HEALTHCARE APPLICATION USING REACT-NATIVE

A Report for the Evaluation 3 of Project 2

Submitted by

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SCHOOL OF COMPUTING AND SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

Certified that this project report **"HEALTHCARE APPLICATION USING REACT-NATIVE"** is the bonafide work of "**SHASHANK BARANWAL (16SCSE101853/1613101669)"** who carried out the project work under my supervision.

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ABSTRACT

This project deals with the Corporate Medicare Management. This project is very helpful to both Medicare staff as well as to the public. All the branches of the Medicare can be integrated with one to another. So anybody can get the status of each branch easily from the Medicare center. People can take appointments online by approaching the application of Medicare Center and Medical Stores. That application also includes Information about the Facilities, Specialties available in every Medicare Branch. So they can also send their problems about their health and get some useful tips from the doctors.

1. INTRODUCTION

1.1 Overall Description :

This project deals with the Corporate Medicare Management. This project is very helpful to both Medicare staff as well as to the public. It is having mainly Administration and Client modules. The growing quality demand in the hospital sector makes it necessary to exploit the whole potential of stored data efficiently, not only the clinical data, in order to improve diagnoses and treatments, but also on management, in order to minimize costs and improve the care given to the patients.

- **HOW IT WORKS?**

The injured person clicks the image of the wound, and then the application processes the image, and gives the precautions, and treatment that needs to be taken care of at that particular time. It even tells the medication that is required for the healing purpose. And then it consults the doctors whose data has been given in the particular app, and then the doctor guides about the wound that is it minor or major or what needs to be done now.

1.2 PURPOSE

- We are employing mobile technology in several healthcare projects for leading global organizations.
- This tool is constructive for:
    - Making women aware of their rights to demand good quality of care,
    - Bringing accountability by highlighting lapses in the health delivery process, and,
    - Increasing uptake of appropriate health services at the right venues.

    With improved healthcare quality the overall standard would be improved.

1.3 Problems

- **Confidentiality of Data**:

  Every app, related to healthcare or not, contains and collect some sort of data from the users. In the case of health apps, they generally comprises of data which is more sensitive. This may include, but not limited to information monitoring, health readings, diagnosis, or other vital stats of an individual.

- **Security:**

- **Difficulty for Users**

  Just like the doctors, patients also turn away from applications of mobile healthcare solutions that are complex and difficult to use. Unintuitive and hard to comprehend digital products add to the frustration of the patients instead of easing things for them.

- **Clearance of Image**

- **Scanning of the Image**

- **Integration with Existing IT System :**

  For taking the healthcare app to a different different, it is important to have interoperability. It can be defined as the ability of health information system to work in collaboration within/across the organizational boundaries.

1.4 SCOPE

There are also few features which can be integrated with this system to make it more flexible. Below list shows the future points to be consider:

- Directly getting the images for CT Scan or X-Rays from connected device
- Mapped with Insurance Companies for claim processing
- Billing of patients
- Blood Bank Information Management
- Producing ECG using connected device
- Video Conferencing facility for remote areas for treatments
- Hangout for different doctors and patients at different locations

- Better Clinical Decision-Making

- Improved Accuracy

- Increased Efficiency

1.5 MODULES

- Admin Modules

- Patients Modules

- Doctor Modules

- Medical Store Modules

2. <u>LITERATURE SURVEY</u>

- Recent years have seen an increased adoption of smart- phones by healthcare professionals as well as the general public. The smartphone is a new technology that combines mobile communication and computation in a handheld-sized device, facilitating mobile computing at the point of care.

- The main objective of this study is to classify the smartphone-based healthcare technologies in the literature according to their functionalities and summarize them in each category. We present a systematic literature review in this regard. To the best of our knowledge, this study is the first study for classifying and summarizing healthcare applications for smart- phones in a systematic literature review format.

- The healthcare system is highly mobile in nature, involv- ing multiple clinical locations such as clinics, inpatient wards, outpatient services, emergency departments, oper- ating theaters, intensive care units (ICUs), laboratories, etc..

- As such, working in the healthcare system requires extensive mobility of healthcare professionals as well as communication and collaboration among different individuals, including their colleagues and patients. Healthcare professionals mainly communication until the wide availability of cell phones in 1990s.

- The advent of mobile Personal Digital Assistants (PDAs) during 1990s enabled healthcare professionals to organize their contacts and calendars electronically, adding another device in their pockets. The combined functionality of a pager, a cell phone and a PDA is now replaced by a single device called a "smartphone", which is becoming very popular among healthcare professionals as well as the general public.

- Instead, it's become necessary to develop methodologies for mining distributed data that must remain private.1 In addition, being able to get the right information at the right time (with respect   to real-time business intelligence, for example) is an important business strategy in today's highly dynamic market.

- Smartphones can also be applied in the process of diagnosis and treatment using software application. A simple smartphone application for eye-care professionals is a visual acuity test. For example, EyeChart is an iPhone application that includes the Snellen eye chart to measure visual acuity.

- The main stakeholders in the healthcare process are healthcare consumers (patients). Consumer-oriented care, where patients are directly involved in the process of care, will greatly improve the healthcare process. Technology can play key roles in consumer-oriented healthcare (for example, making information accessible to consumers, integrating consumers' preferences into HISs, remote monitoring, communication, etc.), which is studied in a branch of medical informatics called Consumer Health Informatics (CHI).

- The management of diseases with chronic conditions is very costly. For example, the report published in the 2011 National Diabetes Fact Sheet by the Centers for Disease Control and Prevention (CDCP) of the U.S. Department of Health and Human Services demonstrated that about 25.8 million people in the U.S. (8.3% of population) have diabetes and the estimated national cost (direct and indirect) of diabetes was 174 million dollars in 2007.

3. <u>PROPOSED SYSTEM</u>

4. EXISTING SYSTEM

My main proposal for developing this application was that when the baby falls, bruises, bites, and mosquito bites, allergies, infections, sweating, etc., with the help of this application we treat everything can do. This application will scan all these treatments and will tell you the present wise, you will tell all these things as percent wise what has happened to you, then after that you can directly contact your doctor or medical store. And can get treatment.

4. EXISTING SYSTEM

- Integration of Corporate Medicare centers is very difficult
- In most of the cases the database is similar from one hospital to another hospital.
- Lack of generic and unique model we have to implement the same set of data model for every newly established Medicare Center.
- It is very difficult to analyze the usage percentage of hospital resources, Bed occupation Ratio, Administration, Laboratory information even in a single center
- There are so many application is there which is using scanning and all likes thermal scanning , image processing etc.

5. <u>IMPLEMENTATION</u>

5.1 Software Requirements

Software Requirements deal with defining software resource requirements and pre-requisites that need to be installed on a computer to provide optimal functioning of an application. These requirements or pre-requisites are generally not included in the software installation package and need to be installed separately before the software is installed.

- To build such an application, Swift for IOS and Java for Android gives native experience.

- **App Development**: Visual Studio

- **Languages**: react-native, react.js, adobeXD

- **Database**: MySQL

- **Hosting**: Amazon Cloud

5.2   Hardware Requirements:-

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatibility and sometimes incompatible hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirements **:**

- Minimum 2GB RAM Mobile
- Android kitkat or upto higher version

6. <u>PROPOSED MODEL</u>

6.1 Use Case Diagram:
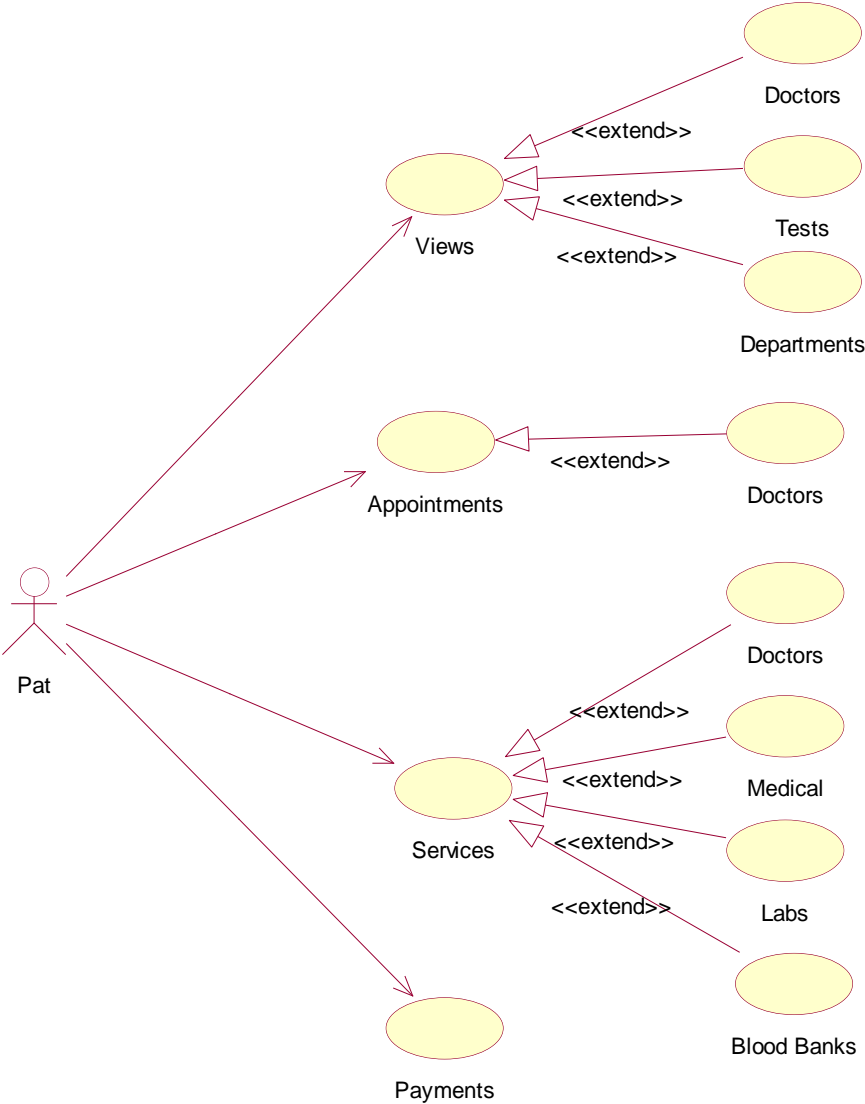
7. <u>Output / Result / Screenshot</u>

- Front page

- Sign In or Create an Account Page
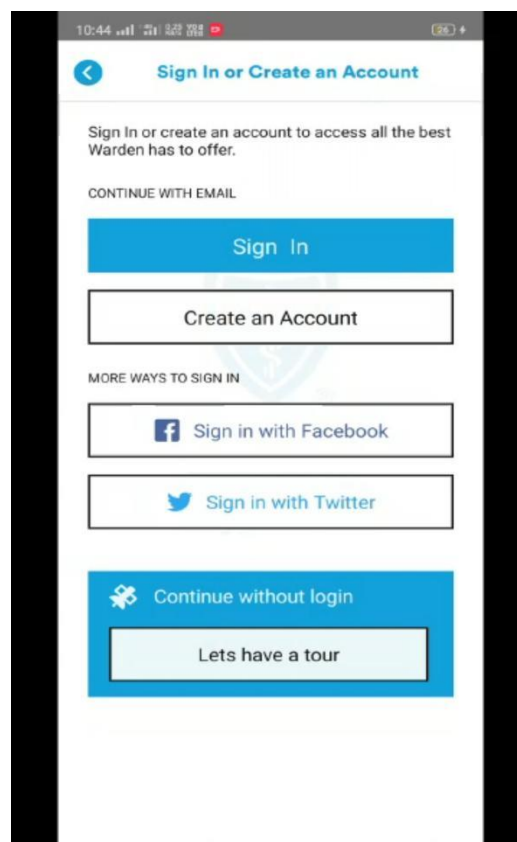
- Create an account page

- Sign In Page

- Camera page
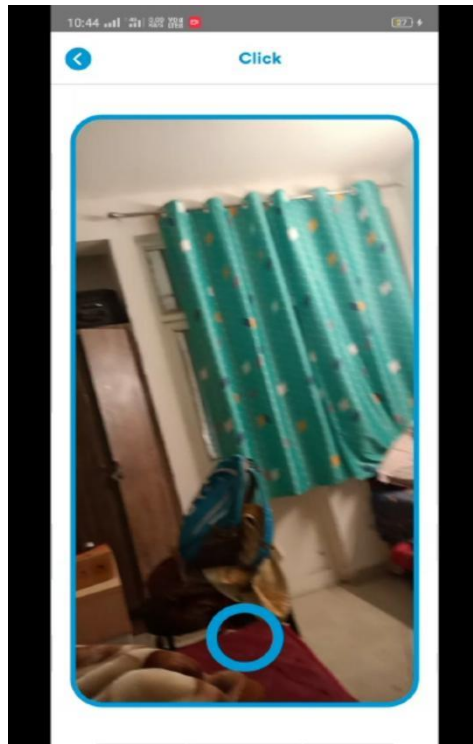
- Dashboard
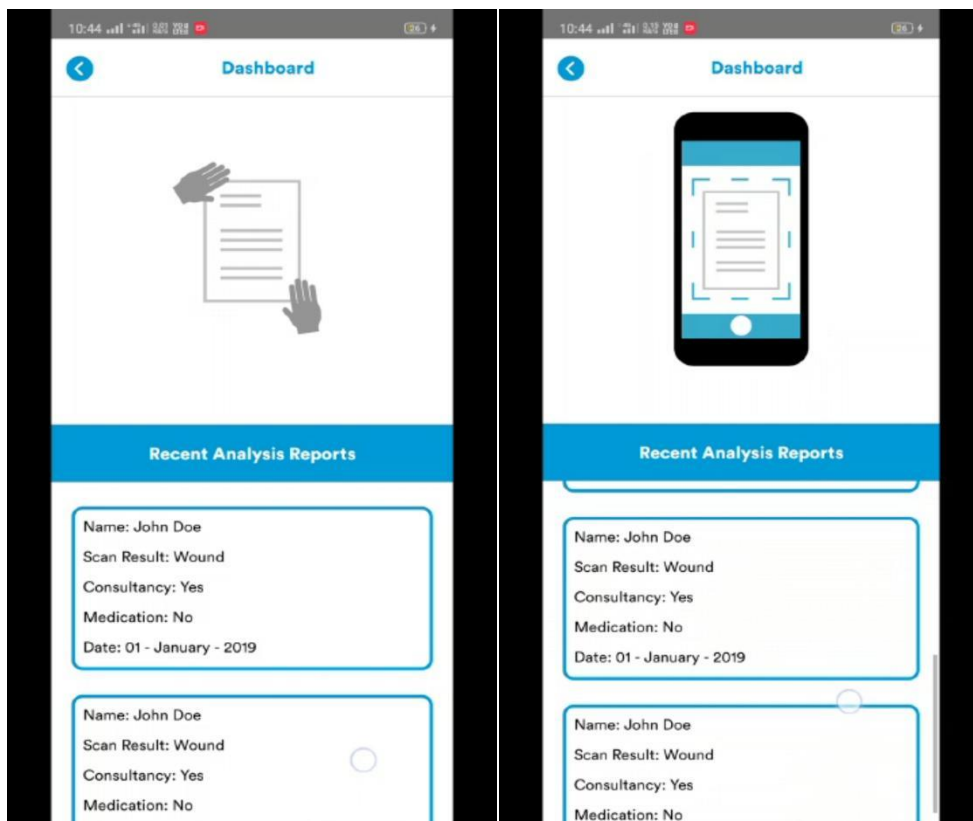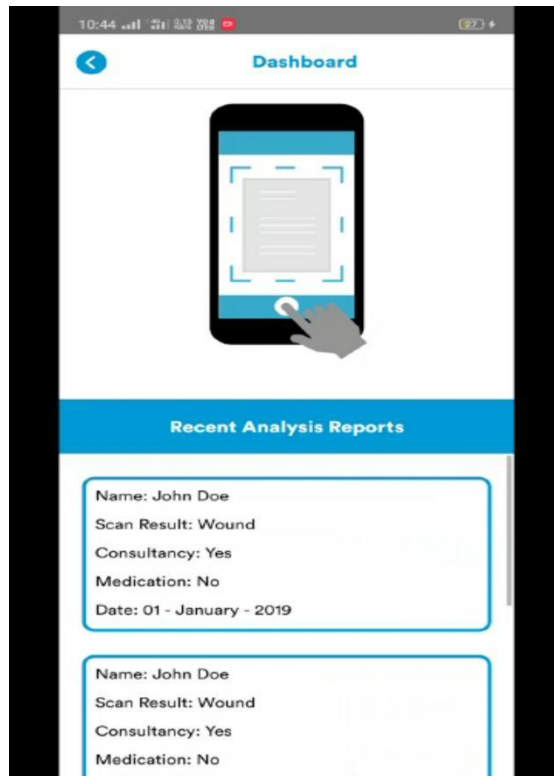
- Report Page
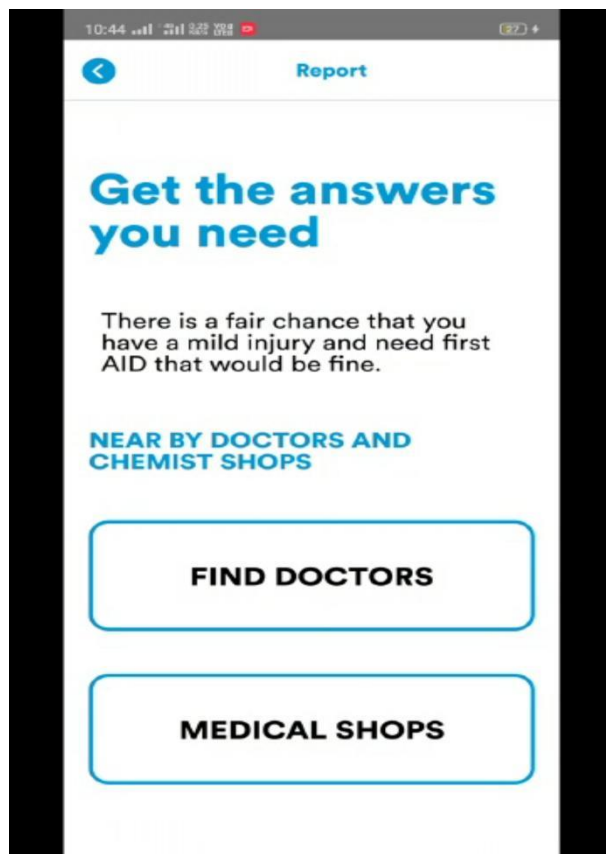
- Doctors List Page
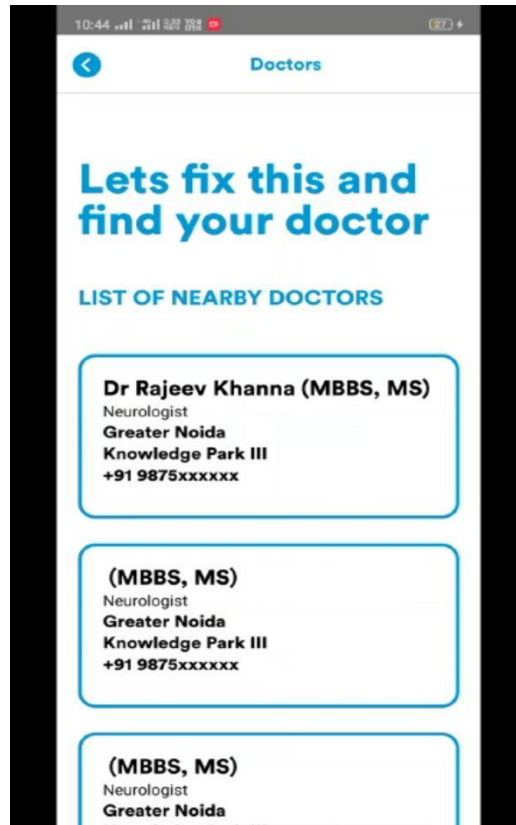
- Medical Shops list page
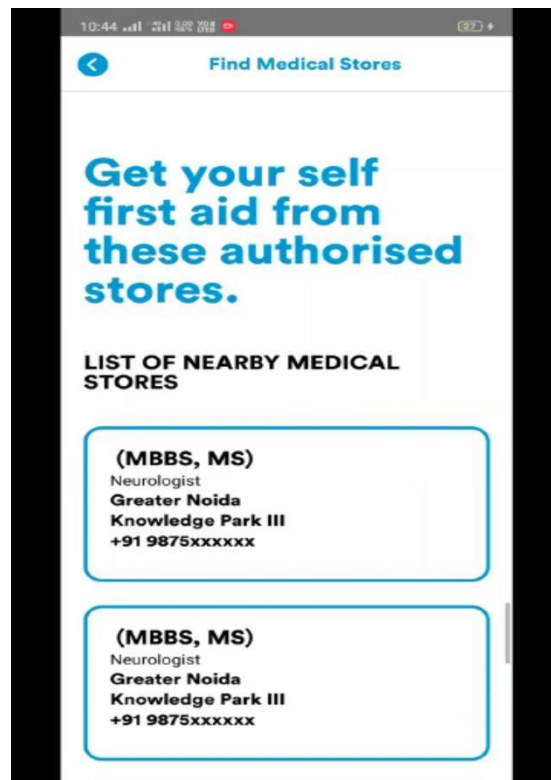
- Using Watson train models

- Overview for Model

- Test model report

8. Conclusion/Future Enhancement

Mobile medical apps are changing the way the world and health consumers handle their personal health care. These applications allow the health consumers to track their own health such as heart health and make their adjustments according to their lifestyles. The FDA is taking precautions to review these apps to make sure they are safe and function properly. Nonprofit organizations will be able to reach more people and profit organizations are looking at an increase in future revenue.

The financial management staff takes care of fiscal planning and also makes sure the money is used accordingly. When the FDA regulations and rules begin to weed out the unnecessary apps the remaining apps can be used to increase revenue. The cost would be moderate considering that the current apps are either free or inexpensive. The future possibilities of these apps are endless especially since clinicians are going to use these apps as well.

9. REFERENCE

- Physician smartphone adoption rate to reach 81% in 2012. 2012, [http://manhattanresearch.com/News-and-Events/Press-Releases/physician-smartphones-2012]

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- Sherry J, Salvador T: Running and grimacing: the struggle for balance in mobile work. Wireless world: social and interactional aspects of the mobile age. Edited by: Brown B, Green N, Harper R. 2001, New York, NY: Springer-Verlag, 108-120.

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- New Tool in the MD's Bag: A Smartphone. [http://www.washingtonpost.com/wp-dyn/content/article/2009/05/18/AR2009051802234.html]

- Tackling wasteful spending on health. Paris: Organisation for Economic Cooperation and Development; 2017 (http://dx.doi.org/10.1787/9789264266414-en, accessed 24 February 2018).

- World health statistics 2016: monitoring health for the Sustainable Development Goals. Geneva: World Health Organization; 2016 (http://who.int/gho/publications/world_health_statistics/2016/EN_WHS2016_TOC.pdf,accessed 24 February 2018).

Annexure

- ### App.js

```
import React from 'react';
import {
  View,
  Text,
} from 'react-native';

import AppNavigator from './src/navigation/index';
```

```
// Main Application Entry Point
// We love dhoni
const App = () => {
  return (
    <>
      <AppNavigator />
    </>
  );
};
```

```
export default App;
```

- ### package.json

```
{
  "name": "BlueCross",
  "version": "0.0.1",
  "private": true,
  "scripts": {
    "android": "react-native run-android",
    "ios": "react-native run-ios",
    "start": "react-native start",
    "test": "jest",
    "lint": "eslint ."
  },
  "dependencies": {
    "expo-camera": "^7.0.0",
    "expo-permissions": "^7.0.0",
    "lottie-react-native": "^3.3.2",
    "react": "16.9.0",
    "react-native": "0.61.4",
    "react-native-camera": "git+https://git@github.com/react-native-community/react-native-camera.git",
    "react-native-gesture-handler": "^1.5.1",
    "react-native-responsive-screen": "^1.3.0",
    "react-native-unimodules": "^0.6.0",
    "react-native-vector-icons": "^6.6.0",
```

```
    "react-navigation": "^4.0.10",
    "react-navigation-stack": "^1.10.3"
  },
  "devDependencies": {
    "@babel/core": "^7.7.2",
    "@babel/runtime": "^7.7.2",
    "@react-native-community/eslint-config": "^0.0.5",
    "babel-jest": "^24.9.0",
    "eslint": "^6.6.0",
    "jest": "^24.9.0",
    "metro-react-native-babel-preset": "^0.57.0",
    "react-test-renderer": "16.9.0"
  },
  "jest": {
    "preset": "react-native"
  },
  "rnpm": {
    "assets": [
      "./src/assets/fonts/"
    ]
  }
}
```

- **Index.js**

```
/**
 * @format
 */

import {AppRegistry} from 'react-native';
import App from './App';
import {name as appName} from './app.json';

AppRegistry.registerComponent(appName, () => App);
```

- **App.json**

```
{
  "name": "BlueCross",
  "displayName": "BlueCross"
}
```

- **babel.config.js**

```
module.exports = {
  presets: ['module:metro-react-native-babel-preset'],
};
```

- **metro.config.js**

```js
/**
 * Metro configuration for React Native
 * https://github.com/facebook/react-native
 *
 * @format
 */

module.exports = {
  transformer: {
    getTransformOptions: async () => ({
      transform: {
        experimentalImportSupport: false,
        inlineRequires: false,
      },
    }),
  },
};
```

- **.eslintrc.js**

```js
module.exports = {
  root: true,
  extends: '@react-native-community',
};
```

- **.prettierrc.js**

```js
module.exports = {
  bracketSpacing: false,
  jsxBracketSameLine: true,
  singleQuote: true,
  trailingComma: 'all',
};
```

1.   .vscode folder

- **Setting.json**

```json
{
    "java.configuration.updateBuildConfiguration": "interactive"
}
```

2. _tests_ folder

- **App-test.js**

```
/**
 * @format
 */


import 'react-native';
import React from 'react';
import App from '../App';
```

```
// Note: test renderer must be required after react-native.
import renderer from 'react-test-renderer';
```

```
it('renders correctly', () => {
  renderer.create(<App />);
});
```

5. src folder

3.1 Components

- **Header.js**

```
import React, {Component} from 'react';
import {View, Text, TextInput} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

import Ionicons from 'react-native-vector-icons/Ionicons';
```

```
function Header(props) {
  return (
    <View style={{}}>
      {/* Icon */}
      <Ionicons
        name="ios-arrow-dropleft-circle"
        size={hp(3.8)}
        color="#0099D8"
        style={{
          margin: hp(1.7),
          position: 'absolute',
        }}
      />
```

```
      {/* Upper Header */}
      <View
```

```
        style={{
          width: wp(100),
          height: hp(7),
          // backgroundColor: 'pink',
          alignItems: 'center',
          justifyContent: 'center',
          flexDirection: 'row',
        }}>
        {/* Text */}
        <Text
          style={{
            fontFamily: 'circular-black',
            fontSize: hp(2.1),
            paddingLeft: wp(8),
            color: '#0099D8',
          }}>
          {props.name}
        </Text>
      </View>
```

```
      {/* Simple Line */}
      <View
        style={{
          borderBottomColor: '#DCDCDC',
          borderBottomWidth: 1,
        }}
      />
    </View>
  );
}
```

```
export default Header;
```

3.2 Navigation

- **Index.js**

```
import React, { Component } from "react";
import { createAppContainer } from 'react-navigation';
import { createStackNavigator } from 'react-navigation-stack';

import Welcome from '../screens/Welcome';
import Login from '../screens/Login';
import Register from '../screens/Register';
import GetIn from '../screens/GetIn';
import Dashboard from '../screens/Dashboard';
import Report from '../screens/Report';
import Click from '../screens/Click';
import Doctors from '../screens/Doctors';
```

```
import MedicalShops from '../screens/MedicalShops';
import exampleCamera from '../screens/exampleCamera';

console.disableYellowBox = true;

const AppNavigator = createStackNavigator(
  {
    Welcome: {
      screen: Welcome
    },
    GetIn: {
      screen: GetIn
    },

    Register: {
      screen: Register
    },
    Login: {
      screen: Login
    },
    Dashboard: {
      screen: Dashboard
    },
    Click: {
      screen: Click
    },
    Report: {
      screen: Report
    },
    Doctors: {
      screen: Doctors
    },

    MedicalShops: {
      screen: MedicalShops
    },
    // exampleCamera: {
    //   screen: exampleCamera
    // },
  },
  {
    headerMode: "none"
  }
);

export default createAppContainer(AppNavigator);
```

3.3 Screens

- **CameraCode.js**

```jsx
import React from 'react'

export default function CameraCode() {
    return (
        <div>

        </div>
    )
}
```

- **doctorcode.js**

```jsx
import React from 'react';
import { View, Text } from 'react-native';

import {
    widthPercentageToDP as wp,
    heightPercentageToDP as hp,
  } from 'react-native-responsive-screen';
```

```jsx
function DoctorCard(props) {
    return (
        <View>
            <View
          style={{
            height: hp(20),
            width: wp(90),
            borderRadius: 15,
            borderColor: '#0099D8',
            borderWidth: 3,
            // justifyContent: "center",
            // alignItems: "center",
            marginTop: hp(3),
            paddingLeft: wp(5),
            paddingTop: hp(2),
          }}>
                <Text style={{
                    fontFamily: 'circular-black',
                    fontSize: hp(2.5),
                }}>
                    {props.name} (MBBS, MS)
                </Text>
                <Text>
                    Neurologist
                </Text>
                <Text style={{
                    fontFamily: 'circular-black',
                    fontSize: hp(2),
                }}>
```

```
                Greater Noida
            </Text>
            <Text style={{
                fontFamily: 'circular-black',
                fontSize: hp(2),
            }}>
              Knowledge Park III
            </Text>


            {/* Contact */}
            <Text style={{
                fontFamily: 'circular-black',
                fontSize: hp(2),
            }}>
                +91 9875xxxxxx
            </Text>
        </View>
```

```
        </View>
    )
}
```

```
export default DoctorCard;
```

- **Dashboard.js**

```
import React, { useEffect } from 'react';
import {View, Image, Text, ScrollView, TouchableOpacity} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

import Animation from 'lottie-react-native';
import anim from '../assets/camera.json';
```

```
import Header from './../components/Header';
import ReportCard from './ReportCard';
```

```
const Dashboard = (props) => {
```

```
    //useEffect
    useEffect(() => {
      animation.play();
    });
```

```
  return (
    <View
      style={{
```

```jsx
          // backgroundColor: 'pink',
          flex: 1,
        }}>
        {/* Header */}
        <Header name="Dashboard" />
        <TouchableOpacity
        onPress={() => props.navigation.navigate('Click')}
          style={{
            // backgroundColor: 'skyblue',
            height: hp(40),
            justifyContent: "center",
            alignItems: "center",
          }}>
          <Animation
            ref={animation => {
              this.animation = animation;
            }}
            style={{
              width: hp(40),
              height: hp(40),
            }}
            loop={true}
            source={anim}
          />
        </TouchableOpacity>

        {/* History View */}
        <View
          style={{
            // backgroundColor: 'yellow',
            width: wp(100),
            height: hp(50),
          }}>
          <View
            style={{
              backgroundColor: '#0099D8',
              height: hp(7),
              weight: wp(100),
              justifyContent: 'center',
              alignItems: 'center', // GetIn: {
              //    screen: GetIn
              // },
              // Login: {
              //    screen: Login
              // },
              // Register: {
              //    screen: Register
              // },
            }}>
            <Text
```

```jsx
            style={{
                // backgroundColor: '#28A8E4',
                fontSize: hp(2.1),
                fontFamily: 'circular-black',
                color: 'white',
            }}>
            Recent Analysis Reports
        </Text>
    </View>

    {/* Report Cards */}

    {/* Parent View */}
    <ScrollView
        contentContaierstyle={{
            width: wp(100),
            justifyContent: 'center',
            alignItems: 'center',
        }}>
        <ReportCard />
        <ReportCard />
        <ReportCard />
        <ReportCard />
    </ScrollView>
  </View>
  </View>
  );
};
```

```jsx
export default Dashboard;
```

- **Click.js**

```jsx
import React, {PureComponent} from 'react';
import {
  AppRegistry,
  StyleSheet,
  Text,
  TouchableOpacity,
  View,

} from 'react-native';

import Header from './../components/Header';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';
```

```jsx
import {RNCamera} from 'react-native-camera';
```

```jsx
class Click extends PureComponent {

  render(props) {

    return (
      <View
        style={{
          flex: 1,
        }}>
        {/* Header */}
        <Header name="Click" />

        {/* Big View */}
        <View
          style={{
            width: wp(100),
            // justifyContent: "center",
            alignItems: 'center',
          }}>
          {/* Click Button */}
          <TouchableOpacity
          onPress={() => this.props.navigation.navigate('Report')}
            style={{
              position: 'absolute',
              height: wp(20),
              width: wp(20),
              borderRadius: 100,
              borderWidth: 10,
              marginTop: hp(70),
              zIndex: 1,
              borderColor: '#0099D8',
            }}></TouchableOpacity>

          {/* Camera View */}
          <View
            style={{
              marginTop: hp(4),
              // backgroundColor: 'pink',
              borderRadius: 30,
              borderWidth: 5,
              width: wp(90),
              height: hp(80),
              borderColor: '#0099D8',
            //   zIndex: 10,
              overflow: 'hidden',
            }}>
            <RNCamera
              ref={ref => {
                this.camera = ref;
```

```
                }}
        //    style={styles.preview}
            style={{
                width: wp(90),
                height: hp(80),
                zIndex: 0,
            }}
            type={RNCamera.Constants.Type.back}
            flashMode={RNCamera.Constants.FlashMode.on}
        //    captureTarget={RNCamera.constants.CaptureTarget.temp}
```

```
            null={{
              title: 'Permission to use camera',
              message: 'We need your permission to use your camera',
              buttonPositive: 'Ok',
              buttonNegative: 'Cancel',
            }}
            androidRecordAudioPermissionOptions={{
              title: 'Permission to use audio recording',
              message: 'We need your permission to use your audio',
              buttonPositive: 'Ok',
              buttonNegative: 'Cancel',
            }}
            onGoogleVisionBarcodesDetected={({barcodes}) => {
              console.log(barcodes);
            }}
          />
        </View>
      </View>
    </View>
  );
}
```

```
  takePicture = async () => {
    if (this.camera) {
      const options = {quality: 1, base64: true, };
      const data = await this.camera.takePictureAsync(options)
    }
  };
// takePicture() {
//     this.camera
//     .capture()
//     .then(data => this.saveImage(data.path))
//     .catch(err => console.error('capture picture error', err));
// }
}
```

```
const styles = StyleSheet.create({
    container: {
      flex: 1,
```

```
      flexDirection: 'column',
      backgroundColor: 'black',
    },
    preview: {
      flex: 1,
//    justifyContent: 'flex-end',
//    alignItems: 'center',
      height: hp(80),
      width: wp(90),
      zIndex: 0,
    },
    capture: {
      flex: 0,
      backgroundColor: '#fff',
      borderRadius: 5,
      padding: 15,
      paddingHorizontal: 20,
      alignSelf: 'center',
      margin: 20,
    },
  });
```

```
export default Click;
```

- **MedicalShopCard.js**

```
import React, {Component} from 'react';
import {View, Text, Image, TextInput, TouchableOpacity} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

import Ionicons from 'react-native-vector-icons/Ionicons';
import Header from './../components/Header';
```

```
class Login extends Component {
  render(props) {
    return (
      <View
        style={{
          flex: 1,
        }}>
        <Header name={'Sign In'} />

        {/* Left Over */}
        <View
          style={{
            margin: wp(5),
```

```jsx
        marginTop: hp(4),
        // backgroundColor: 'pink',
      }}>
      {/* Input Email */}
      <View
        style={{
          height: null,
          width: null,
          borderBottomWidth: 1,
        }}>
        <Text
          style={{
            fontFamily: 'circular-book',
            color: 'grey',
          }}>
          EMAIL ADDRESS
        </Text>
        <TextInput
          style={{
            // paddingLeft: wp(2),
            fontFamily: 'circular-book',
          }}
          placeholder={'    johndoe@xyx.com'}
          selectionColor={'pink'}
        />
      </View>
```

```jsx
      {/* Input Password */}
      <View
        style={{
          height: null,
          width: null,
          borderBottomWidth: 1,
          marginTop: hp(3),
        }}>
        <Text
          style={{
            fontFamily: 'circular-book',
            color: 'grey',
          }}>
          PASSWORD
        </Text>
        <TextInput
          style={{
            // paddingLeft: wp(2),
            fontFamily: 'circular-book',
          }}
          secureTextEntry={true}
          placeholder={'    Enter your secure password'}
          selectionColor={'red'}
```

```jsx
                />
            </View>

            {/* SignIn Button */}
            <TouchableOpacity
            onPress={() => this.props.navigation.navigate('Dashboard')}
              style={{
                width: null,
                height: hp(6.5),
                backgroundColor: '#0099D8',
                alignItems: 'center',
                justifyContent: 'center',
                marginTop: hp(5),
              }}>
              <Text
                style={{
                  fontFamily: 'circular-black',
                  color: 'white',
                  fontSize: hp(2.5),
                }}>
                Sign In
              </Text>
            </TouchableOpacity>
          </View>
        </View>
      );
    }
}
```

```jsx
export default Login;
```

- **Doctors.js**

```jsx
import React from 'react';
import {View, Text, ScrollView} from 'react-native';

import Header from './../components/Header';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';
```

```jsx
import DoctorCard from './DoctorCard';
```

```jsx
const Doctors = () => {
  return (
    <View
      style={{
        flex: 1,
      }}>
```

```jsx
{/* Header */}
<Header name="Doctors" />

{/* Doctors Text */}
<Text
  style={{
    fontFamily: 'circular-black',
    fontSize: hp(5),
    margin: wp(5),
    marginTop: hp(7),
    color: '#0099D8',
  }}>
  Lets fix this and find your doctor
</Text>

{/* Generated Doctors */}
{/* <Text
  style={{
    fontFamily: 'circular-book',
    fontSize: hp(2.5),
    margin: wp(7.5),
    backgroundColor: 'pink',
  }}>
  There is a fair chance that you have a mild injury and need first AID
  that would be fine.
</Text> */}

{/* Help Text */}
<Text
  style={{
    fontFamily: 'circular-black',
    fontSize: hp(2.5),
    margin: wp(5),
    color: '#0099D8',
  }}>
  LIST OF NEARBY DOCTORS
</Text>

{/* Two Cards */}
<ScrollView
  contentContainerStyle={{
    justifyContent: 'center',
    alignItems: 'center',
//    backgroundColor: 'green',
  }}>

  {/* Doctor Card */}
  <DoctorCard name={'Dr Rajeev Khanna'}/>
  <DoctorCard />
  <DoctorCard />
  <DoctorCard />
```

```
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
        <DoctorCard />
```

```
      </ScrollView>
    </View>
  );
};
```

```
export default Doctors;
```

- **exampleCamera.js**

```javascript
// import React, {Component} from 'react';
import React, { PureComponent } from 'react';

import { AppRegistry, StyleSheet, Text, TouchableOpacity, View } from 'react-native';
import { RNCamera } from 'react-native-camera';
```

```javascript
class exampleCamera extends PureComponent {
//   state = {
//     hasCameraPermission: null,
//     type: Camera.Constants.Type.back,
//   };
//   async componentDidMount() {
//     const {status} = await Permissions.askAsync(Permissions.CAMERA);
//     this.setState({hasCameraPermission: status === 'granted'});
//   }
  render() {
    return (
      <View
        style={{
          flex: 1,
          backgroundColor: 'pink',
        }}>
          {/* Camera Code */}
          <RNCamera
        ref={ref => {
          this.camera = ref;
        }}
        style={styles.preview}
        type={RNCamera.Constants.Type.back}
        flashMode={RNCamera.Constants.FlashMode.on}
        androidCameraPermissionOptions={{
```

```
                  title: 'Permission to use camera',
                  message: 'We need your permission to use your camera',
                  buttonPositive: 'Ok',
                  buttonNegative: 'Cancel',
                }}
                androidRecordAudioPermissionOptions={{
                  title: 'Permission to use audio recording',
                  message: 'We need your permission to use your audio',
                  buttonPositive: 'Ok',
                  buttonNegative: 'Cancel',
                }}
                onGoogleVisionBarcodesDetected={({ barcodes }) => {
                  console.log(barcodes);
                }}
              />
            <View style={{ flex: 0, flexDirection: 'row', justifyContent: 'center' }}>
                <TouchableOpacity onPress={this.takePicture.bind(this)} style={{styles.captur
e}>

                  <Text style={{ fontSize: 14 }}> SNAP </Text>
                </TouchableOpacity>
              </View>
                {/* Camera Code End */}
```

```
        </View>
    );
  }
```

```
  takePicture = async() => {
    if (this.camera) {
      const options = { quality: 0.5, base64: true };
      const data = await this.camera.takePictureAsync(options);
      console.log(data.uri);
    }
  };
}
```

```
const styles = StyleSheet.create({
    container: {
      flex: 1,
      flexDirection: 'column',
      backgroundColor: 'black',
    },
    preview: {
      flex: 1,
      justifyContent: 'flex-end',
      alignItems: 'center',
    },
    capture: {
      flex: 0,
```

```
      backgroundColor: '#fff',
      borderRadius: 5,
      padding: 15,
      paddingHorizontal: 20,
      alignSelf: 'center',
      margin: 20,
   },
 });
```

```
export default exampleCamera;
```

- **Getlin.js**

```
import React, { Component } from "react";
import { View, Text, Image, TouchableOpacity } from "react-native";
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from "react-native-responsive-screen";

import Entypo from 'react-native-vector-icons/Entypo';
import FontAwesome5 from 'react-native-vector-icons/FontAwesome5';
import Header from "./../components/Header";
```

```
// Entry for enduser
```

```
class GetIn extends Component {
    render(props) {
        return (
            <View style={{
                flex: 1,
            }}>
                <Header name={'Sign In or Create an Account'} />
```

```
                {/* LeftOver */}
                <View style={{
                    flex: 1,
                    marginTop: wp(5),
                    marginLeft: wp(7),
                    marginRight: wp(7),
                }}>
                    {/* SomeText */}
                    <Text style={{
                        fontSize: hp(1.8),
                        fontFamily: 'r1',
                    }}>
                        Sign In or create an account to access all the best Warden has
 to offer.
                    </Text>
```

```
                {/* CONTINUE */}
```

```jsx
        <Text style={{
            fontSize: hp(1.5),
            fontFamily: 'r1',
            paddingTop: hp(3),
        }}>
            CONTINUE WITH EMAIL
        </Text>
```

```jsx
{/* SignIn Box */}
<TouchableOpacity
onPress={() => this.props.navigation.navigate('Login')}
style={{
    width: null,
    height: hp(6.5),
    backgroundColor: '#0099D8',
    alignItems: 'center',
    justifyContent: "center",
    marginTop: hp(2)
}}>
    <Text style={{
        fontFamily: 'b1',
        color: 'white',
        fontSize: hp(2.5),
    }}>
        Sign  In
    </Text>
</TouchableOpacity>
```

```jsx
{/* Create Account */}
<TouchableOpacity
onPress={() => this.props.navigation.navigate('Register')}
```

```jsx
 style={{
    width: null,
    height: hp(6.5),
    backgroundColor: 'white',
    alignItems: 'center',
    justifyContent: "center",
    marginTop: hp(2),
    borderWidth: 1.5,
}}>

    <Text style={{
        fontFamily: 'r3',
        color: 'black',
        fontSize: hp(2.3),
    }}>
        Create an Account
    </Text>
</TouchableOpacity>
```

```jsx
{/* More ways */}
<Text style={{
    fontSize: hp(1.5),
    fontFamily: 'r1',
    paddingTop: hp(3),
}}>
    MORE WAYS TO SIGN IN
</Text>
```

```jsx
{/* SignIn Box */}
<View style={{
    width: null,
    height: hp(6.5),
    backgroundColor: 'white',
    alignItems: 'center',
    justifyContent: "center",
    marginTop: hp(2),
    borderWidth: 1.5,
    flexDirection: "row",
}}>
    <Entypo name="facebook" size={hp(3)} color="#3b5998" style={{
        // paddingLeft: wp(5),
    }}/>
    <Text style={{
        fontFamily: 'r3',
        color: '#3b5998',
        fontSize: hp(2.2),
        paddingLeft: wp(3),
    }}>
        Sign in with Facebook
    </Text>
</View>
```

```jsx
{/* Create Account */}
<View style={{
    width: null,
    height: hp(6.5),
    backgroundColor: 'white',
    alignItems: 'center',
    justifyContent: "center",
    marginTop: hp(2),
    borderWidth: 1.5,
    flexDirection: "row",
}}>
    <Entypo name="twitter" size={hp(3)} color="#1da1f2" style={{
        // paddingLeft: wp(5),
    }}/>
    <Text style={{
```

```jsx
                    fontFamily: 'r3',
                    color: '#1da1f2',
                    fontSize: hp(2.2),
                    paddingLeft: wp(3),
                }}>
                    Sign in with Twitter
                </Text>
            </View>

            {/* Continue without login */}
            <View style={{
                width: null,
                height: hp(15),
                backgroundColor: '#0099D8',
                // alignItems: 'center',
                justifyContent: "center",
                marginTop: hp(5),
                // borderWidth: 1.5,
                flexDirection: "column",
                // padding: hp(2.5),
            }}>
                {/* first */}
                <View style={{
                    flex: 1,
                    flexDirection: "row",
                    paddingTop: hp(1.5),
                }}>
                    <FontAwesome5 name="satellite" size={hp(3)} color="white"
style={{

                        paddingLeft: wp(5),
                    }}/>
                    <Text style={{
                        fontFamily: 'r1',
                        color: 'white',
                        fontSize: hp(2.2),
                        paddingLeft: wp(4),
                    }}>
                        Continue without login
                    </Text>
                </View>

            {/* Next */}
            <View style={{
            width: wp(75),
            height: hp(6.5),
            backgroundColor: 'white',
            alignItems: 'center',
            justifyContent: "center",
            // marginTop: hp(2),
            borderWidth: 1.5,
```

```
                        flexDirection: "row",
                        marginLeft: wp(5),
                        marginBottom: wp(4),
                    }}>
                        <Text style={{
                            fontFamily: 'b2',
                            color: 'black',
                            fontSize: hp(2.2),
                        }}>
                            Lets have a tour
                        </Text>
                    </View>

                </View>
```

```
            </View>
        </View>
    )
  }
}
```

```
export default GetIn;
```

- **Login.js**

```
import React, {Component} from 'react';
import {View, Text, Image, TextInput, TouchableOpacity} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

import Ionicons from 'react-native-vector-icons/Ionicons';
import Header from './../components/Header';
```

```
class Login extends Component {
  render(props) {
    return (
      <View
        style={{
          flex: 1,
        }}>
        <Header name={'Sign In'} />
```

```
        {/* Left Over */}
        <View
          style={{
            margin: wp(5),
            marginTop: hp(4),
```

```
                // backgroundColor: 'pink',
        }}>
        {/* Input Email */}
        <View
          style={{{
            height: null,
            width: null,
            borderBottomWidth: 1,
          }}>
          <Text
            style={{{
              fontFamily: 'circular-book',
              color: 'grey',
            }}>
            EMAIL ADDRESS
          </Text>
          <TextInput
            style={{{
              // paddingLeft: wp(2),
              fontFamily: 'circular-book',
            }}
            placeholder={'    johndoe@xyx.com'}
            selectionColor={'pink'}
          />
        </View>

        {/* Input Password */}
        <View
          style={{{
            height: null,
            width: null,
            borderBottomWidth: 1,
            marginTop: hp(3),
          }}>
          <Text
            style={{{
              fontFamily: 'circular-book',
              color: 'grey',
            }}>
            PASSWORD
          </Text>
          <TextInput
            style={{{
              // paddingLeft: wp(2),
              fontFamily: 'circular-book',
            }}
            secureTextEntry={true}
            placeholder={'    Enter your secure password'}
            selectionColor={'red'}
          />
```

```jsx
            </View>

            {/* SignIn Button */}
            <TouchableOpacity
            onPress={() => this.props.navigation.navigate('Dashboard')}
              style={{
                width: null,
                height: hp(6.5),
                backgroundColor: '#0099D8',
                alignItems: 'center',
                justifyContent: 'center',
                marginTop: hp(5),
              }}>
              <Text
                style={{
                  fontFamily: 'circular-black',
                  color: 'white',
                  fontSize: hp(2.5),
                }}>
                Sign In
              </Text>
            </TouchableOpacity>
          </View>
        </View>
    );
  }
}
```

```jsx
export default Login;
```

- ## MedicalShops.js

```jsx
import React from 'react';
import {View, Text, ScrollView} from 'react-native';

import Header from './../components/Header';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';
```

```jsx
import MedicalShopCard from './MedicalShopCard';
```

```jsx
const MedicalShops = () => {
  return (
    <View
      style={{
        flex: 1,
      }}>
      {/* Header */}
```

```jsx
<Header name="Find Medical Stores" />

{/* MedicalShops Text */}
<Text
  style={{
    fontFamily: 'circular-black',
    fontSize: hp(5),
    margin: wp(5),
    marginTop: hp(7),
    color: '#0099D8',
  }}>
  Get your self first aid from these authorised stores.
</Text>

{/* Generated MedicalShops */}
{/* <Text
  style={{
    fontFamily: 'circular-book',
    fontSize: hp(2.5),
    margin: wp(7.5),
    backgroundColor: 'pink',
  }}>
  There is a fair chance that you have a mild injury and need first AID
  that would be fine.
</Text> */}

{/* Help Text */}
<Text
  style={{
    fontFamily: 'circular-black',
    fontSize: hp(2.5),
    margin: wp(5),
  }}>
  LIST OF NEARBY MEDICAL STORES
</Text>

{/* Two Cards */}
<ScrollView
  contentContainerStyle={{
    justifyContent: 'center',
    alignItems: 'center',
    //   backgroundColor: 'green',
  }}>

  {/* MedicalShop Card */}
  <MedicalShopCard name={'Om Medical Store'}/>
  <MedicalShopCard name={'Chikitsa Medicine'}/>
  <MedicalShopCard />
  <MedicalShopCard />
  <MedicalShopCard />
  <MedicalShopCard />
```

```
            <MedicalShopCard />
            <MedicalShopCard />
            <MedicalShopCard />
            <MedicalShopCard />
            <MedicalShopCard />
            <MedicalShopCard />


      </ScrollView>
    </View>
  );
};


export default MedicalShops;
```

- **Report.js**

```
import React from 'react';
import {View, Text, TouchableOpacity} from 'react-native';

import Header from './../components/Header';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

const Report = (props) => {
  return (
    <View
      style={{
        flex: 1,
      }}>
      {/* Header */}
      <Header name="Report" />

      {/* Report Text */}
      <Text
        style={{
          fontFamily: 'circular-black',
          fontSize: hp(5),
          margin: wp(5),
          marginTop: hp(7),
          color: '#0099D8',
        }}>
        Get the answers you need
      </Text>

      {/* Generated Report */}
      <Text
        style={{
```

```
        fontFamily: 'circular-book',
        fontSize: hp(2.5),
        margin: wp(7.5),
        // backgroundColor: 'pink',
    }}>
    There is a fair chance that you have a mild injury and need first AID
    that would be fine.
</Text>

{/* Help Text */}
<Text
    style={{
        fontFamily: 'circular-black',
        fontSize: hp(2.5),
        margin: wp(5),
        color: '#0099D8',
    }}>
    NEAR BY DOCTORS AND CHEMIST SHOPS
</Text>

{/* Two Cards */}
<View
    style={{
        justifyContent: 'center',
        alignItems: 'center',
    //   backgroundColor: 'green',
    }}>

    {/* Doctor Card */}
    <TouchableOpacity
        onPress={() => props.navigation.navigate('Doctors')}

        style={{
          height: hp(13),
          width: wp(90),
          borderRadius: 15,
          borderColor: '#0099D8',
          borderWidth: 3,
          justifyContent: "center",
          alignItems: "center",
          marginTop: hp(3)
        }}>
            <Text style={{
                fontFamily: 'circular-black',
                fontSize: hp(3),
            }}>
                FIND DOCTORS
            </Text>
    </TouchableOpacity>
```

```jsx
        {/* Medical Card */}
        <TouchableOpacity
            onPress={() => props.navigation.navigate('MedicalShops')}

          style={{
            height: hp(13),
            width: wp(90),
            borderRadius: 15,
            borderColor: '#0099D8',
            borderWidth: 3,
            justifyContent: "center",
            alignItems: "center",
            marginTop: hp(5)
          }}>
            <Text style={{
                fontFamily: 'circular-black',
                fontSize: hp(3),
            }}>
                MEDICAL SHOPS
            </Text>
        </TouchableOpacity>
```

```jsx
    </View>
  </View>
  );
};
```

```jsx
export default Report;
```

- **ReportCard.js**

```jsx
import React, {Component} from 'react';
import {View, Text, TextInput} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
} from 'react-native-responsive-screen';

import Ionicons from 'react-native-vector-icons/Ionicons';

function ReportCard(props) {
  return (
    <View style={{}}>
      <View
          style={{
```

```
          // backgroundColor: '#28A8E4',
          borderWidth: 3,
          height: hp(20),
          width: wp(90),
          borderRadius: 10,
          marginTop: hp(3),
          marginLeft: wp(5),
          borderColor: '#0099D8',
      }}>
      <Text style={{
          fontFamily: 'circular-book',
          height: hp(3),
          marginTop: wp(2),
          marginLeft: wp(2),
      }}>Name: John Doe</Text>
      <Text style={{
          fontFamily: 'circular-book',
          height: hp(3),
          marginTop: wp(1.5),
          marginLeft: wp(2),
      }}>Scan Result: Wound</Text>
      <Text style={{
          fontFamily: 'circular-book',
          height: hp(3),
          marginTop: wp(1.5),
          marginLeft: wp(2),
      }}>Consultancy: Yes</Text>
      <Text style={{
          fontFamily: 'circular-book',
          height: hp(3),
          marginTop: wp(1.5),
          marginLeft: wp(2),
      }}>Medication: No</Text>
```

```
      <Text style={{
          fontFamily: 'circular-book',
          height: hp(3),
          marginTop: wp(1.5),
          marginLeft: wp(2),
      }}>Date: 01 - January - 2019</Text>
    </View>
  </View>
);
}
```

```
export default ReportCard;
```

- **Register.js**

```jsx
import React, { Component } from "react";
import { View, Text, TextInput, TouchableOpacity } from "react-native";
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp
} from "react-native-responsive-screen";

import Header from './../components/Header';
import Ionicons from "react-native-vector-icons/Ionicons";

class Register extends Component {
  render(props) {
    return (
      <View
        style={{
          flex: 1
        }}
      >
        <Header name='Create Account' />

        {/* Left Over  */}
        <View
          style={{
            margin: wp(5),
            marginTop: hp(4)
            // backgroundColor: 'pink',
          }}
        >
          {/* Input Email */}
          <View
            style={{
              height: null,
              width: null,
              borderBottomWidth: 1
            }}
          >
            <Text
              style={{
                fontFamily: "circular-black",
                color: "grey"
              }}
            >
              EMAIL ADDRESS
            </Text>
            <TextInput
              style={{
                // paddingLeft: wp(2),
                fontFamily: "r1"
              }}
              placeholder={"    johndoe@xyx.com"}
```

```
                selectionColor={"pink"}
              />
          </View>

          {/* Confirm Password */}
          <View
            style={{
              height: null,
              width: null,
              borderBottomWidth: 1,
              marginTop: hp(3)
            }}
          >
              <Text
                style={{
                  fontFamily: "r1",
                  color: "grey"
                }}
              >
                CONFIRM EMAIL ADDRESS
              </Text>
              <TextInput
                style={{
                  // paddingLeft: wp(2),
                  fontFamily: "r1"
                }}
                placeholder={"    Please enter your email address again"}
                selectionColor={"red"}
              />
          </View>
              {/* SignIn Button */}
          <TouchableOpacity
          onPress={() => this.props.navigation.navigate('Login')}
            style={{
              width: null,
              height: hp(6.5),
              backgroundColor: "#0099D8",
              alignItems: "center",
              justifyContent: "center",
              marginTop: hp(5)
            }}
          >
              <Text
                style={{
                  fontFamily: "b1",
                  color: "white",
                  fontSize: hp(2.5)
                }}
              >
                Continue
```

```
            </Text>
        </TouchableOpacity>


        {/* Terms and conditions */}
        <Text style={{
            marginTop: hp(1.5),
            fontSize: hp(1.5),
        }}>
            <Text>
            By continuing, I agree to the{" "}
            </Text>
            <Text style={{
                textDecorationLine: 'underline'
            }}>
                Privacy Policy{" "}
            </Text>
            <Text>
                and{" "}
            </Text>
            <Text style={{
                textDecorationLine: 'underline'
            }}>
                Terms{" "}
            </Text>
            <Text>
                and{" "}
            </Text>
            <Text style={{
                textDecorationLine: 'underline'
            }}>
                Conditions
            </Text>
        </Text>
```

```
    </View>
  </View>
 );
 }
}
```

```
export default Register;
```


- **<u>Welcome.js</u>**

```
import React from 'react';
import {View, Text, Image, TouchableOpacity} from 'react-native';
import {
  widthPercentageToDP as wp,
  heightPercentageToDP as hp,
```

```jsx
} from 'react-native-responsive-screen';

const Welcome = (props) => {
  return (
    <View
      style={{
        flex: 1,
        // backgroundColor: 'pink',
        // justifyContent: 'center',
        alignItems: 'center',
      }}>
      {/* Logo */}
      <TouchableOpacity
        onPress={() => props.navigation.navigate('GetIn')}
        style={{
        //   backgroundColor: 'yellow',
          height: wp(40),
          width: wp(40),
          marginTop: hp(25),
        }}>
        <Image
          source={require('./../assets/logo.png')}
          style={{
            height: wp(40),
            width: wp(40),
            // marginBottom: hp(6),
            resizeMode: 'contain',
          }}
        />
      </TouchableOpacity>



      {/* Some Text */}
      <View style={{
          marginTop: hp(7),
      }}>
        <Text
          style={{
            fontFamily: 'circular-black',
            color: '#0099D8',

            fontSize: hp(3),
          }}>
          BLUE CROSS
        </Text>
      </View>


      {/* More Text */}
```

```
        <View style={{
            marginTop: hp(2),
        }}>
          <Text style={{
              fontFamily: 'circular-black',
              color: '#28A8E4',
              fontSize: hp(2),
          }}>" Making you more aware "</Text>
        </View>
      </View>
  );
};

export default Welcome;
```