

# **Project**

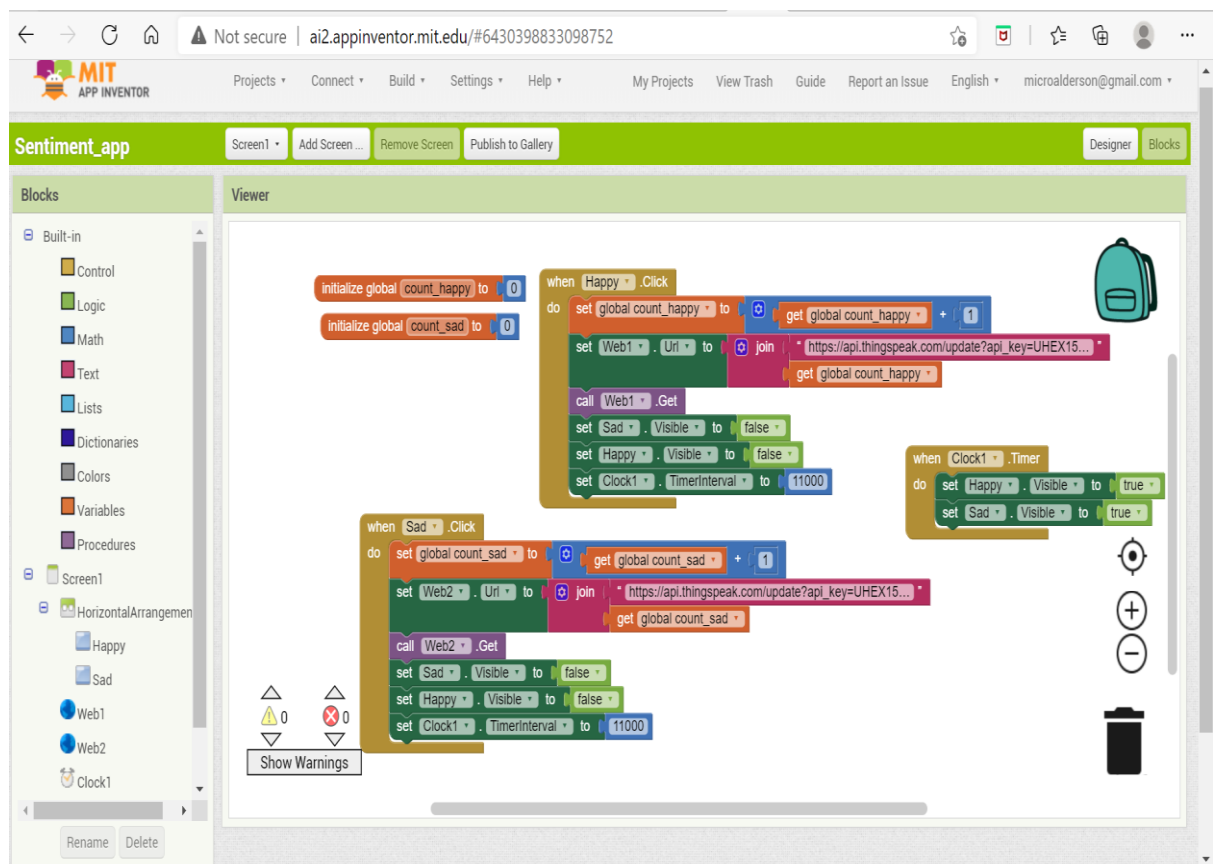
**Create an App with two buttons for providing Positive and Negative feedback using MIT App Inventor.....**

# ***Platforms Used***

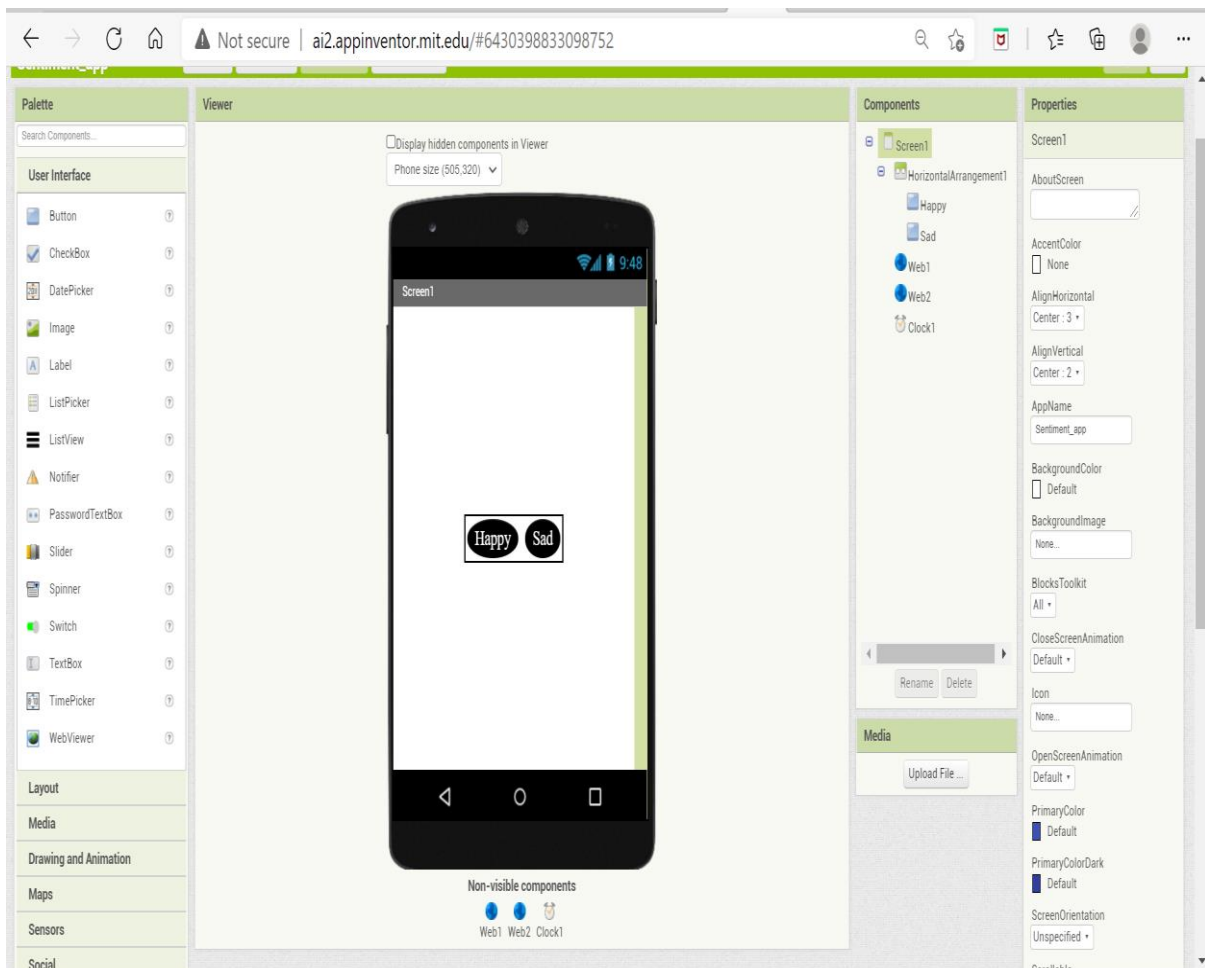
- MIT App Inventor- For generating data
- Thingspeak-For collecting data

# Block Screen –MIT Inventor

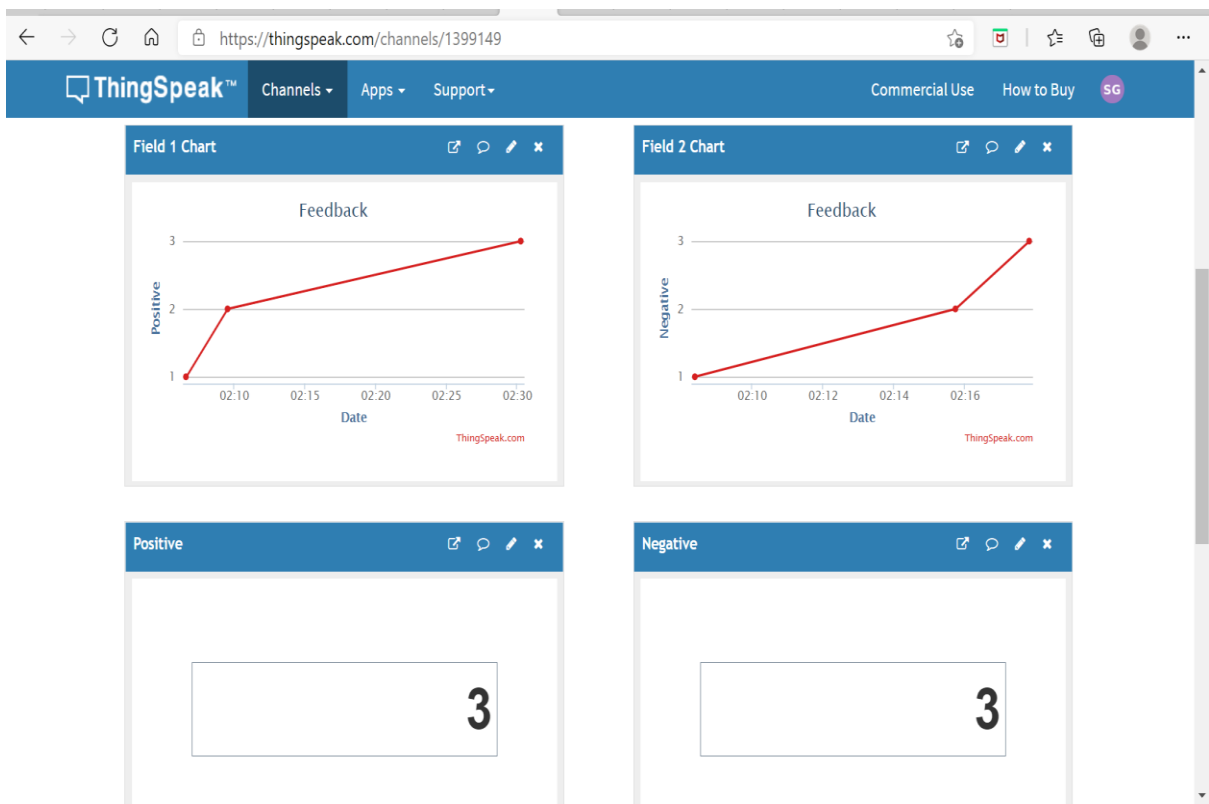
## App



# *Designer Screen –MIT App Inventor*



# Thingspeak Channel



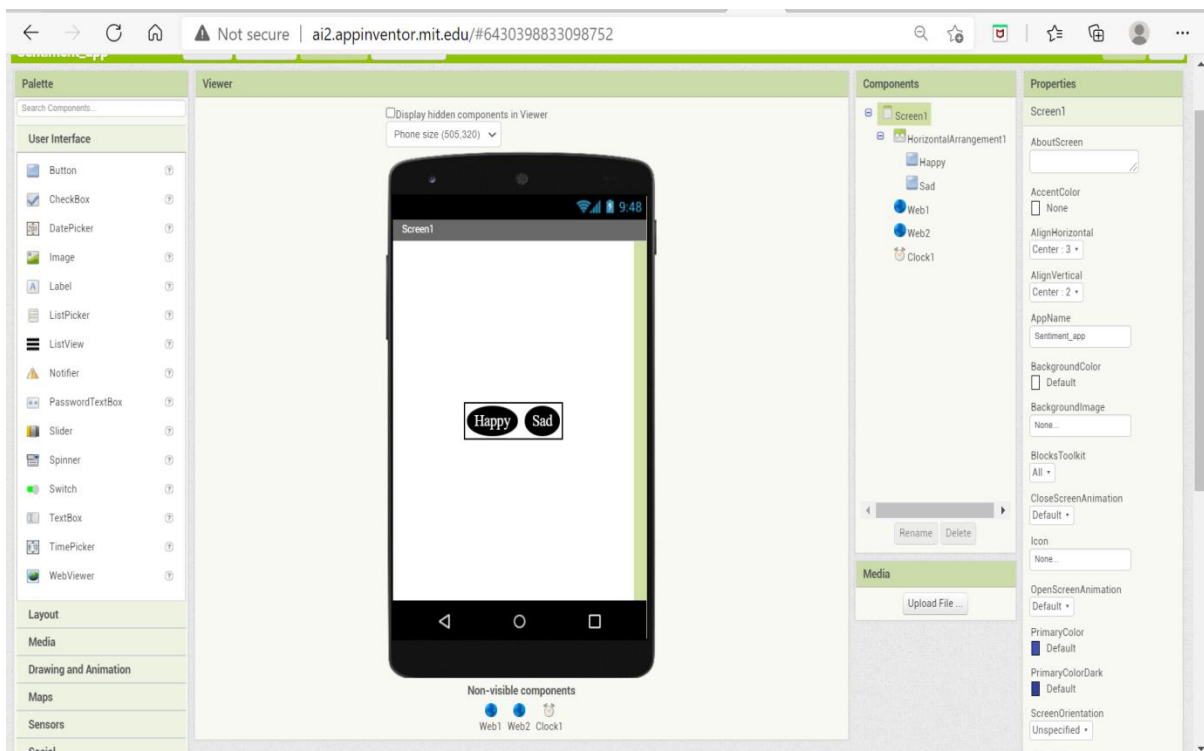
# **Working**

- MIT App Inventor has been used to develop front-end of the app.
- The app is a working model of customer satisfaction buttons available in supermarkets.
- The app displays buttons -“Happy” &”Sad”.
- Every time the button is pressed , both the buttons are disabled for ten seconds.
- The data is sent to thingspeak channel each time one of the button is pressed.
- On the thingspeak channel we can see the total number of customers that have given positive and negative feedback separately in two numerical widgets.

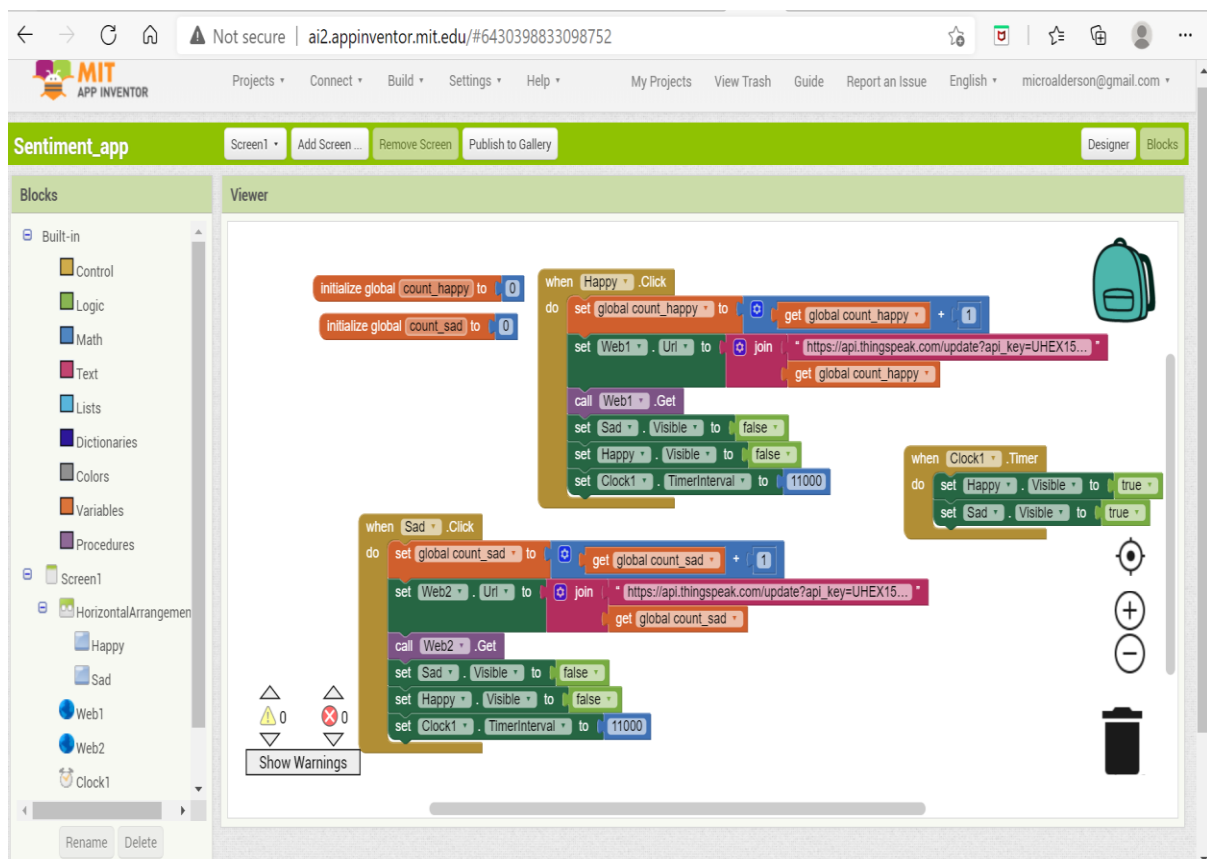
# *Explanation*

## Development of app-

- First of all , two buttons are added from the user interface section. These buttons are renamed as “Happy”&”Sad” and are horizontally aligned using Layout section.
- The basic editing is done in the properties section.
- As we need to send data to our thingspeak channel, we have to add two web (two different API links for two feedbacks).
- To disable buttons, clock has been added.



- Now the coding is done in Blocks screen.
- First of all two variables , count\_happy and count\_sad are initialized to zero.
- Then we add two when-do blocks one for happy block and other one for sad block.
- The logic behind the code is that when either of the button is clicked , the counter is increased by one and the updated value of counter is passed to thingspeak channel.
- After that the visibility of both the buttons is set to false and clock set to twelve seconds. After twelve seconds buttons reappear. This is done using another when-do block for clock.
- Both the buttons contain API link of fields of channel.





## **Creating a ThingSpeak channel-**

- To setup a ThingSpeak channel, first sign up for Thingspeak . Then login and click on Channels.
- A new Channel is created by clicking on the New Channel button and entering relevant information.
- After creating a channel two numerical widgets one for each field are added in public view.
- From the API section, API request for writing the channel field is added to the app using web.
- From sharing menu, channel sharing must be set to “Share channel view with everyone”.

## **Testing the app-**

- The app is tested using AI companion app which can be downloaded from playstore.

## **Building the app-**

- The app can be downloaded by selecting “App(provide QR code for .apk)”from “Build” dropdown menu.

## **Link for downloading app-**

<https://drive.google.com/file/d/1fub92rFJ1tT7KVX92HUK3iPmZIFTy8T4/view?usp=sharing>



