# Farm2Family

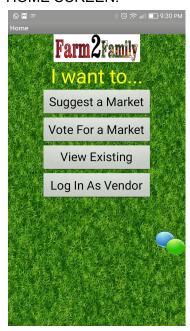
# Description:

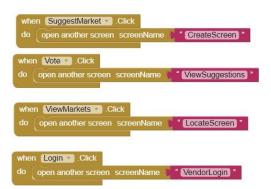
This application was developed using MIT App Inventor, employing Google Fusion Tables. It connects consumers to local food markets to facilitate healthy eating habits, allows vendors to promote their local business, and provides information to connect low-income consumers to food markets with SNAP, WIC, etc.

The app has 6 main functions:

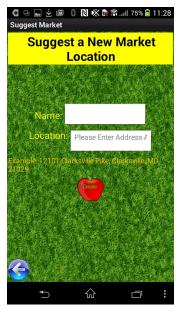
- 1) Suggest a market
- 2) Vote for a market
- 3) View Existing Markets
- 4) Log in As Vendor

#### HOME SCREEN:





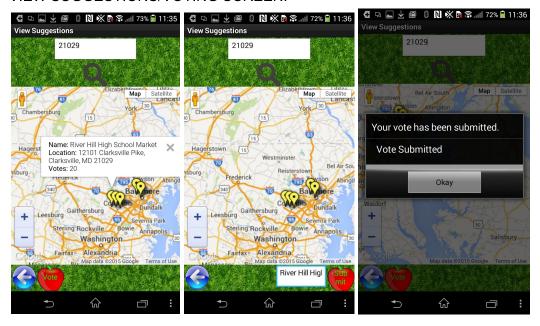
# SUGGEST MARKET SCREEN:



The user can enter the name and location of a farmer's market they know and add it to the database of markets the app is connected to. This market that the user suggested will show up on the View Suggestions page.

```
Back1 . Click
     initialize global address to " ..."
                                                                                                        enName [ " Screen1 "
            e global TABLE_ID to 10205q4_zlv6c7SjBPCTUN71XqdZfPmzehTkAiuEB 1
           ize global API_KEY to AlzaSyCq82ldcXriAQ3KZj4nBOerLkudp7pjujY "
                                                                                     set FusiontablesControl1 . ApiKey to get global API_KEY
                                                                                      call FusiontablesControl1 .ForgetLogin
        hen Create . Click
                                                                                                           to quotify str
                        Name v . Text v = v or v Location v . Text v = v
                                                                                                                            replace all text
            then call Notifier1 . ShowMessageDialog
                                                            Name . Text = * )
                                                                                                                             replacement | " " " "
                                                     then Please enter event name.
                                                          " [Please enter address.] "
                                              title
                                                     " Enter Information "
                                                    " Okay "
                                        buttonText
                                                                               to insertDataInTable
                 set global eventname v to Name v Text v
                                                                                   set FusiontablesControl1 . Query to
                                                                                                                                     INSERT INTO
                 set global address v to Location v Text v
                                                                                                                                    get global TABLE_ID •
 <u>∧</u> 0 ⊗ 0
                call (insertDataInTable *
Show Warnings
                                                                                                                                    (Name, Location, Votes, Icons)
                                                                                                                                    " VALUES "
```

# VIEW SUGGESTIONS/VOTING SCREEN:



The user can enter their zip code and upon clicking the search button, the app will search the database for nearby markets and display them on a map. Each market can be clicked on for additional information, including whether it has WIC or SNAP. The user can also see their location in relation to these markets. The user can also vote for markets they like. These votes will be displayed.

```
initialize global Zip to 📜 " 🗎 "
                                             initialize global name to 📜 " 📑 "
  initialize global TABLE_URL to https://www.google.com/fusiontables/embedviz?viz.... *
 initialize global TABLE_ID to "1WSelpBCLEHfhPTLZeB3ReibxIZXH6IXANtsFkPec"
                                                                                 when back2 · Click
do open another screen screenName * Screen1 *
   initialize global API_KEY to ( "AlzaSyCq82ldcXriAQ3KZj4nBOerLkudp7pjujY "
     en searchsug Click

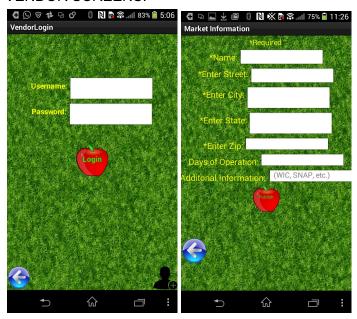
② set @lobal zip v to TextBox1 v Text v

set WebViewer1 v . HomeUr1 v to v get @lobal TABLE_URL v
                                                                                   en votebutton v Click
set votebox v Visible v to true v
set submit v Visible v to true v
       call WebViewer1 .GoHome
     call selecRowID *
                                                                                    set votebutton v . Visible v to false v
    when submit .Click
      set FusiontablesControl1 • . ApiKey • to get global API_KEY •
                                                                                  to quotify str
         et global name v to votebox v . Text v
                                                                                                                                                                    -0-
                                                                                                   replace all text | get str v
       call selecRowID •
       call countVote •
                                                                                                                               to reset
                                                                                                     replacement " " " "
               x get global rowid •
                                                                                                                              do set votebox v . Visible v to false v
                                                                                                                                  set submit . Visible . to false
   to countVote 🗶
                                                                                                                                 set votebutton . Visible to true
  do set FusiontablesControl1 ▼ . Query ▼ to ( join ( "UPDATE "
                                                                                      to selecRowID
                                                                            set FusiontablesControl1 • . ApiKey • to get global API_KEY •
                                                                               to quotify str
     set global name v to votebox v . Text v call selecRowID v
                                                                                                              get str
     call countVote •
                                                                                                              "8"
     x | get global rowid •
                                                                                                                           do set votebox · . Visible · to false · set submit · . Visible · to false ·
to countVote 🗶
                                                                                                                              set votebutton . Visible to true
do set FusiontablesControl1 . Query to poin
                                                       "UPDATE
                                                       get global TABLE_ID •
                                                                                    do set FusiontablesControl1 . Query to
                                                                                                                                            SELECT ROWID, Votes FROM
                                                        SET "
                                                                                                                                           get global TABLE_ID •
                                                       Votes =
                                                                                                                                            " WHERE "
                                                       get global votes
                                                                              Yo
                                                                                                                                           " Name = "
                                                        WHERE "
                                                                                                                                         call quotify *
                                                       ROWID =
                                                                                                                                                    str get global name
                                                     call quotify *
                                                                                        call FusiontablesControl1 .SendQuery
   call FusiontablesControl1 .SendQuery
```

```
hen FusiontablesControl1 .GotResult
                                                                                                                             call Notifier1 . ShowMessageDialog
                                                                                                                                                                                                                                                                                                                         message get result • Vote Submitted • buttonText • Okay •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               initialize global rowid to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   initialize global votes to 1 1 1 1
                                                                                                                   call reset contains text get result piece contains text get result set global rowData to segment text get result start get result start get result get result second get result 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          initialize global rowData to 📜 📲 📑
                                                                                                                           set global rowData to segment text start length length get global rowData start length starts at text get global rowData start length starts at text get global rowData get global rowData length starts at text get global rowData length starts at text get global rowData length get global rowData get
                                                                                                                                       set global votes to get global votes + 1 Values:
                                                                                                                                 call Notifier ShowMessage Dialog
message
title
button Text

Citay **
                                                                                                                               call Notifier1 .ShowMessageDialog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * There's been an error.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               get global rowid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               get result
                                                                                                                                                                                                                                                                                                                     title "Error"
buttonText "Dismiss"
Show Warnings call reset
```

# **VENDOR SCREENS:**



Vendors can create accounts and login on the app. Their information is stored in the database. Upon logging in, they can enter the market information shown above to have it appear on the map.

```
when LoginButton Click
do call TinyWebDB1 CetValue
tag UsernameBox Text when MakeAccount Click
do open another screen screenName RealCreateAccountScreen when Back Click
do open another screen screenName NewScreen1 
tagFromWebDB ValueFromWebDB

do if PasswordBox Text From VebDB was valueFromWebDB valueFrom
```

```
when CreateAccount .Click
    🗘 if
                CreatePassword •
                                                  CheckPassword •
                                   Text *
                                                                     Text *
    then
          call TinyWebDB1 . StoreValue
                                           CreateUsername *
                                     tag
                                                              Text •
                            valueToStore
                                           CreatePassword •
                                                              Text *
          open another screen screenName
                                             VendorLogin
```