SPRINT-3

Date	12 November 2022
Team ID	PNT2022TMID46387
Student Register Number	820319104038
Project Name	Personal Assistance for Seniors Who Are Self Reliant

TASK :-

Using MIT app inventor ,create a dashboard (application for your project using MIT app, design the model and test the app).

APP CONTENTS:

- **Login & signup**
- **Home Screen**
- **Alarm System**
- **Online Medicine Shopping**
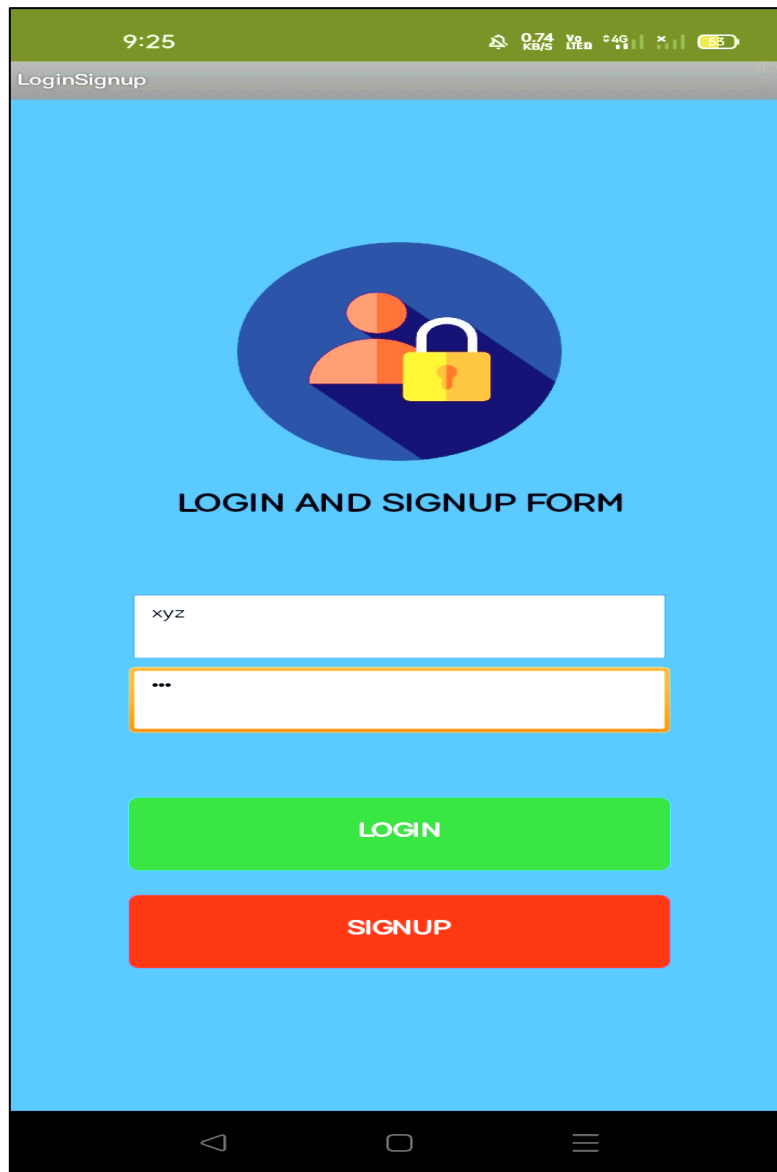- **Medical chat**
- **Emergency Contacts**

APP DEMO:

❖ The following screenshots are the sample pages of our app in a mobile view.

❖ App is built using MIT app inventor and simulation using MITAI2   Companion.

❖ We make use of Node red, IBM Watson, TTS service &Cloudant DB, for the project's workflow.

1)SIGNUP/LOGIN SCREEN:

- ❖ In login/signup page, user can enter the username & password to sign up for the first time using the app.
- ❖ After successful signup, User can use their username & password credentials to login into the app.
- ❖ After successful login, User can be redirected to home screen

2)HOME SCREEN:
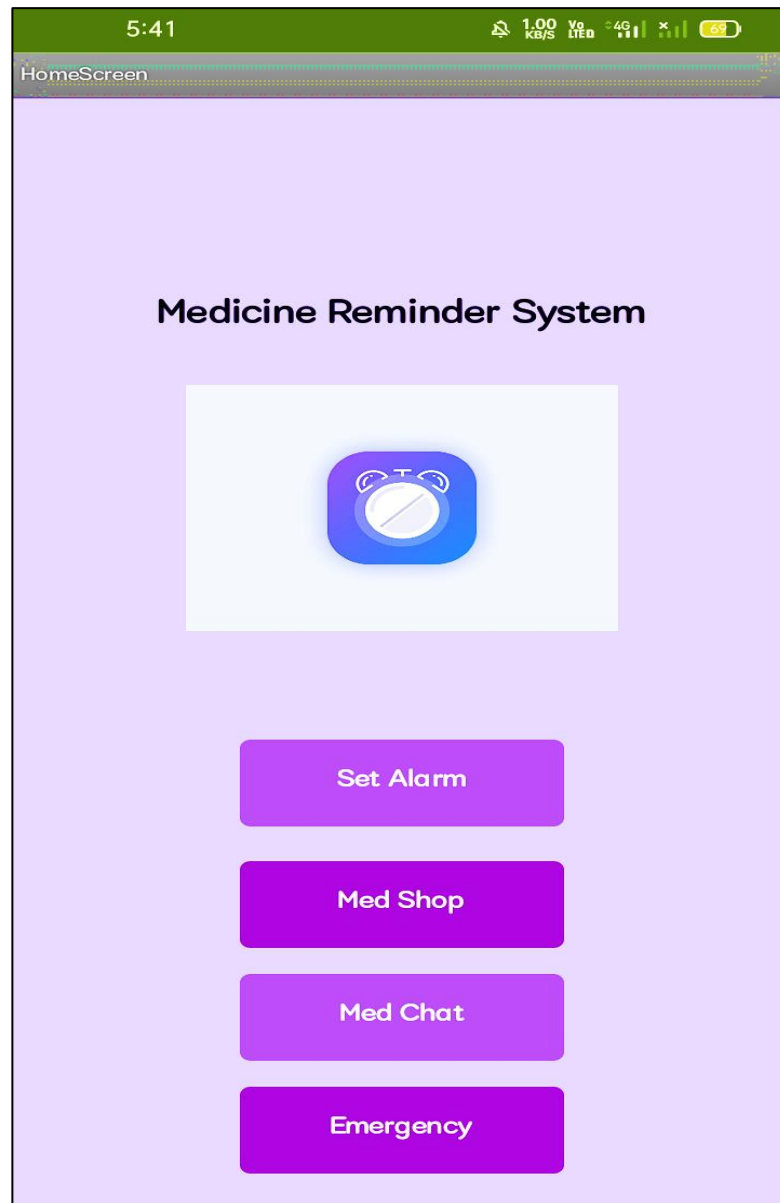
❖ In the Home Screen, user can able to see all the options and features of our app.

❖ Home Screen have the following features,

- Set alarm
- Med Shop
- Med Chat
- Emergency

3) SET ALARM SCREEN:

Medicine Alarm

Enter Your Medication Details:

MEDICINE NAME: [Enter Medicine name]

MEDICINE DOSAGE: [Enter Medicine Dosag]

SELECT TIME: [Time]

SELECT DATE: [Date]

☐ Tick the check Box when you take the medicines

[BACK]
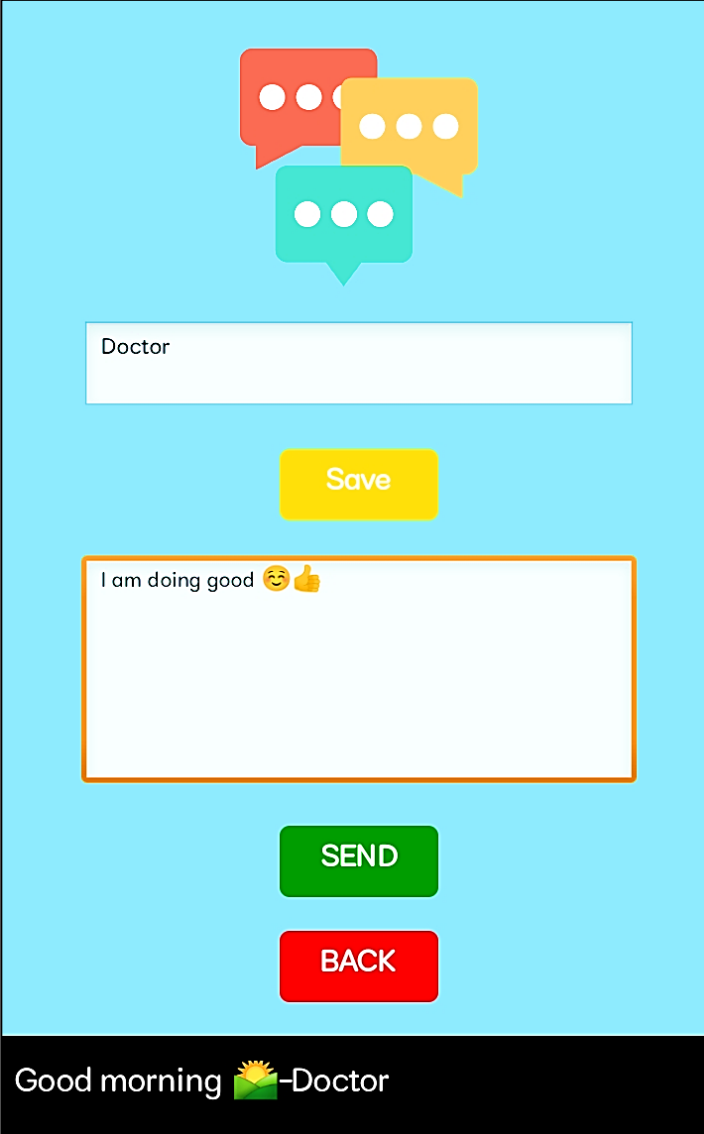
- ❖ In this Screen, user can able to see all the options to set the alarm.
- ❖ User can first add their medicine name & Dosage in the appropriate textboxes.
- ❖ Then they have an option to set the alarm with the help of date and time picker.
- ❖ After submitting all the details, user can get reminder about the intaking of medicines as per the information given by the user.

4) MEDICINAL SHOPPING SCREEN:
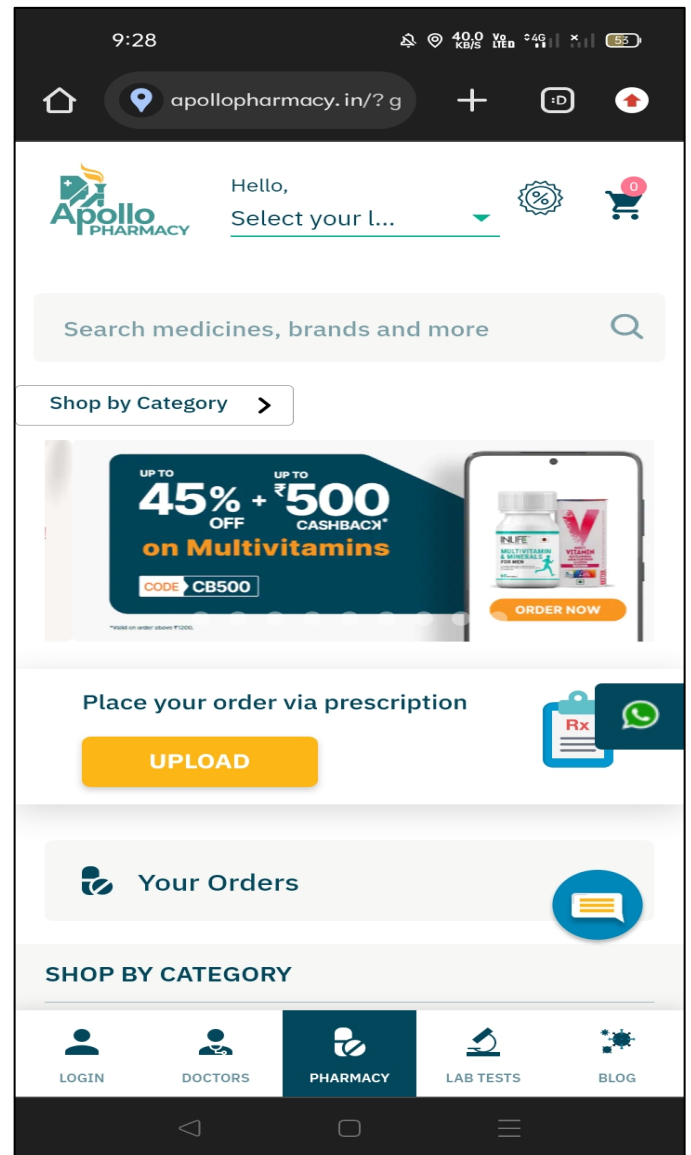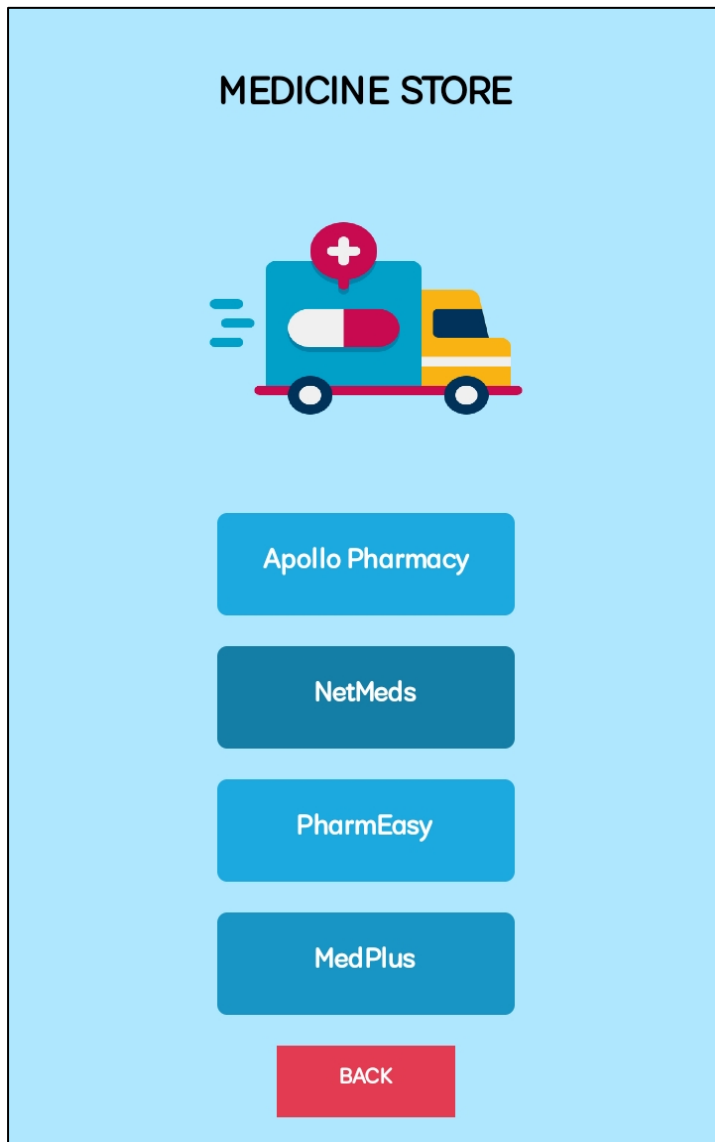
- ❖ In this Screen, user can able to purchase their medicines according to their need from the some of the major medicine websites.
- ❖ By click the particular Website button they can be redirected to the respective online medicinal site.
- ❖ Above screenshot is an example, when user click the particular medicinal shopping site (Eg: Apollo pharmacy)

5) MEDICAL CHAT SCREEN:

- ❖ In this Screen, user can able to chat with their doctors.
- ❖ User have to give the contact's name whom they want to send message.
- ❖ Above screenshots is an example, when user send the message to the doctor.

6) EMERGENCY SCREEN:
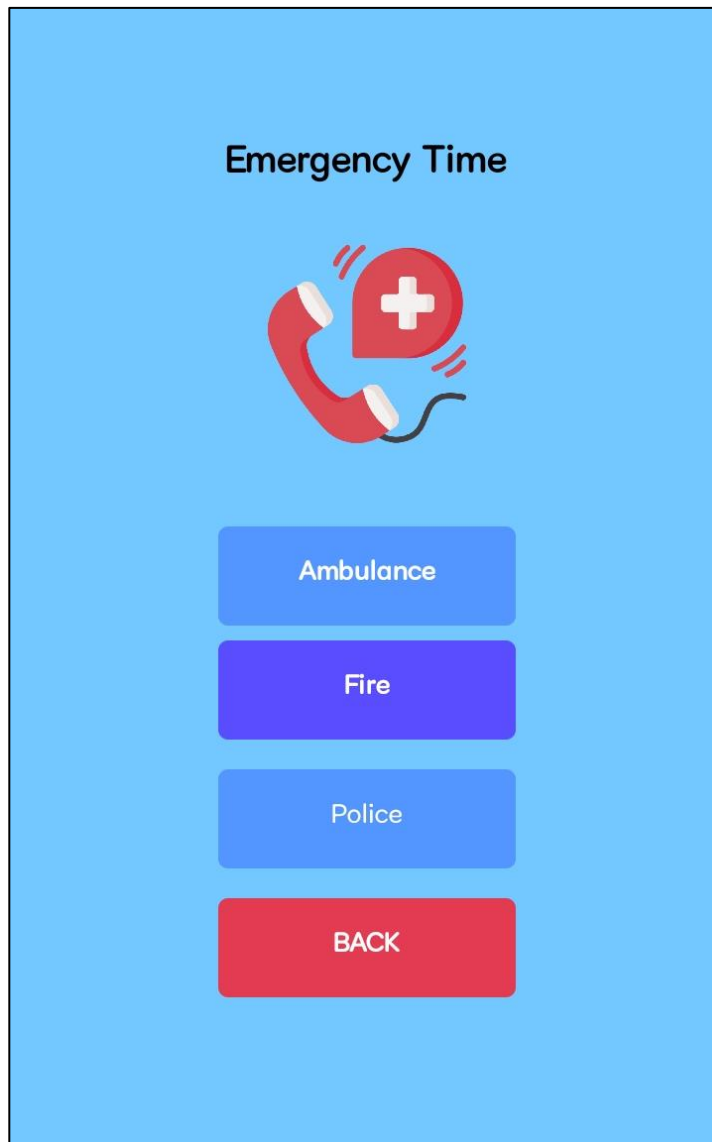
- ❖ In this Screen, user can make a phone call.
- ❖ By default, App provides important phone numbers which will be used in emergency situations.
- ❖ By click the button, user will able to make the phone call.

CODE BLOCKS-MIT APP INVENTOR:

SIGNUP/LOGIN SCREEN

```
when Signupbtn .Click
do  call FirebaseDB1 .StoreValue
                         tag    TextBox1 . Text
                 valueToStore   PasswordTextBox1 . Text

when Loginbtn .Click
do  call FirebaseDB1 .GetValue
                         tag    TextBox1 . Text
             valueIfTagNotThere  " NA "

when FirebaseDB1 .GotValue
tag  value
do  if    get tag = TextBox1 . Text
    then  if    get value = PasswordTextBox1 . Text
          then  set VerticalArrangement1 . Visible to false
                open another screen screenName HomeScreen
    set Label6 . Text to " Wrong Username & Password "
```
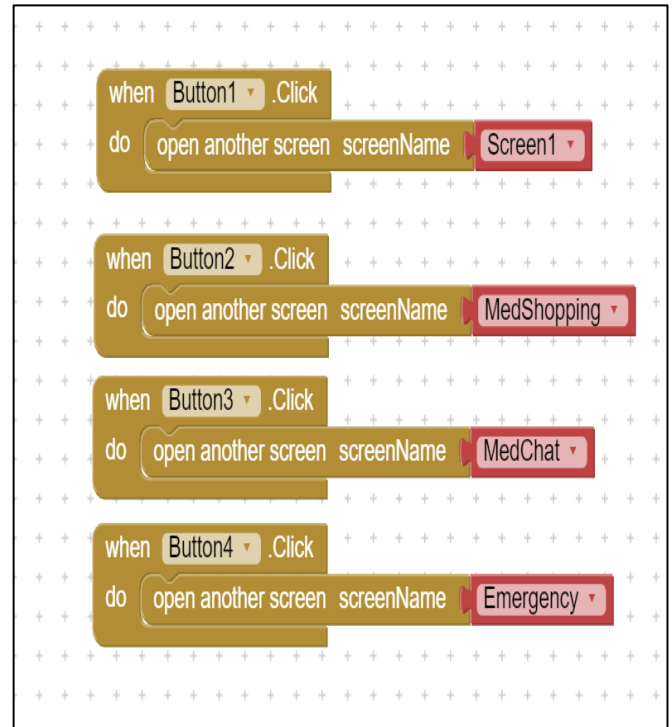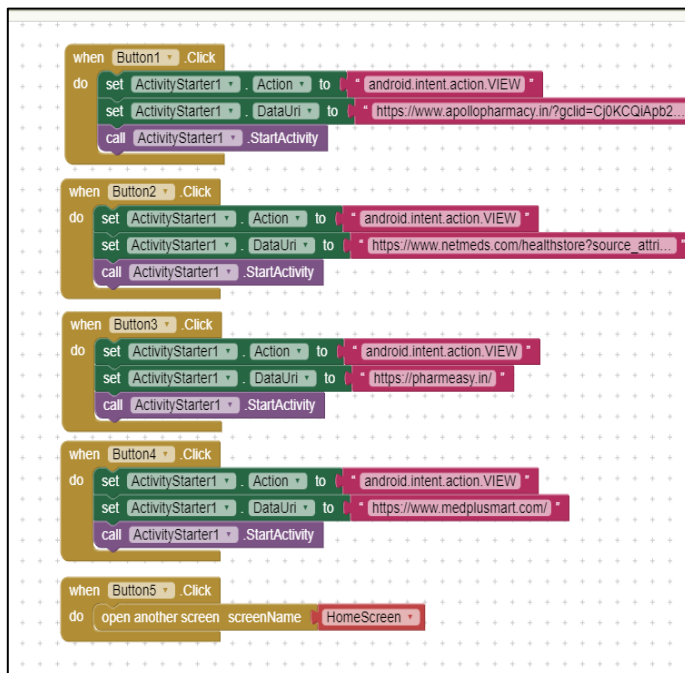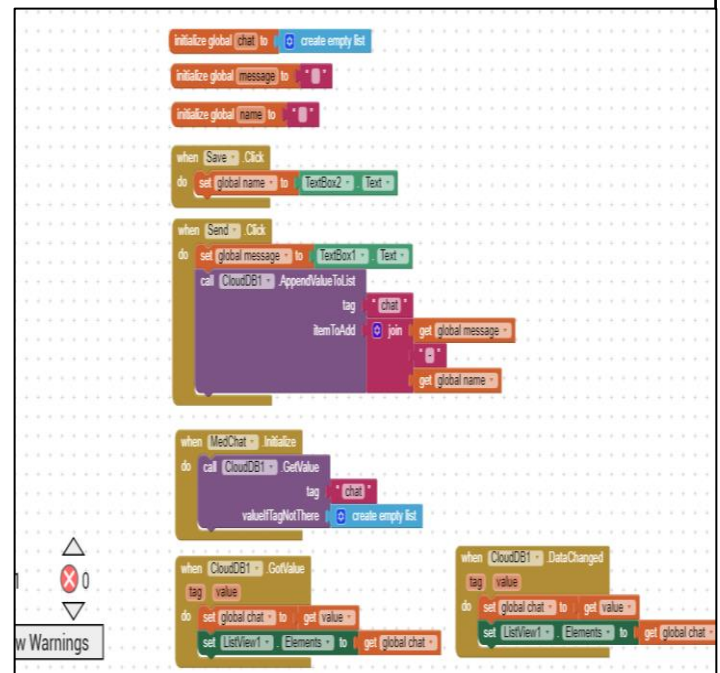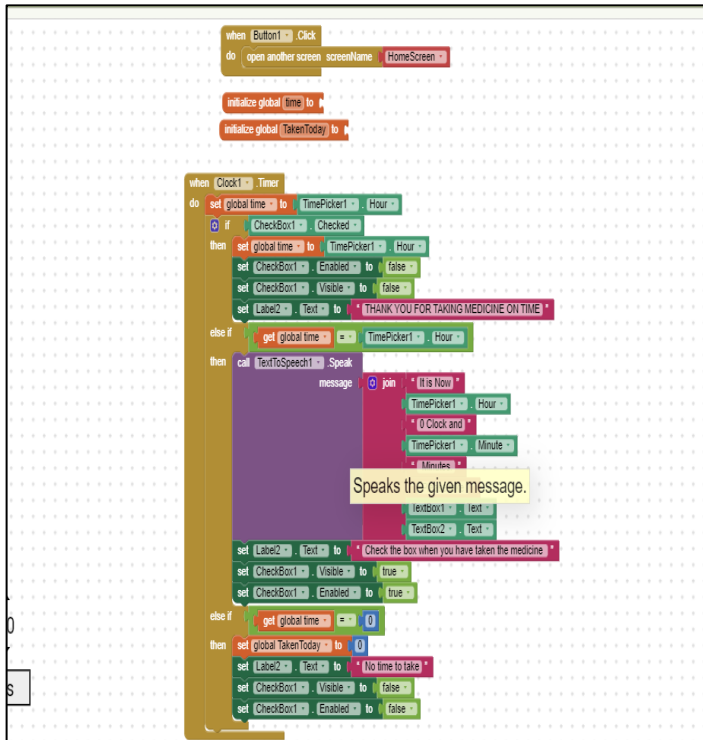
HOME SCREEN

```
when Button1 .Click
do  open another screen screenName Screen1

when Button2 .Click
do  open another screen screenName MedShopping

when Button3 .Click
do  open another screen screenName MedChat

when Button4 .Click
do  open another screen screenName Emergency
```

MEDICINAL SHOPPING SCREEN

```
when Button1 .Click
do  set ActivityStarter1 . Action to " android.intent.action.VIEW "
    set ActivityStarter1 . DataUri to " https://www.apollopharmacy.in/?gclid=Cj0KCQiApb2... "
    call ActivityStarter1 .StartActivity

when Button2 .Click
do  set ActivityStarter1 . Action to " android.intent.action.VIEW "
    set ActivityStarter1 . DataUri to " https://www.netmeds.com/healthstore?source_attri... "
    call ActivityStarter1 .StartActivity

when Button3 .Click
do  set ActivityStarter1 . Action to " android.intent.action.VIEW "
    set ActivityStarter1 . DataUri to " https://pharmeasy.in/ "
    call ActivityStarter1 .StartActivity

when Button4 .Click
do  set ActivityStarter1 . Action to " android.intent.action.VIEW "
    set ActivityStarter1 . DataUri to " https://www.medplusmart.com/ "
    call ActivityStarter1 .StartActivity

when Button5 .Click
do  open another screen screenName HomeScreen
```

MEDCHAT SCREEN

```
initialize global chat to create empty list
initialize global message to " "
initialize global name to " "

when Save .Click
do  set global name to TextBox2 . Text

when Send .Click
do  set global message to TextBox1 . Text
    call CloudDB1 .AppendValueToList
                         tag    " chat "
                  itemToAdd   join   get global message
                                     " "
                                     get global name

when MedChat .Initialize
do  call CloudDB1 .GetValue
                         tag    " chat "
             valueIfTagNotThere  create empty list

when CloudDB1 .GotValue
tag  value
do  set global chat to get value
    set ListView1 . Elements to get global chat

when CloudDB1 .DataChanged
tag  value
do  set global chat to get value
    set ListView1 . Elements to get global chat
```
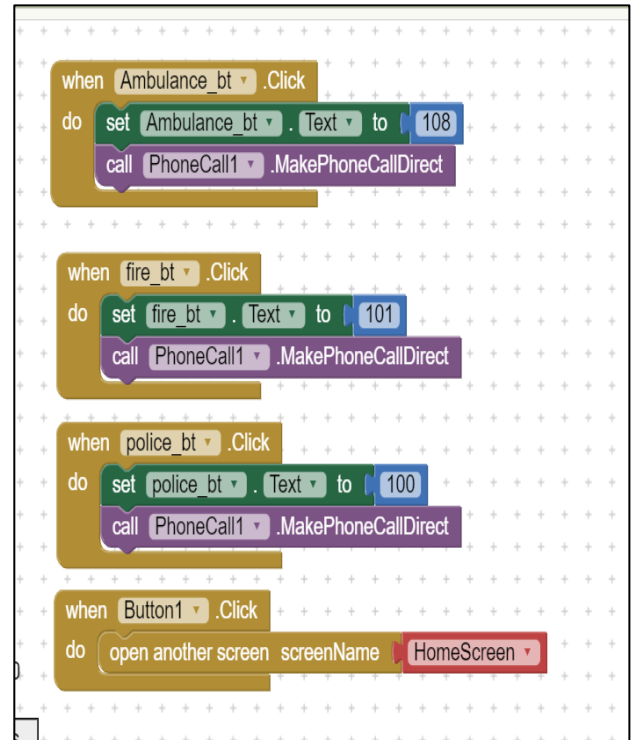
CODE BLOCKS-MIT APP INVENTOR:

SET ALARM SCREEN

EMERGENCY SCREEN

RESULT:

Thus, by the end of the Sprint 3, Project dashboard is designed and tested successfully.