**HealthTrack Contact Tracing Medical Application**

C 2021

**USER MANUAL**

*Android Mobile Application*

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# General Information

General Information section explains in general terms the HealthTrack Contact tracing and medical application overview and the sections of the user manual.

## 1.1 Application Overview

HealthTrack is a COVID-19 contact tracing and medical application that can be used to limit the spread of the coronavirus through contact tracing, test booking, vaccination booking, medical appointment, and medical history record.

HealthTrack was developed by a student at Griffith College, Ireland.

## 1.2 Organization of the Manual

This usual manual consists of the following sections.

1. General Information
2. System summary
3. How to Download and Install the Application
4. User Privileges
5. Main functions of the App

# 2.0 System Summary

System summary section explains the hardware and software requirements for accessing HealthTrack application and the various users access levels.

## 2.1 Hardware and Software requirements

This application requires a smart phone or tablet with android operating system (OS) to function. The application supports most android version and will avail all the features in the application.

To download and use the functionalities of HealthTrack, requires an internet connection.

## 2.2 User Access Levels

There are three types of roles in the HealthTrack application.

1. User
2. Healthcare Admin
3. System Admin
4. **User**

The user or end user is one who can access the HealthTrack application after registering in the application and can fully use various functions of the application such as locate hospitals, book for COVID-19 test, book for vaccination, view medical history, and receive medical test results.

1. **Healthcare Admin**

The Healthcare or Hospital Admin is one who can access the HealthTrack application after registering in the application by completing the registration form and have been approved by the System Admin as a licensed healthcare provider.

1. **System Admin**

The system Admin is one who uses the application without registering in the application. The System Admin is created by the Software developer manually. The role of the system Admin involves approving hospitals, view contact tracing logs, post media messages and view hospital logs.

# 3.0 How to download and install the application.

HealthTrack can be downloaded through the Google play store and the application landing page.

* 1. Google Play Store

Step 1. Open Google play store on your mobile application by clicking on the play store Icon.

Step 2. Click on the Google play search bar and type “HealthTrack”.

Step 3. Click on the HealthTrack icon from the search bar, proceed to click on the “INSTALL” button to install the application to your device.

# 4.0 User Privileges

A user of the HealthTrack application can use the following features:

* Registration
* Login
* Locate Hospital
* Locate Test/Vaccination Centers
* View Appointment Calendar
* Book For COVID-19 test/ Vaccination shot.
* View Medical history
* Activate Contact Tracing
* Chat Forum
* View/Download Test Results
* Contact Us
* FAQs

## 4.1 Registration (User)

Step 1. Launch the application by clicking on the HealthTrack icon on your mobile device.

Step 2. As soon as the application is launched, the Application Homepage will be displayed which shows registration, Login, and other features of the Application. Click on Registration.

Step 3. On the registration portal, fill the form displayed with your correct personal information and click Submit.

Step 4. The message “Registration is Successful” will be shown after you click the submit button if your registration was successful. If there is any incomplete information, you will be prompted by the System.

## 4.2 Login (User)

A User who has completed his registration can Login to the application to use all the user’s feature.

Step 1. Launch the HealthTrack application, after the application has been launched, you will be shown the homepage of the Application.

Step 2. On the Homepage of the Application, click on “Login” and fill in your correct credential.

Step 3: Click on “Lets Go” to complete login. If the login was successful, the User dashboard will be displayed. If the Login was not successful, error 404 or Login failed will be displayed.

## 4.3 Locate Hospital.

The locate Hospital feature is available in the User dashboard.

From the User Dashboard, click on “Locate Hospital”. A list of all available registered Hospital will be displayed.

## 4.4 Locate Test/Vaccination Center

The locate Test Center feature is available in the User dashboard. From the User Dashboard, click on “Locate Test Centers”. A list of all available test center will be displayed.

The Test Centers are listed in Three Categories:

1. Government
2. Private
3. Corporate

## 4.5 View Appointment Calendar

A user can view booked medical appointment from this application. The Appointment Calendar feature stores medical appointment details like the appointment ID, Date/Time Appointment was booked.

To view medical appointment, click on “Appointment Calendar” from the user dashboard.

A list of all appointment booked will be displayed along with the appointment details such as time/date.

## 4.6 Book For COVID-19 test

COVID-19 test booking can be done from the user dashboard. A user can book for COVID-19 test from the various list of hospitals available in the Application.

Step 1.

To book for COVID-19 test, the user must be logged in and from the user dashboard click “COVID-19 Booking”.

Step 2. On Clicking COVID-19 Booking, you must select what you are booking for. The two option is either to book for a COVID-19 test, or to book for a COVID-19 Shot.

Next reserve a date for the test or vaccination shot and select a test center from the drop down list which consist of available test/vaccination centers. Click on submit to proceed with the booking.

Step 3. Fill the form in the next page by providing your personal information and click submit.

Step 4. Choose a Payment method to complete your booking.

You can either pay with:

1. Pay with Card.
2. Pay with bank transfer.
3. Pay with USSD.

Select the preferred payment method, complete the required information, and click “Proceed” to complete your booking. An email notify will confirm if your payment was successful.

## 4.7 View Medical History

Users of this app will be able to view their medical history. Such information will be uploading by the healthcare Admin only after they attended an appointment, were diagnosed, tested, or treated for all ailments. Details of their appointment will be uploaded, which they can view from their dashboard and share with other medical facilities as at when required.

Step 1. Login to the User portal.

Step 2. To view medical history, from the User dashboard click on “Medical History”. A detailed medical history of the patient will be displayed each by the date of their medical appointment.

## 4.8 Activate Contact Tracing

Contact tracing works on the background and user may not necessarily see the data it collects. However, when the application is opened, user will be prompted to turn on their location and Bluetooth to enable to application connect to other application within their vicinity.

Step 1. Open the HealthTrack application, turn on Bluetooth/location when prompted.

Step 2. Navigate to the User Dashboard and click “Activate Contact Tracing”.

When contact tracing is activated, it searches for nearby devices who uses the HealthTrack application and stores the necessary data.

Step 3. Click to deactivate contact tracing as at when desired.

Note: After contact tracing has been activated, it stays active even when the app is minimised. Contact tracing must be deactivated manually.

## 4.9 Chat Forum

User of this application will be able to share their COVID-19 experience and any other medical information via the chat forum.

From the user dashboard, click “Chat Forum” to post a message or view messages posted by other users.

## 4.10 View/Download Test result

Test results uploaded by health centers, Test centers, or hospitals can be view from the user’s dashboard. To do this:

Step 1. Click on “View/Download Test result” from the User dashboard.

Step 2. Select the Test you wish to view and click to download the test.

Test results can only be viewed or downloaded only after it has been uploaded by the Healthcare Admin.

## 4.11 Contact Us

For further enquiry, difficulty in using this application, error in bookings, or suggestions, Users can contact the admin through the email or numbers provided. Users will also be able to get more information on the FAQs page.

# 5.0 HealthCare Admin Privileges

Healthcare admin will be able to use the following functions.

* Registration
* Login
* View and complete Bookings/Appointments
* Upload Patient record
* Chat Forum
* Activate the Contact tracing notification.

## 5.1 Registration

Step 1. Launch the HealthTrack application from your device.

Step 2. As soon as the application is launched, the Application Homepage will be displayed which shows registration, Login, and other features of the Application. Click on Registration.

Step 3. On the registration portal, fill the form displayed with your correct personal information and click Submit.

During registration, HealthCare Admin may be required to fill in the services their facility offers.

Step 4. The message “Registration is Successful” will be shown after you click the submit button if your registration was successful. If there is any incomplete information, you will be prompted by the System.

Note: Users of this application who register as Hospitals, test/vaccination centers, or other medical facilities will be approved by the System Admin. The HealthCare Admin will be able to view their dashboard after registration and login, but they will not be able to perform certain functions such as financial transactions or uploading of patients record or test results until they are approved by the system Admin.

## 5.2 Login (HealthCare Admin)

HealthCare Admin who has completed his registration can Login to the application to use the HealthCare Admin feature.

Step 1. Launch the HealthTrack application, after the application has been launched, you will be shown the homepage of the Application.

Step 2. On the Homepage of the Application, click on “Login” and fill in your correct credential.

Step 3: Click on “Let’s Go” to complete login. If the login was successful, the HealthCare Admin dashboard will be displayed. If the Login was not successful, error 404 or Login failed will be displayed.

## 5.3 View and Complete Bookings/Appointments

Bookings or medical appointments are requested by Users or patient using HealthTrack User dashboard. After a user schedules an appointment, the Healthcare Admin will still have to complete the booking. This can be done by:

Step 1. From the HealthCare Admin Dashboard, click “View Active Bookings”.

Step 2. View Displayed bookings from Users, and click on complete Booking, to complete the users booking.

The User receives a notification that his appointment or booking was successful.

## 5.4 Upload Patient Record

After a patient’s appointment, tests, or prognosis, The Healthcare Admin will upload details of their appointment which the user can view from their dashboard.

From the dashboard click “Upload Patient record”. Fill the patient record form and submit. This record can be edited or updated after submission.

## 5.5 Chat Forum

Healthcare Admin will be able to share their COVID-19 experience and any other medical information via the chat forum.

From the Healthcare Admin dashboard, click “Chat Forum” to post a message or view messages posted by other users.

## 5.6 Activate the Contact Tracing notification

Other users of this application who may have been in contact with an infected person or a person whose test result reads positive for COVID-19 will be notified when the healthcare Admin chooses the positive to COVID-19 button when uploading a user’s result. If a user’s result is negative, no action is carried out, but if the result is positive, people who have been in contact with the positive case will be notified. To activate the contact tracing notification:

Step 1. Click “View Active booking”

Step 2. Complete a user’s appointment or booking.

Step 3. Click on Upload Results

Step 4. In the Upload result page, select from the option if the result is positive or negative.

Step 5. Click Submit.

# 6.0 System Admin Privileges

The System Admin will mainly perform system duties such as is required. The role of the system Admin involves approving hospitals, view contact tracing logs, post media messages and view Hospital/User lists.

The system Admin is also responsible for technical assistance to users and Healthcare Admin. The system admin will also be able to create other admins.