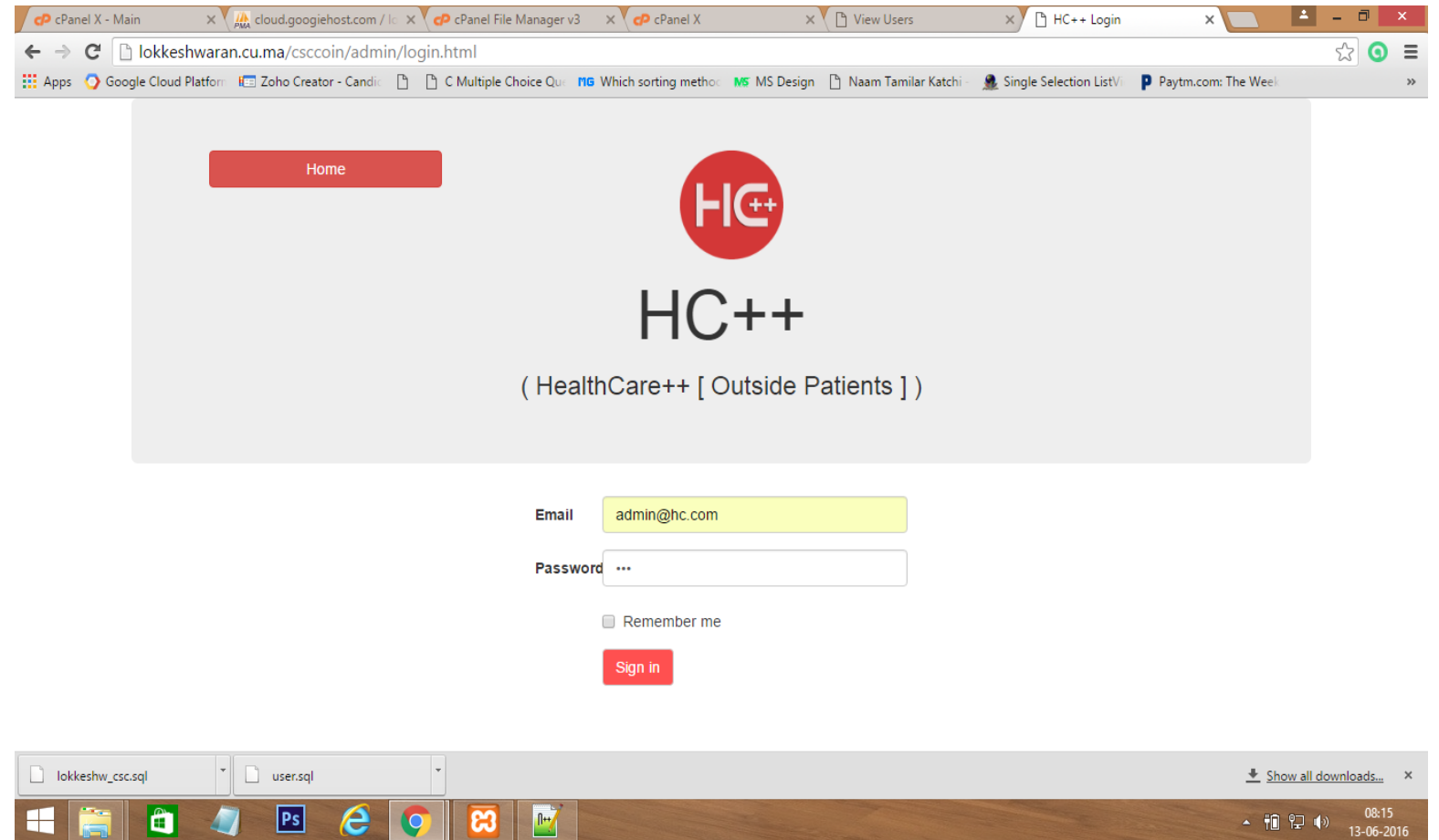


# HEALTHCARE++

## ADMIN PANEL

## Logging into Admin Panel.

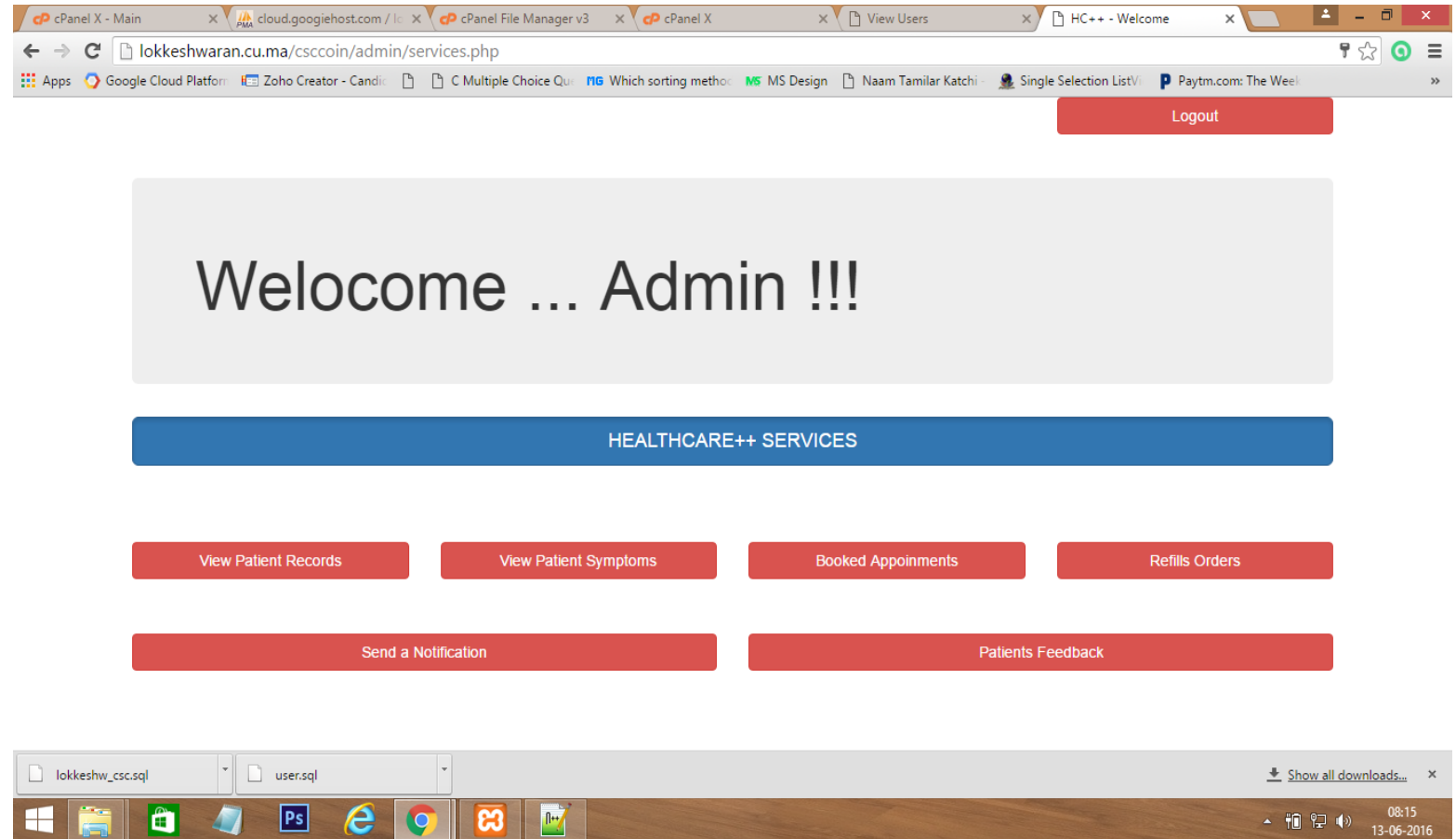




For Testing Purpose  
Email: **admin@csc.com** Password : **csc**



## HealthCare++ Services



The screenshot displays the 'HC++ - Welcome' page of a web application. The browser's address bar shows the URL `lokkeshwaran.cu.ma/csccoin/admin/services.php`. The page features a large grey box with the text 'Welocome ... Admin !!!' (note the typo). Below this is a blue bar labeled 'HEALTHCARE++ SERVICES'. A grid of red buttons provides navigation: 'View Patient Records', 'View Patient Symptoms', 'Booked Appointments', 'Refills Orders', 'Send a Notification', and 'Patients Feedback'. A 'Logout' button is located in the top right corner. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 08:15 on 13-06-2016.

Logout

Welocome ... Admin !!!

HEALTHCARE++ SERVICES

View Patient Records View Patient Symptoms Booked Appointments Refills Orders

Send a Notification Patients Feedback

## Viewing Patient Medical Records

The screenshot shows a web browser window with multiple tabs. The active tab is titled "Medical Records" and displays the URL `lokkeshwaran.cu.ma/csccoin/admin/viewmrecords.html`. The browser's address bar shows a list of search engines and bookmarks. The web application interface has a light gray background. At the top, there are two red buttons: "Logout" and "Back". Below these buttons is a red circular logo with the text "HC++" in white. Underneath the logo, the text "Patient Medical Records" is displayed in a large, black, sans-serif font. Below this text, there is a form with the label "Patient ID" and a text input field containing the number "1234". Below the input field is a red button labeled "View Records". At the bottom of the browser window, there is a taskbar with several icons, including the Windows Start button, File Explorer, Google Chrome, and others. The system clock in the bottom right corner shows the time as 08:15 on 13-06-2016.

Logout Back

HC++

Patient Medical Records

Patient ID

1234

View Records



Medical Records

[Click to Refresh](#)

Doctor	Date	Summary
Dr Ramana	05/12/2015	<a href="#">view</a>
Dr Ramesh	22/05/2016	<a href="#">view</a>

lokeshw\_csc.sql user.sql Show all downloads...

08:15 13-06-2016

The Patient Medical Records corresponding to the Patient\_id given is Listed

## Viewing Patient Symptoms

The screenshot shows a web browser window with multiple tabs. The active tab is titled "lokkeshwaran.cu.ma/csccoin/admin/viewsymptoms.html". The browser's address bar shows the URL. The page content includes a header with "Logout" and "Back" buttons, a red circular logo with "HC++", and the title "Patient Symptoms". Below this is a form with a label "Patient ID" and a text input field. A red "View symptoms" button is positioned below the input field. The browser's taskbar at the bottom shows various application icons and the system clock indicating 08:16 on 13-06-2016.

Logout Back

HC++

Patient Symptoms

Patient ID

View symptoms

lokeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016



lokkeswaran.cu.ma/csccoin/admin/symptoms.php

### Patient Symptoms

[Click to Refresh](#)

Patients_ID	Date	Time	Symptoms
1234	06/15/2016	4:00am	Fever with cold
1234	06/15/2016	2:30am	Dengu fever.
1234	06/15/2016	5:45am	Cold with cough.
1234	06/01/2016	1:00am	Fever with cold.

lokkeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016

The Patient Recorded Symptoms corresponding to the Patient\_id given is Listed

## Viewing Booked Appointments

lokkeswaran.cu.ma/csccoin/admin/appointments.php

Booked Appointments

[Click to Refresh](#)

Patients_ID	Doctor	Date	Status
125	Dr Lokkesh( Chiropractors )	06/14/2016	
123	Dr Siva Ganesh ( Oncologist )	06/14/2016	Pending
1234	Dr Siva - Onco	06/22/2016	Pending
1234	Dr Sabastein - Gastro	06/10/2016	Pending
1234	Dr Angali - Epidem	06/09/2016	Pending
1234	Dr Popwell - Cardio	06/08/2016	Pending
1234	Dr RameshKumar - Anesthe	06/04/2016	Pending
1234	Dr Siva - Onco	06/15/2016	Pending

lokkeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016

## Viewing Refill Orders

lokkeswaran.cu.ma/csccoin/admin/rorders.php

Refill Orders

[Click to Refresh](#)

Patient_ID	Order Amount	Order Details
1234	250	<a href="#">view</a>
1234	250	<a href="#">view</a>
1234	250	<a href="#">view</a>
1234	250	<a href="#">view</a>
1234	250	<a href="#">view</a>

lokkeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016

## Sending Notifications to Patients

lokkeswaran.cu.ma/csccoin/viewusers.php

Select patient\_ID to whom you want to send a Notification.

SELECT ALL ☐

Id	Patient_ID	Send Message?
1	mom	<input type="checkbox"/>
2	lok	<input type="checkbox"/>
3	mm	<input type="checkbox"/>
4	1234	<input type="checkbox"/>
5	1000	<input type="checkbox"/>

Type your message

Send your Notification to your Patients

Send Notification

lokkeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016



## Viewing Feedbacks

Feedbacks

[Click to Refresh](#)

Patient_ID	Feedbacks
1234/	Good Service and On Time Delivery System.
1234/	Good service. Need some updates.
1234	Excellent service.
1234	Good health care facilities.
1234	Good healthcare services.

lokeshw\_csc.sql user.sql Show all downloads...

08:16 13-06-2016



### **APK & Source Code**

<https://github.com/CSC-ORG/Hospital-Telecare-for-Patients-outside-Hospital-Premises->

### **Google Drive Link for Project files**

[https://drive.google.com/open?id=oB8Z\\_pxjWxBOtfIJkN2FGUkx6SzRvdllsUW9QMUQzRGZNSWxqYnhhaUxMX3ltaFM3OGFvelU](https://drive.google.com/open?id=oB8Z_pxjWxBOtfIJkN2FGUkx6SzRvdllsUW9QMUQzRGZNSWxqYnhhaUxMX3ltaFM3OGFvelU)