

Sprint-3

Date	12 November 2022
Team ID	PNT2022TMID42300
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**

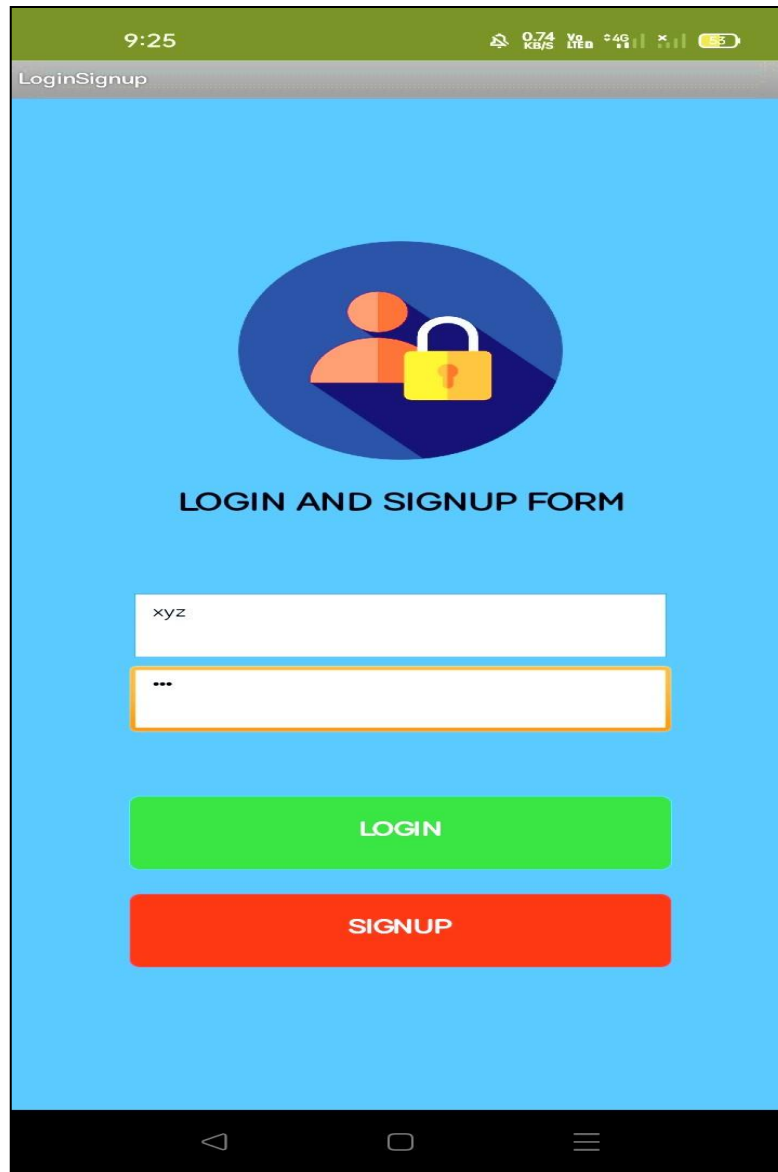
APP DEMO:

❖ 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.

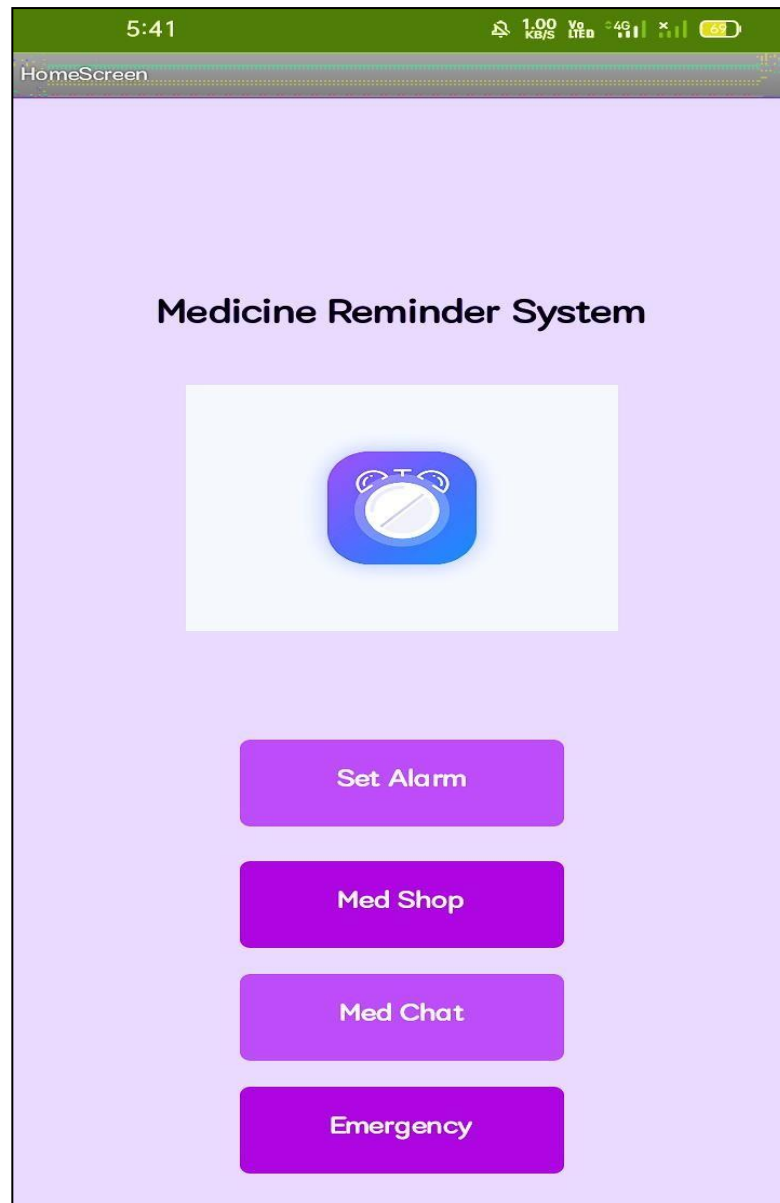
❖ We make use of Node red, IBM Watson, TTS service &Cloudant DB, for the project's workflow.

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:

MEDICINE DOSAGE:

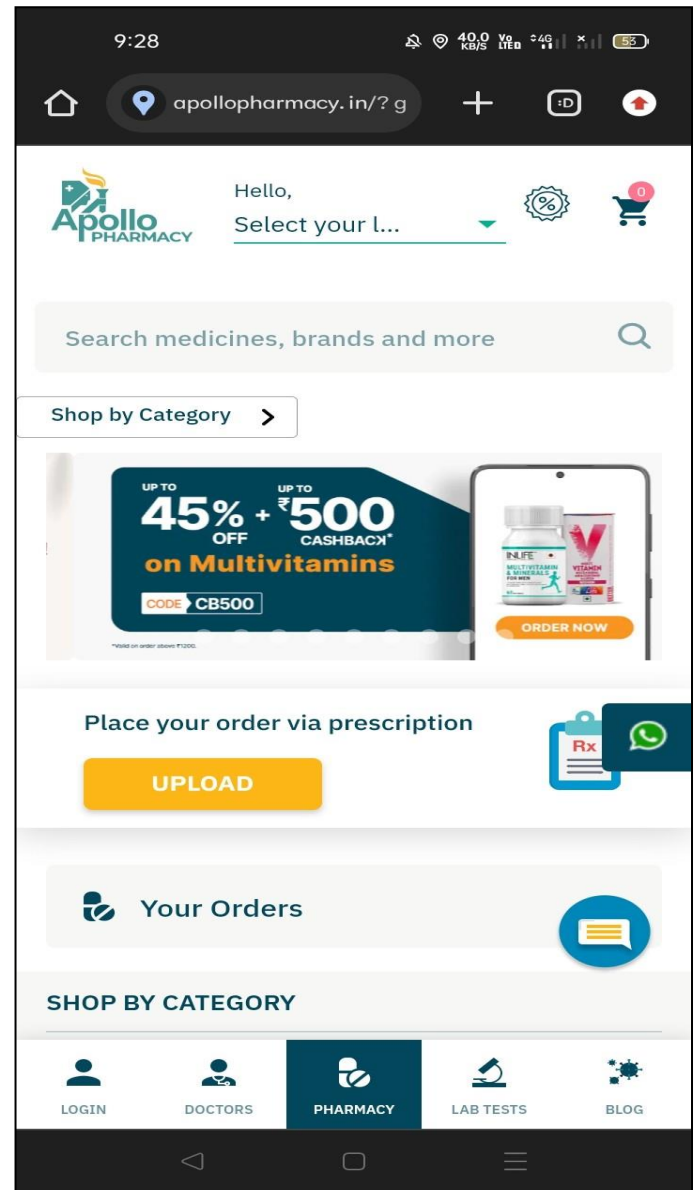
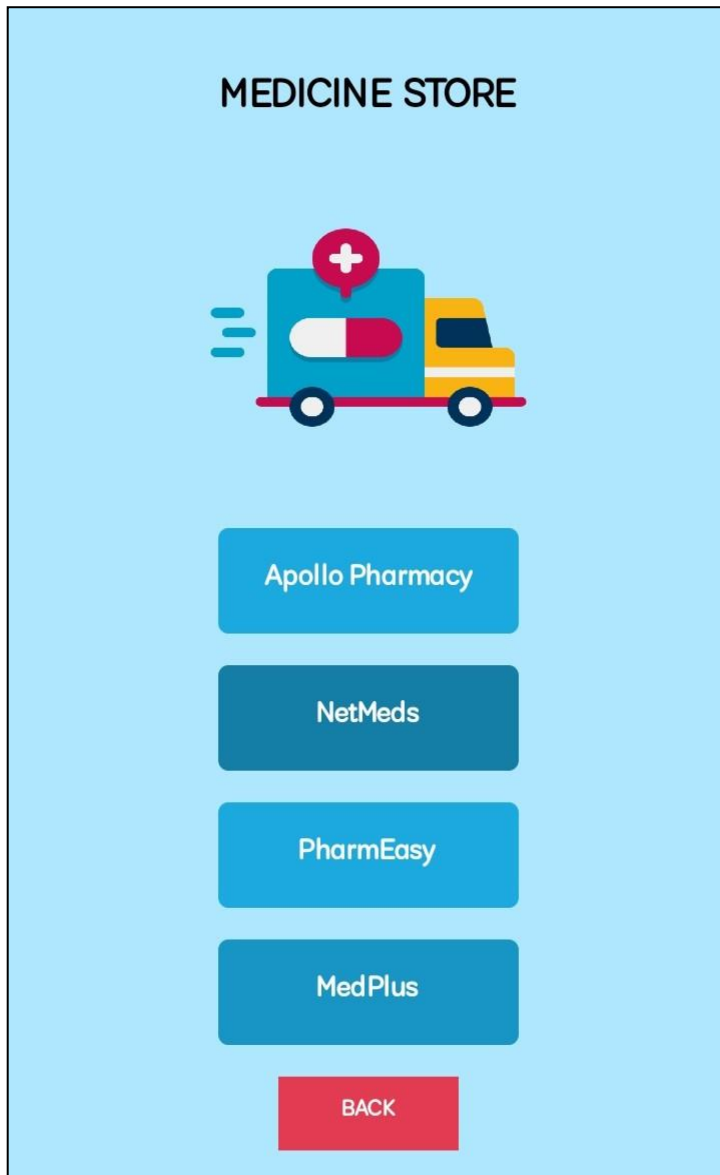
SELECT TIME:

SELECT DATE:

☐ Tick the check Box when you take the medicines

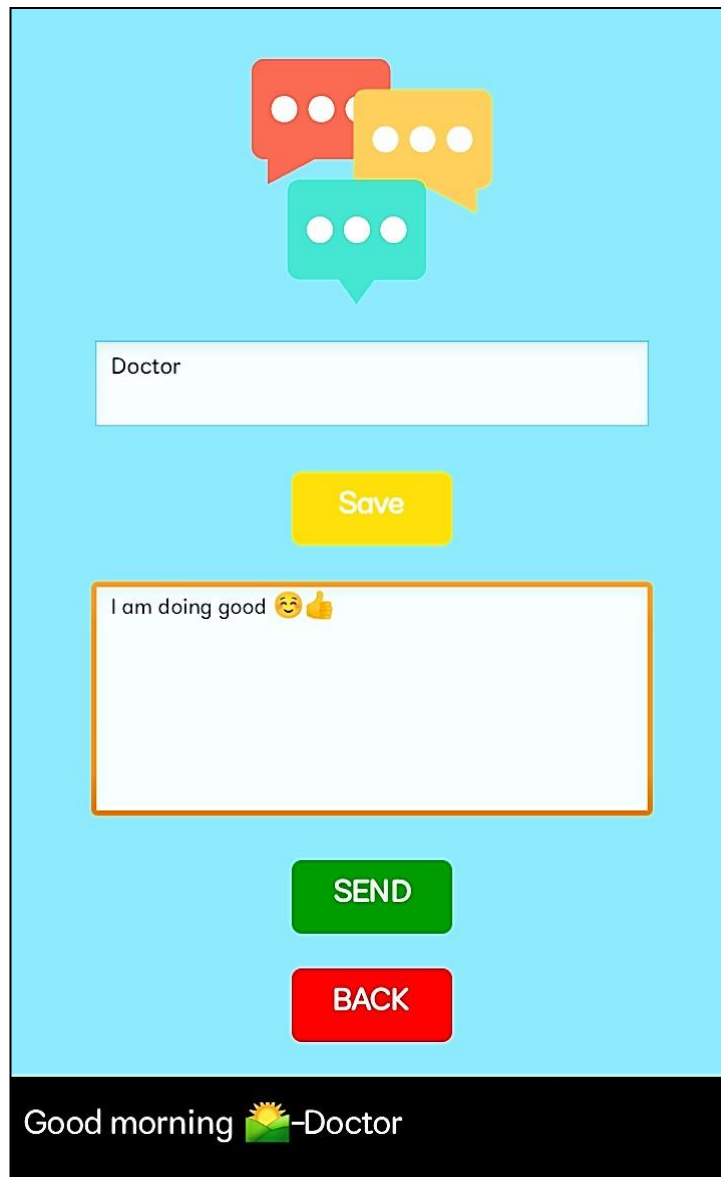
- ❖ In this Screen, user can able to see all the options to set the alarm.
- ❖ User can first add their medicine name & Dosage in the appropriate textboxes.
- ❖ Then they have an option to set the alarm with the help of date and time picker.
- ❖ After submitting all the details, user can get reminder 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)

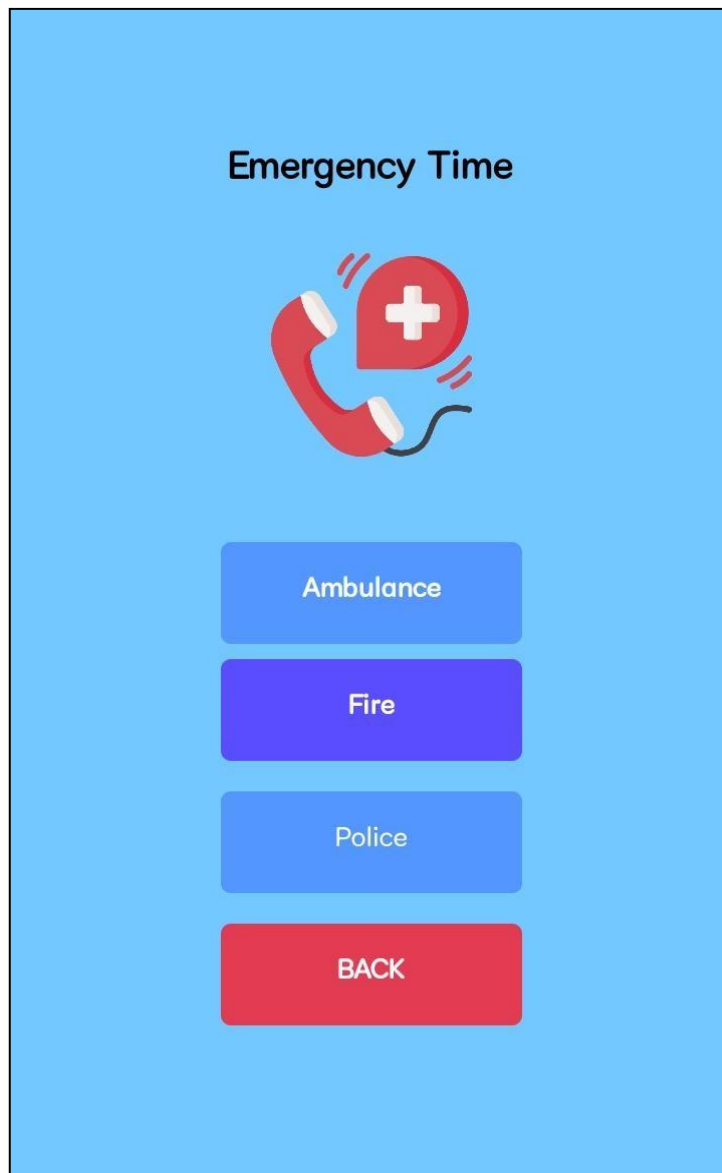
5) MEDICAL CHAT SCREEN:



The image shows a mobile app interface for a medical chat screen. At the top, there are three overlapping speech bubbles in red, yellow, and teal. Below them is a white text input field with the placeholder text "Doctor". Under the input field is a yellow "Save" button. Below the "Save" button is a larger white text area with an orange border, containing the text "I am doing good" followed by a smiley face and thumbs up emoji. Below the text area are two buttons: a green "SEND" button and a red "BACK" button. At the bottom of the screen is a black footer bar with the text "Good morning" followed by a sun and leaf icon and the text "-Doctor".

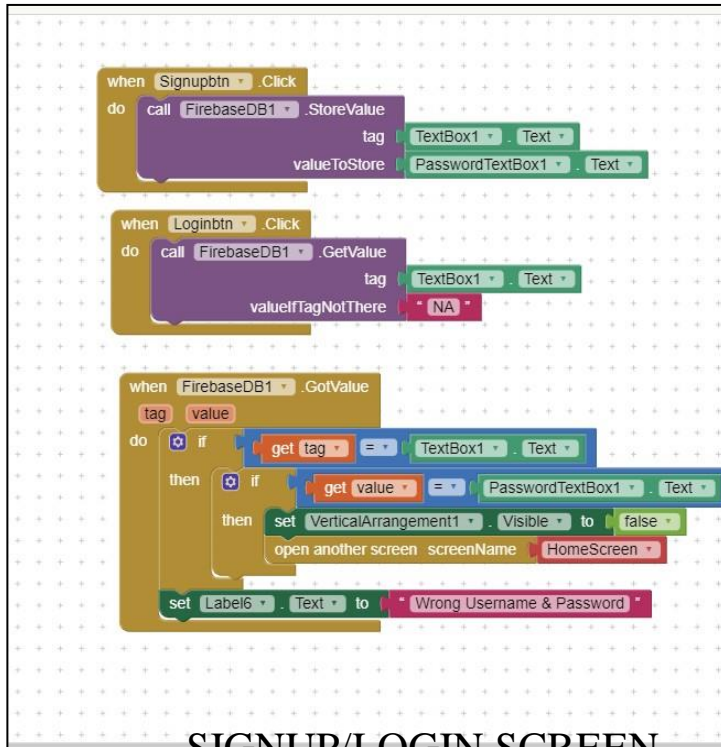
- ❖ In this Screen, user can able to chat with their doctors.
- ❖ User have to give the contact's name whom they want to send message.
- ❖ Above screenshots is an example, when user send the message to the doctor.

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:



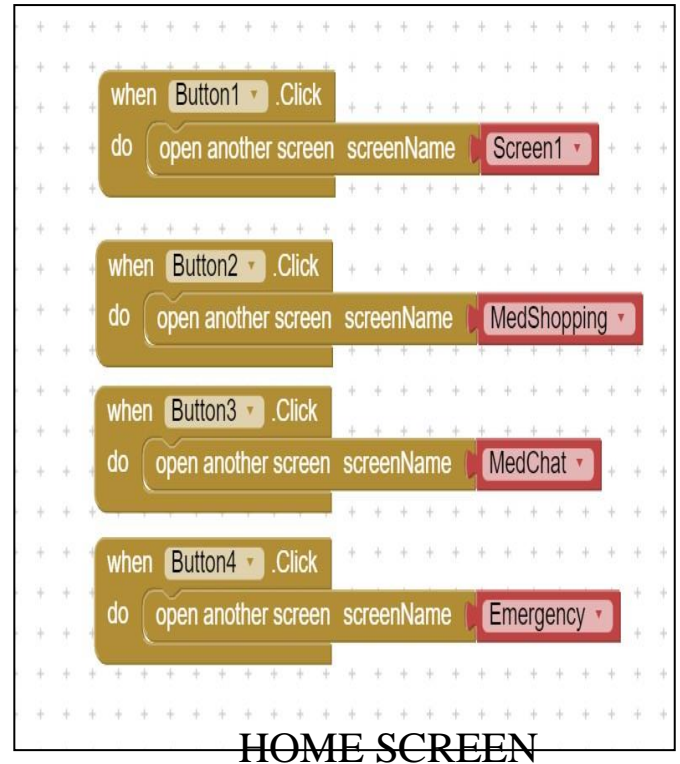
```

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"
  
```

SIGNUP/LOGIN SCREEN



```

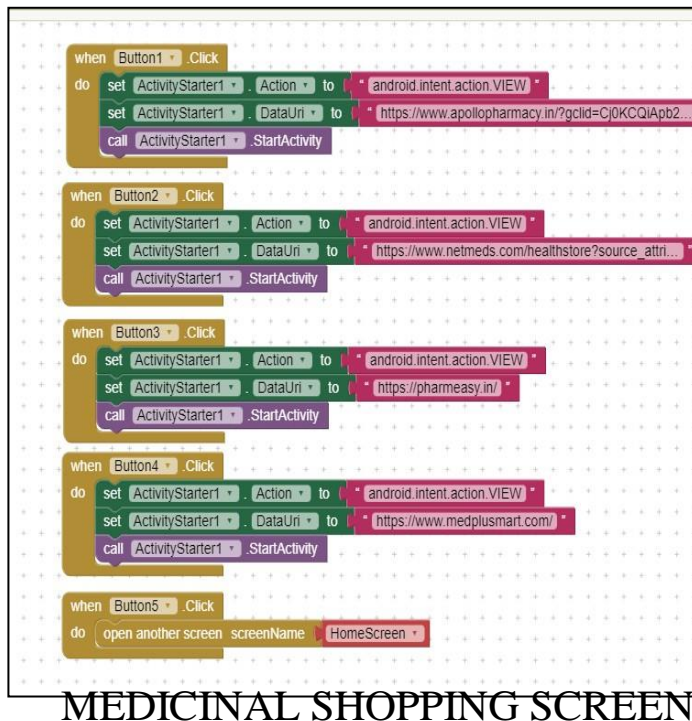
when Button1.Click
do
  open another screen screenName Screen1

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
  
```

HOME 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

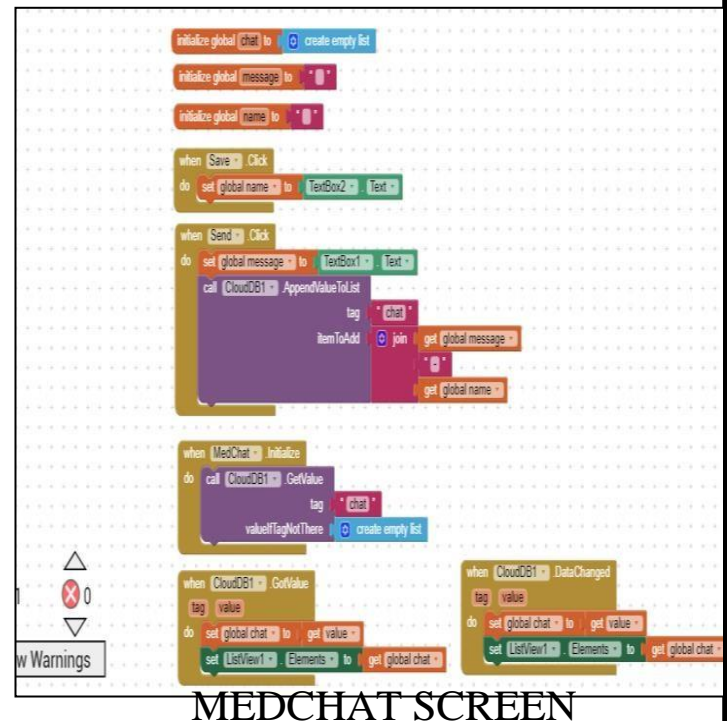
when Button2.Click
do
  set ActivityStarter1.Action to android.intent.action.VIEW
  set ActivityStarter1.DataUri to https://www.netmeds.com/healthstore?source_attri...
  call ActivityStarter1.StartActivity

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
  
```

MEDICINAL SHOPPING 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

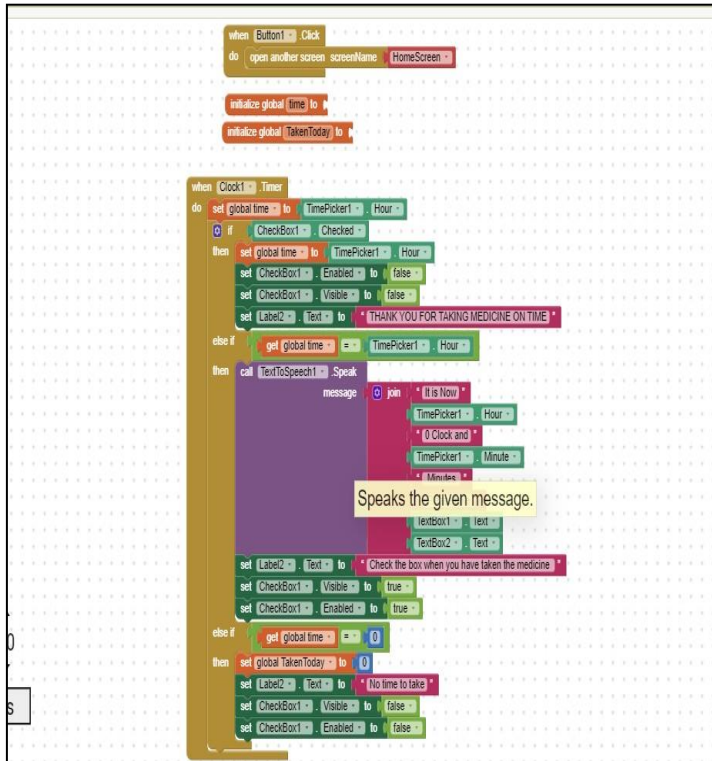
when MedChat.Initialize
do
  call CloudDB1.GetValue
  tag chat
  valueIfTagNotThere create empty list

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

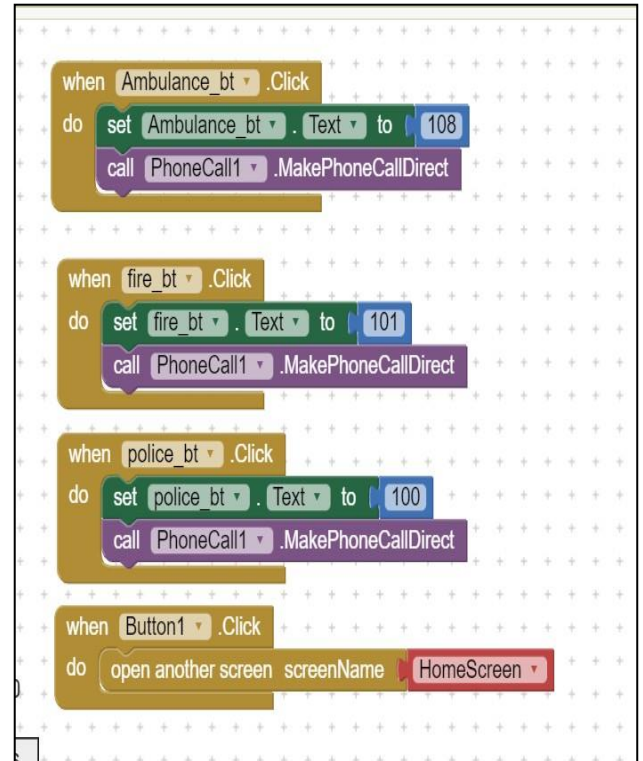
when CloudDB1.DataChanged
tag value
do
  set global chat to get value
  set ListView1.Elements to get global chat
  
```

MEDCHAT SCREEN

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.