

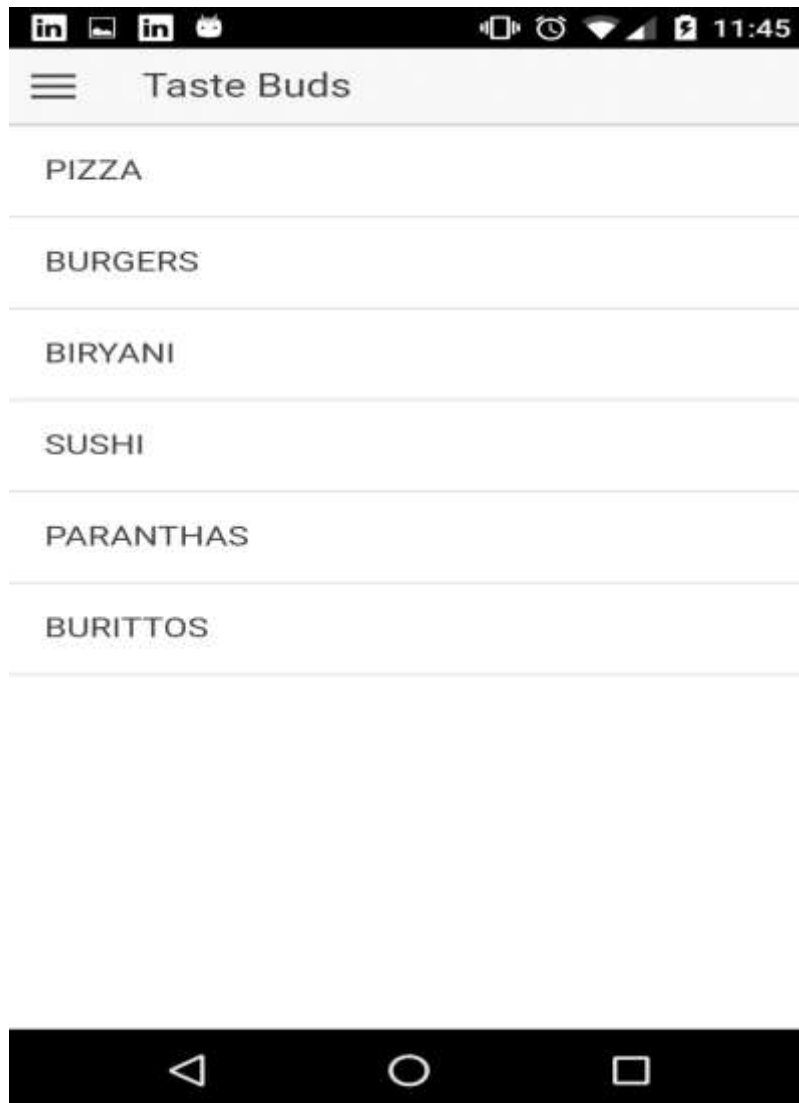
Lab 9

Cordova Plugin with YSlow Performance test

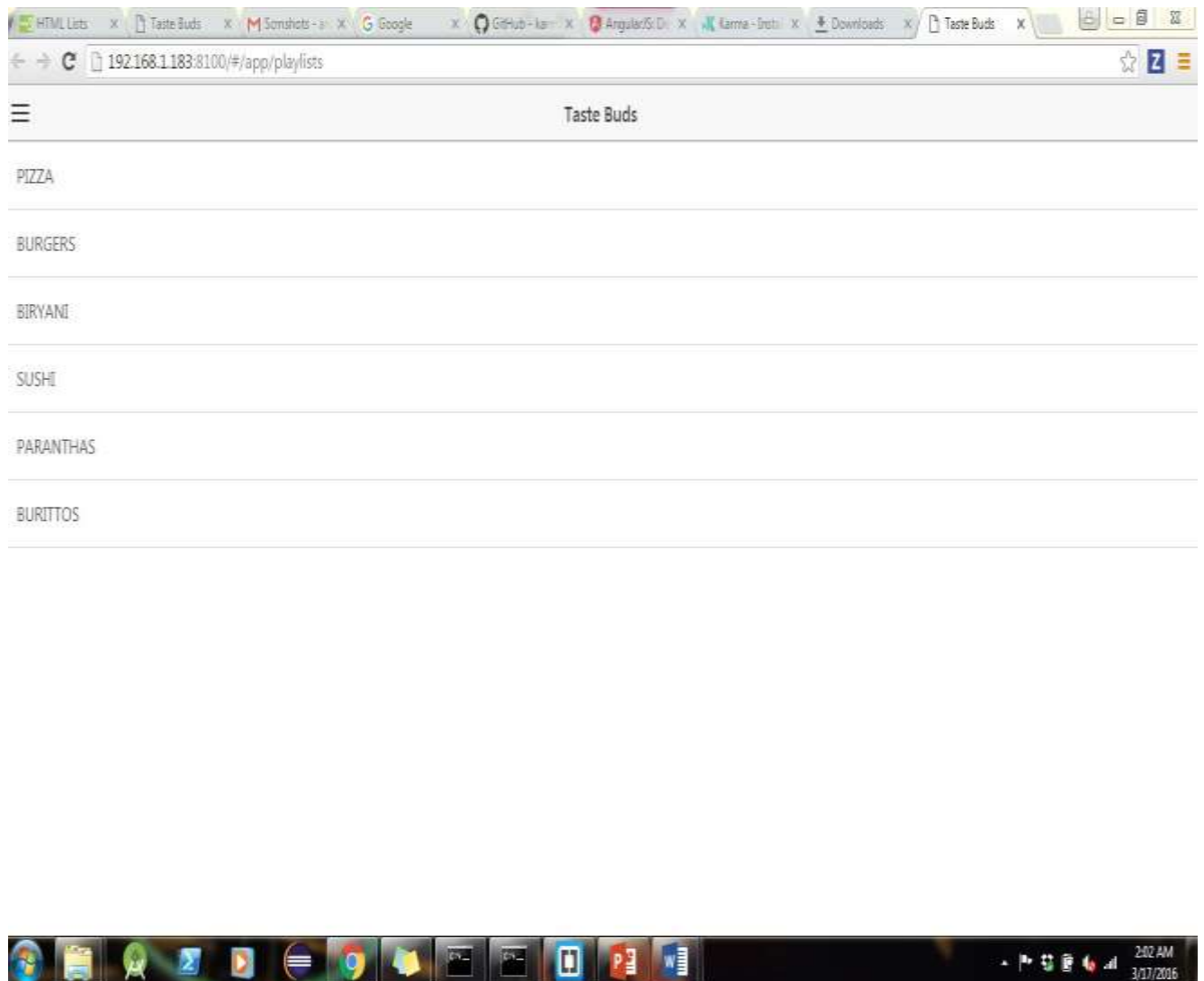
Created ionic Mashup of foursquare and weather API with Camera functionality with YSlow performance testing.

Screenshots:

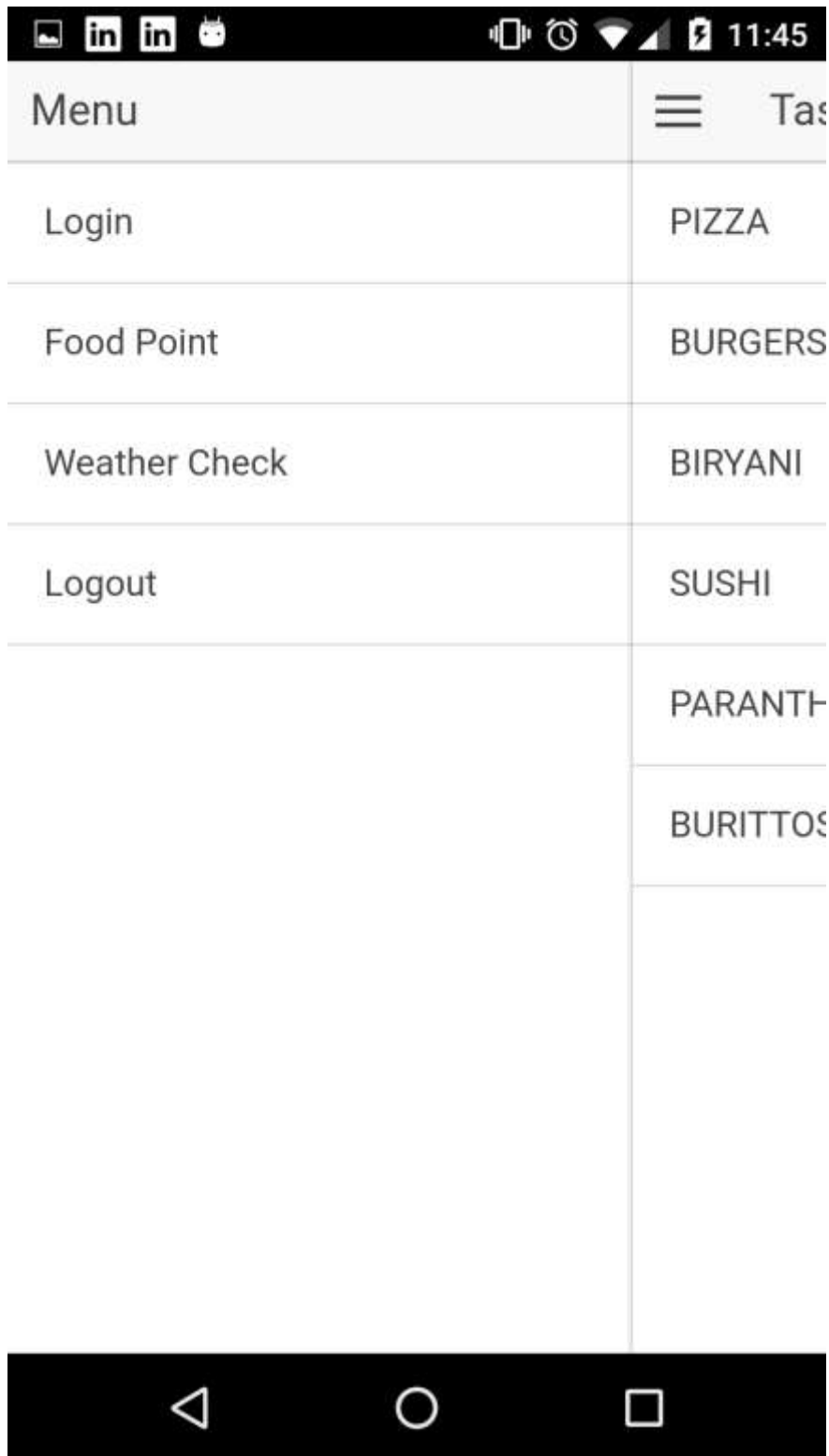
- *Home page of taste buds app using ionic with side menu feature with Android build.*



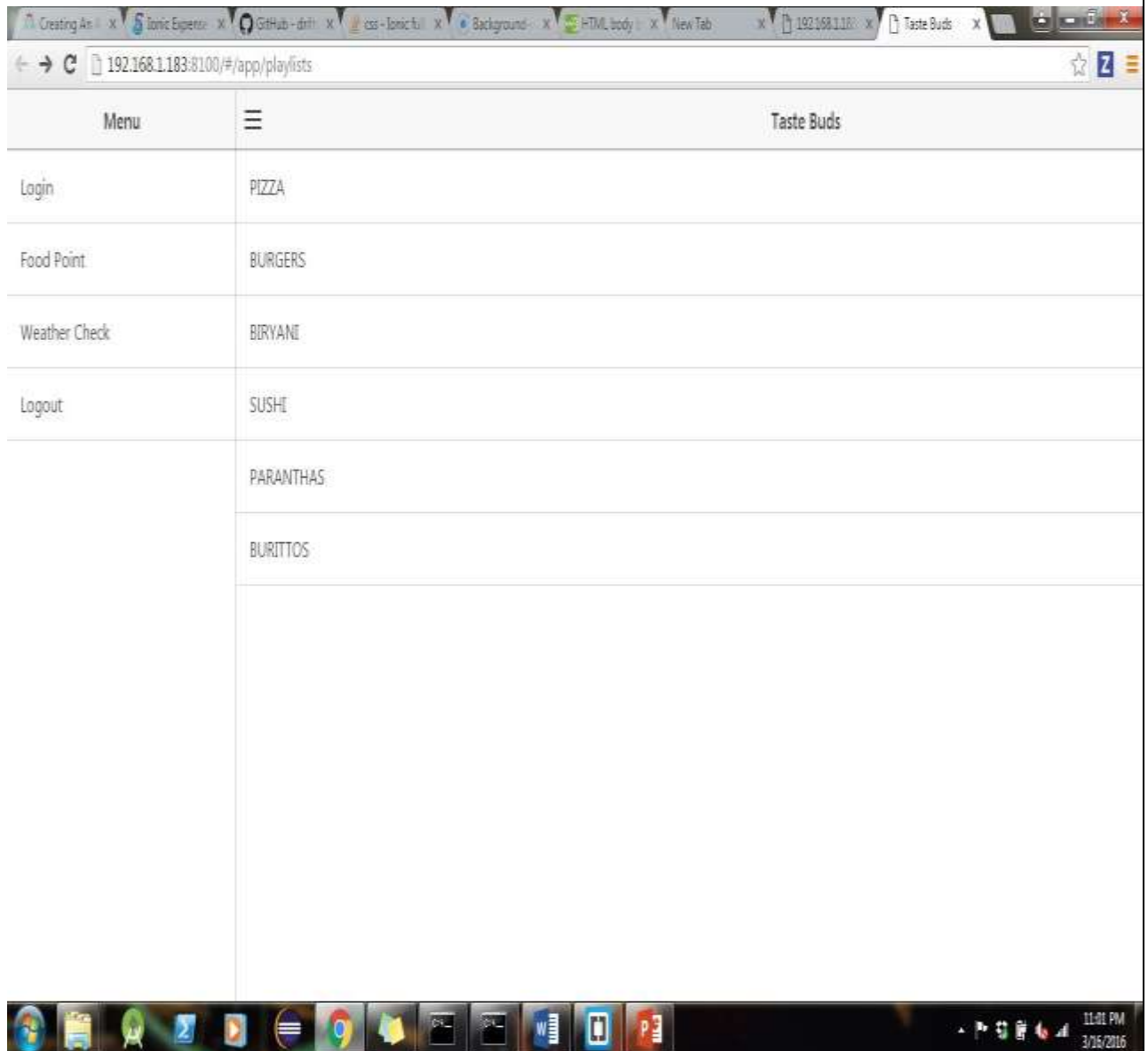
- *Home Page launched on web browser*



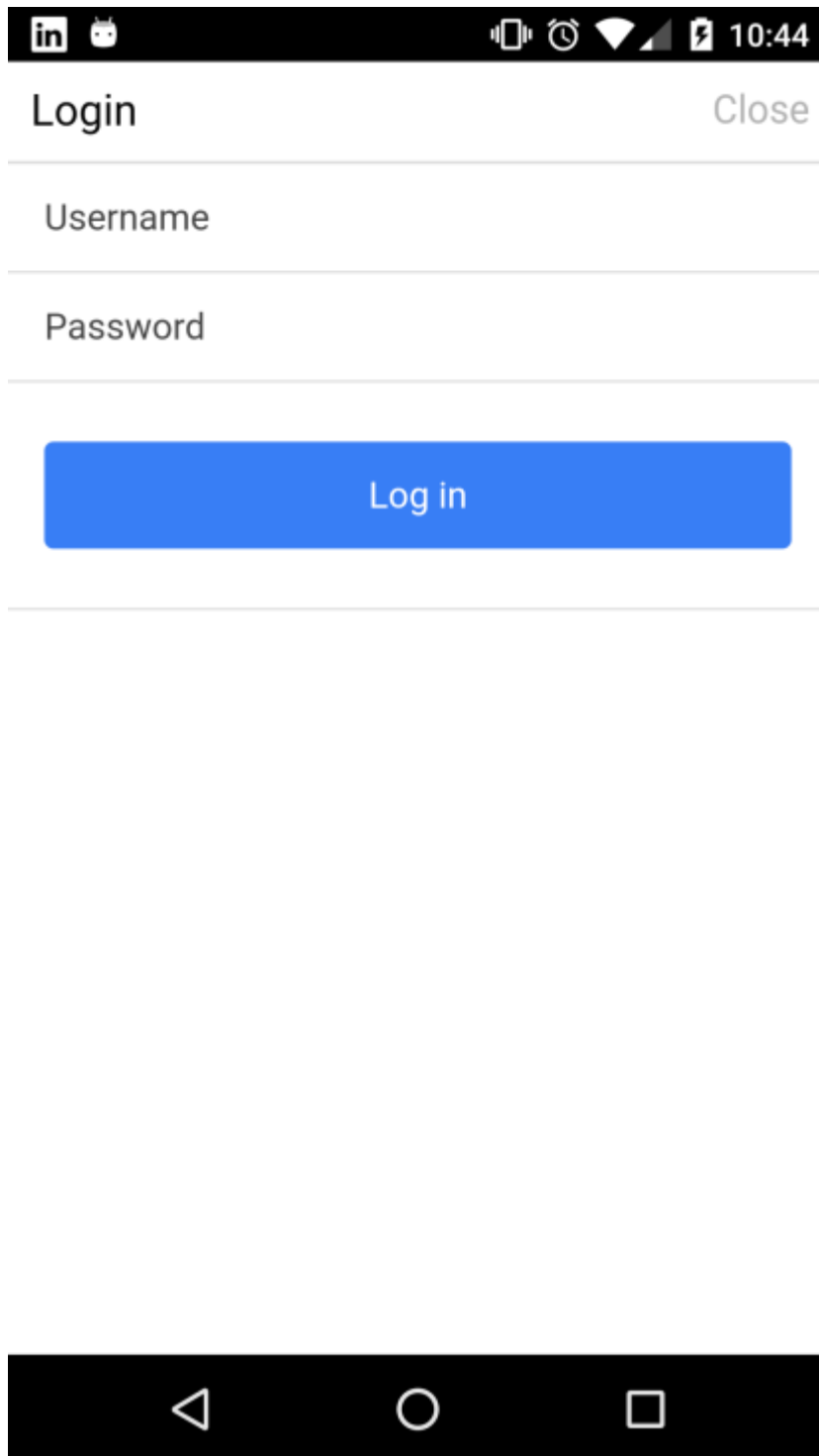
- *Side Menu bar with options available on android*



- *Menu available on web page*

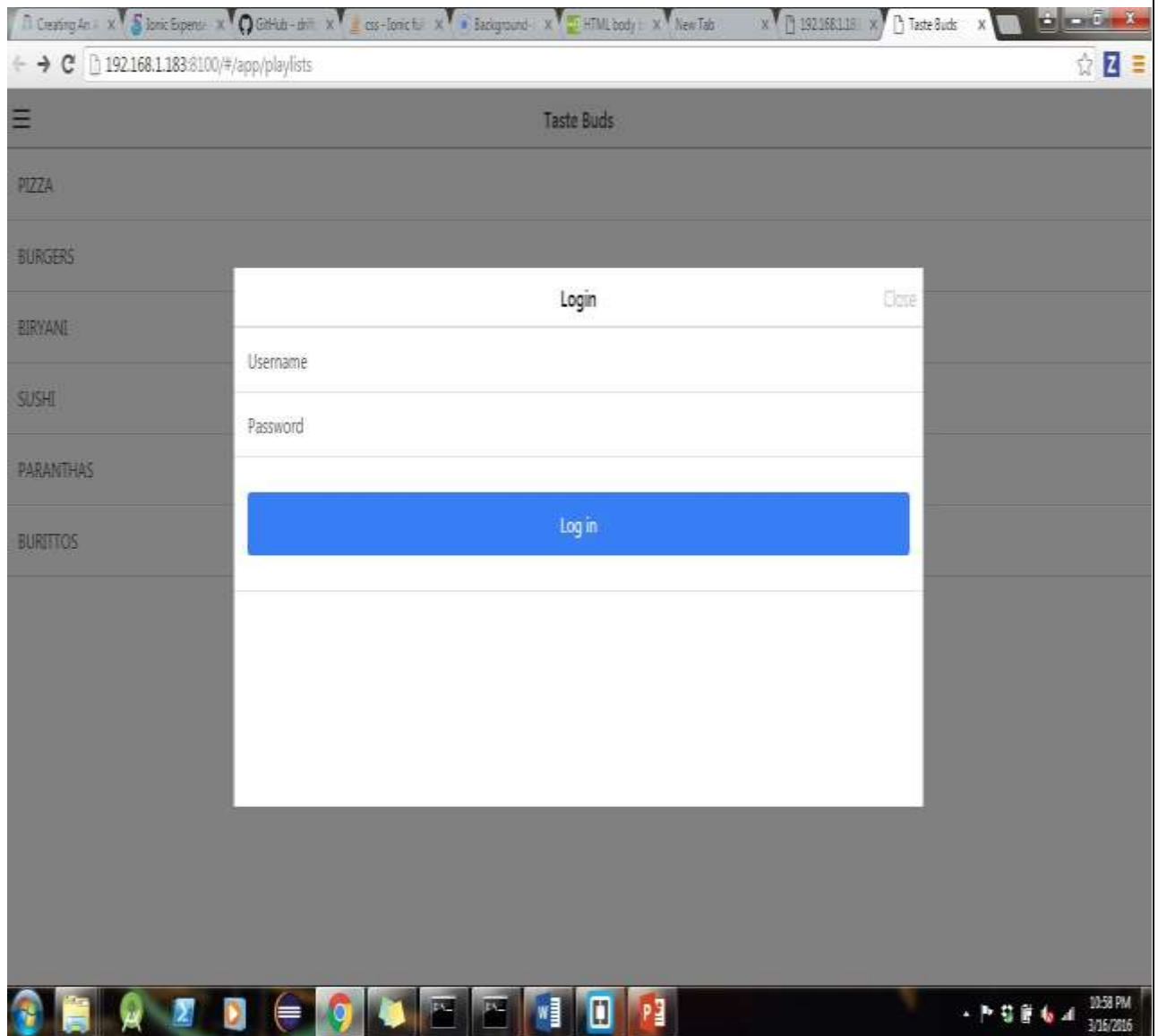


- *Login Page on Android*

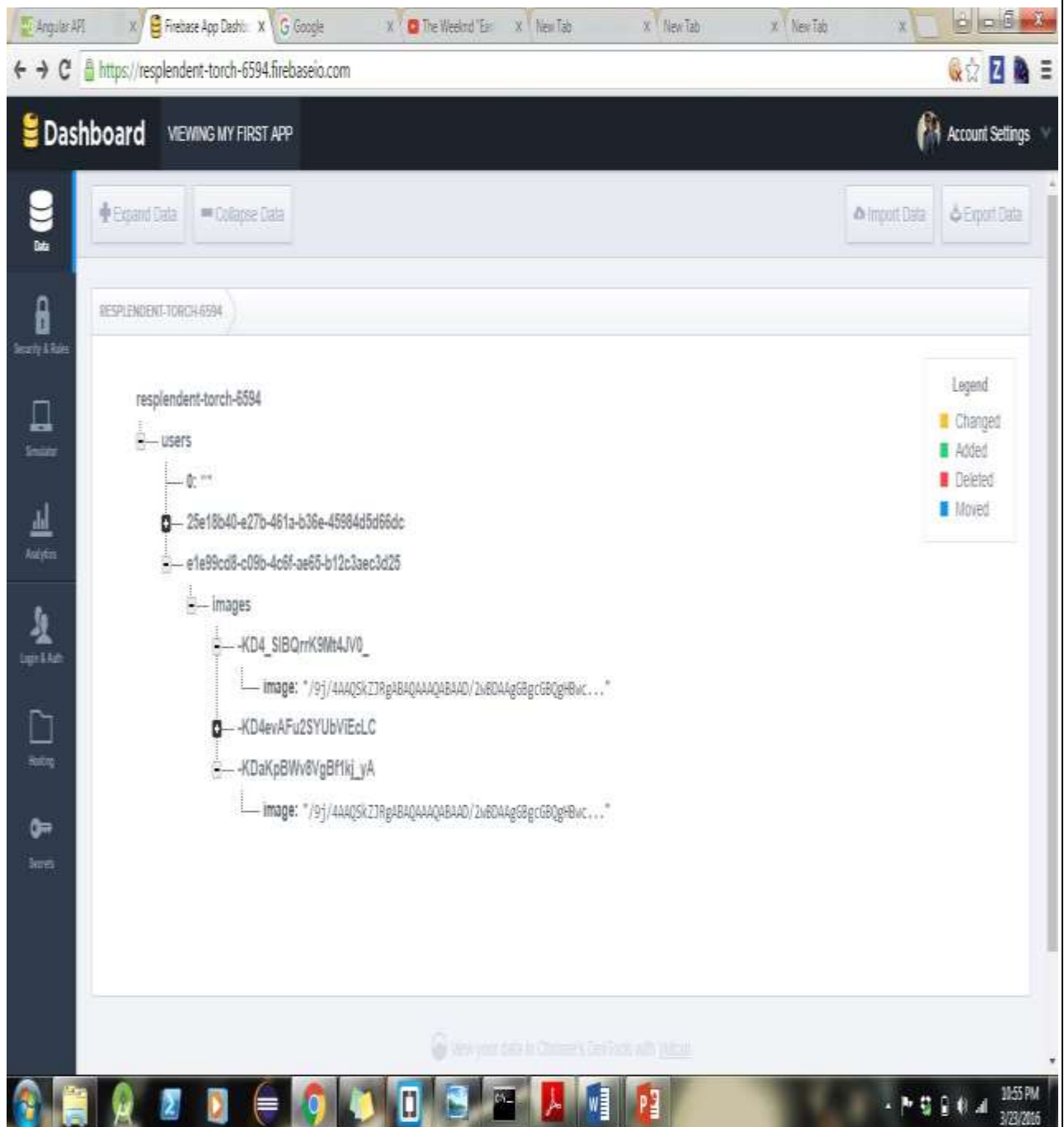


The image shows a screenshot of an Android application's login page. At the top, there is a black status bar with icons for LinkedIn, a robot, signal strength, alarm, Wi-Fi, battery, and the time 10:44. Below the status bar, the word "Login" is on the left and "Close" is on the right, both in a light gray font. A horizontal line separates this header from the input fields. There are two input fields: "Username" and "Password", each with a light gray border and a horizontal line below it. Below the "Password" field is a blue button with the text "Log in" in white. Another horizontal line is at the bottom of the form area. At the very bottom of the screen is a black navigation bar with three white icons: a triangle (back), a circle (home), and a square (recent apps).

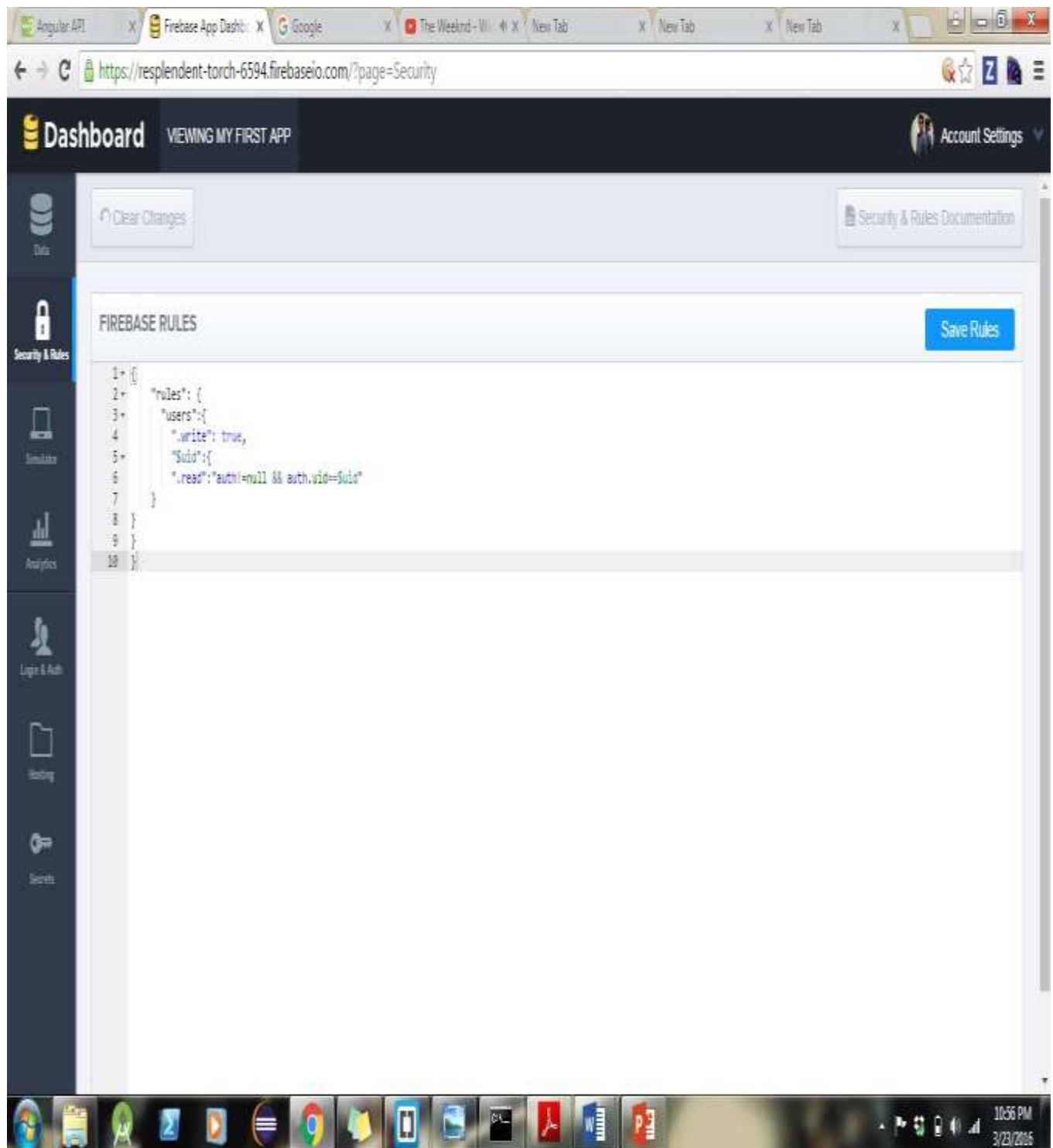
- *Login Page available on Web Page*



- *Firestore Storage*



- *Firebase Rules*



- *Successful Build*

The screenshot shows a Windows desktop environment. On the left, a command prompt window titled "Administrator: Node.js command prompt" displays the output of a Cordova build command. The output lists various CordovaLib tasks and their completion times, all marked as "UP-TO-DATE". The build concludes with "BUILD SUCCESSFUL", a total time of 51.758 seconds, and the location of the generated apk file. On the right, a web browser window titled "tastefood - Brackets" shows a mobile app preview. The preview includes a header with the text "move the CSS includes above", a button labeled "from the menu or", and a link to an Amazon news article. The browser's status bar at the bottom indicates "INS HTML" and "Spaces: 4". The Windows taskbar at the very bottom shows various application icons and the system clock displaying "1:28 AM 3/17/2016".

```
Administrator: Node.js command prompt
:CordovaLib:compileDebugRenderscript UP-TO-DATE
:CordovaLib:generateDebugResValues UP-TO-DATE
:CordovaLib:generateDebugResources UP-TO-DATE
:CordovaLib:packageDebugResources UP-TO-DATE
:CordovaLib:compileDebugAidl UP-TO-DATE
:CordovaLib:generateDebugBuildConfig UP-TO-DATE
:CordovaLib:generateDebugAssets UP-TO-DATE
:CordovaLib:mergeDebugAssets UP-TO-DATE
:CordovaLib:processDebugManifest UP-TO-DATE
:CordovaLib:processDebugResources UP-TO-DATE
:CordovaLib:generateDebugSources UP-TO-DATE
:CordovaLib:compileDebugJavaWithJavac UP-TO-DATE
:CordovaLib:processDebugJavaRes UP-TO-DATE
:CordovaLib:transformResourcesWithMergeJavaResForDebug UP-TO-DATE
:CordovaLib:transformClassesAndResourcesWithSyncLibsForDebug UP-TO-DATE
:CordovaLib:mergeDebugJniLibFolders UP-TO-DATE
:CordovaLib:transformNative_libsWithMergeJniLibsForDebug UP-TO-DATE
:CordovaLib:transformNative_libsWithSyncJniLibsForDebug UP-TO-DATE
:CordovaLib:bundleDebug UP-TO-DATE
:prepareAndroidCordovaLibs UP-TO-DATE
:prepareDebugDependencies
:compileDebugAidl UP-TO-DATE
:compileDebugRenderscript UP-TO-DATE
:generateDebugBuildConfig UP-TO-DATE
:generateDebugAssets UP-TO-DATE
:mergeDebugAssets UP-TO-DATE
:generateDebugResValues UP-TO-DATE
:generateDebugResources UP-TO-DATE
:mergeDebugResources UP-TO-DATE
:processDebugManifest UP-TO-DATE
:processDebugResources UP-TO-DATE
:generateDebugSources UP-TO-DATE
:compileDebugJavaWithJavac UP-TO-DATE
:compileDebugKotlin UP-TO-DATE
:compileDebugSources UP-TO-DATE
:transformClassesWithDexForDebug UP-TO-DATE
:mergeDebugJniLibFolders UP-TO-DATE
:transformNative_libsWithMergeJniLibsForDebug UP-TO-DATE
:processDebugJavaRes UP-TO-DATE
:transformResourcesWithMergeJavaResForDebug UP-TO-DATE
:validateDebugSigning
:packageDebug UP-TO-DATE
:zipalignDebug UP-TO-DATE
:assembleDebug UP-TO-DATE
:cddvBuildDebug UP-TO-DATE

BUILD SUCCESSFUL

Total time: 51.758 secs
Built the following apk(s):
  C:\Users\Arunit Gupta\tastefood\platforms\android\build\outputs\apk\android-debug.apk
Using apk: C:\Users\Arunit Gupta\tastefood\platforms\android\build\outputs\apk\android-debug.apk
LAUNCH SUCCESS

C:\Users\Arunit Gupta\tastefood>
```

tastefood - Brackets

move the CSS includes above

from the menu or

url(https://s3.amazonaws.com/GARief/uploads/article/preview_image/588/image.jpg/)

INS HTML Spaces: 4

1:28 AM 3/17/2016

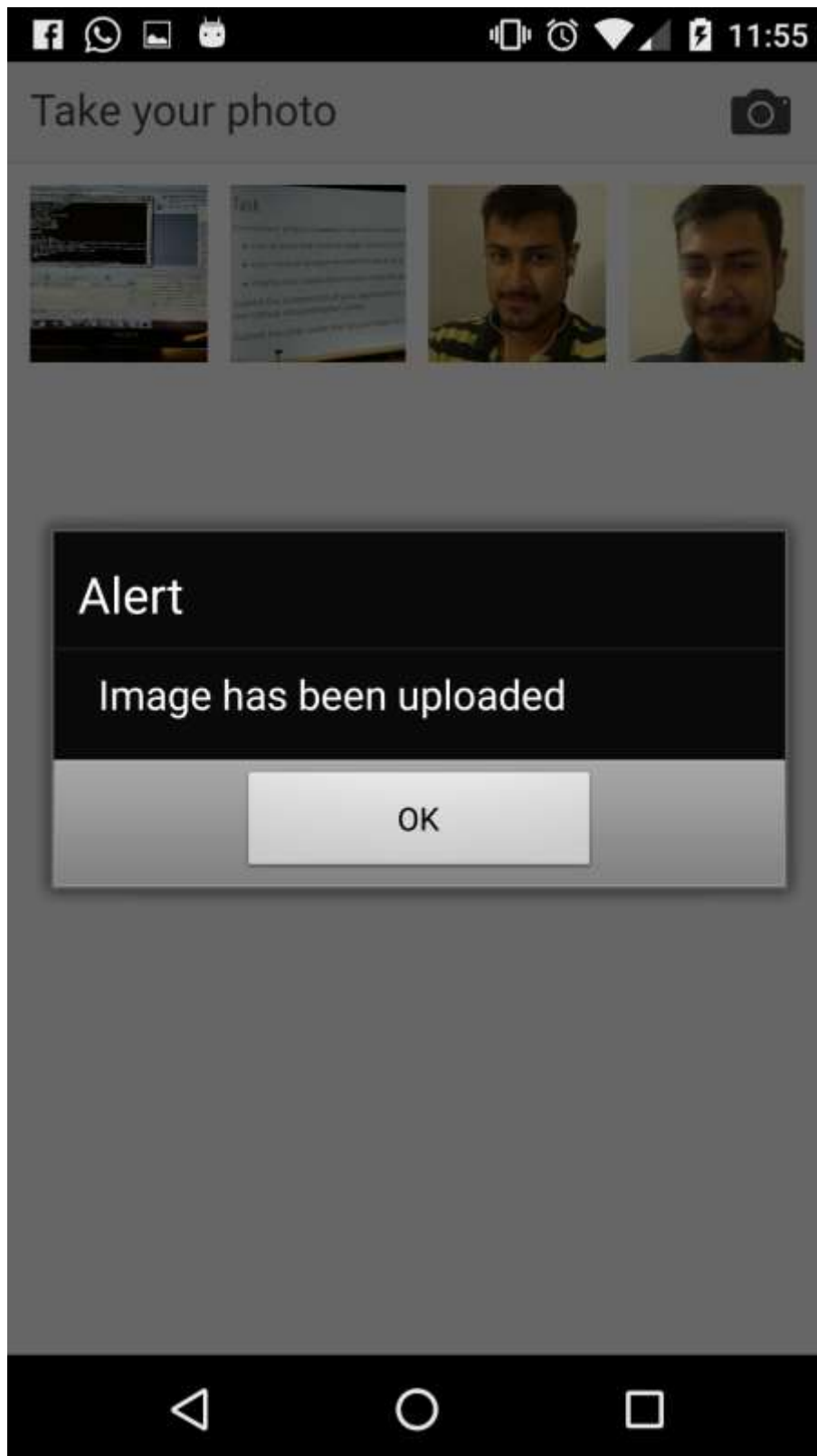
- *Successful Login*

The screenshot shows a mobile application interface for a login screen. At the top, there is a status bar with icons for signal, Wi-Fi, battery, and the time 10:45. Below the status bar, the app title "Login" is displayed on the left, and a "Close" button is on the right. The form consists of two input fields: "Username" with the text "Arunitgupta" and "Password" with masked characters ".....". Below the password field is a large blue button labeled "Log in". At the bottom of the screen, a numeric and symbolic keyboard is visible, featuring rows of numbers (1-0), symbols (@, #, \$, %, &, -, +, (,)), punctuation (= \<, *, ", ', :, ;, !, ?, and a backspace key), and a row with "ABC", comma, hyphen, a search bar, forward slash, period, and a green arrow key. The Android navigation bar is at the very bottom.

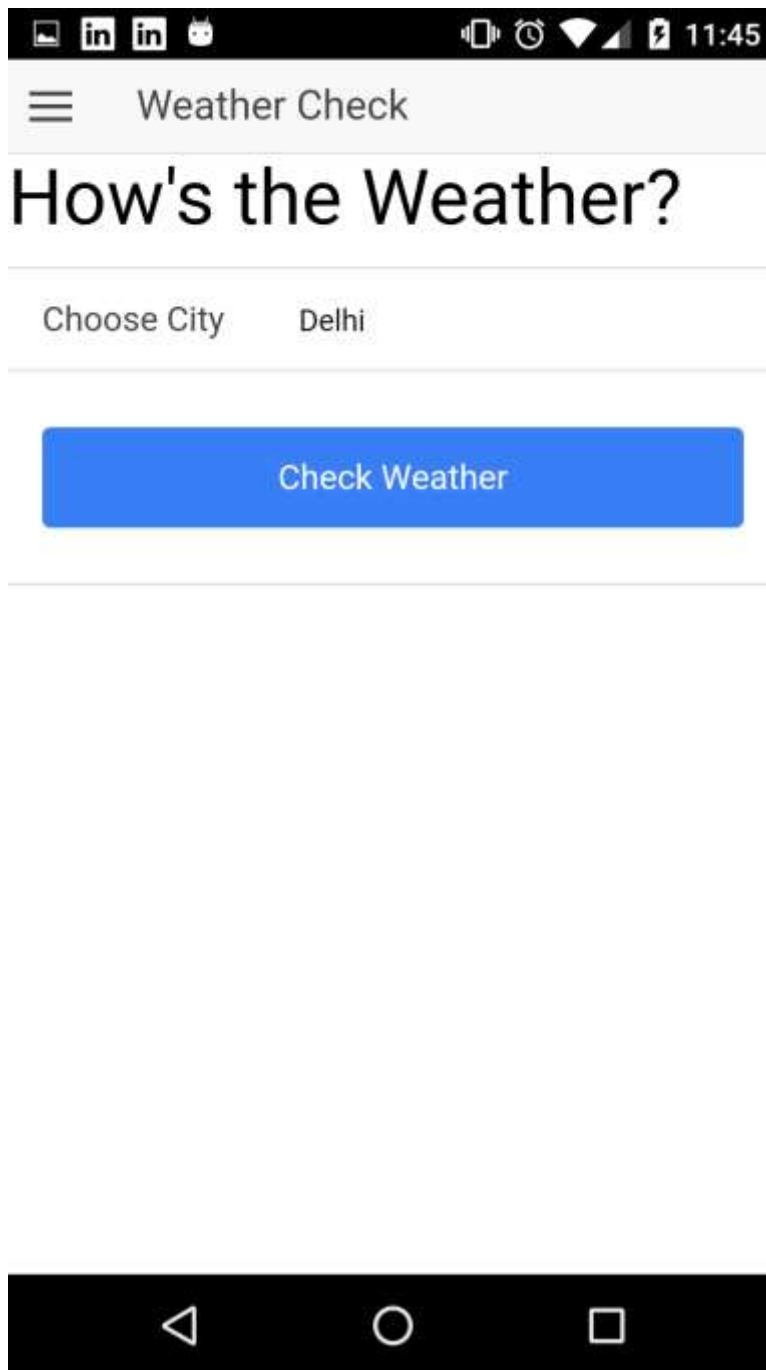
- *Camera Plugin used*



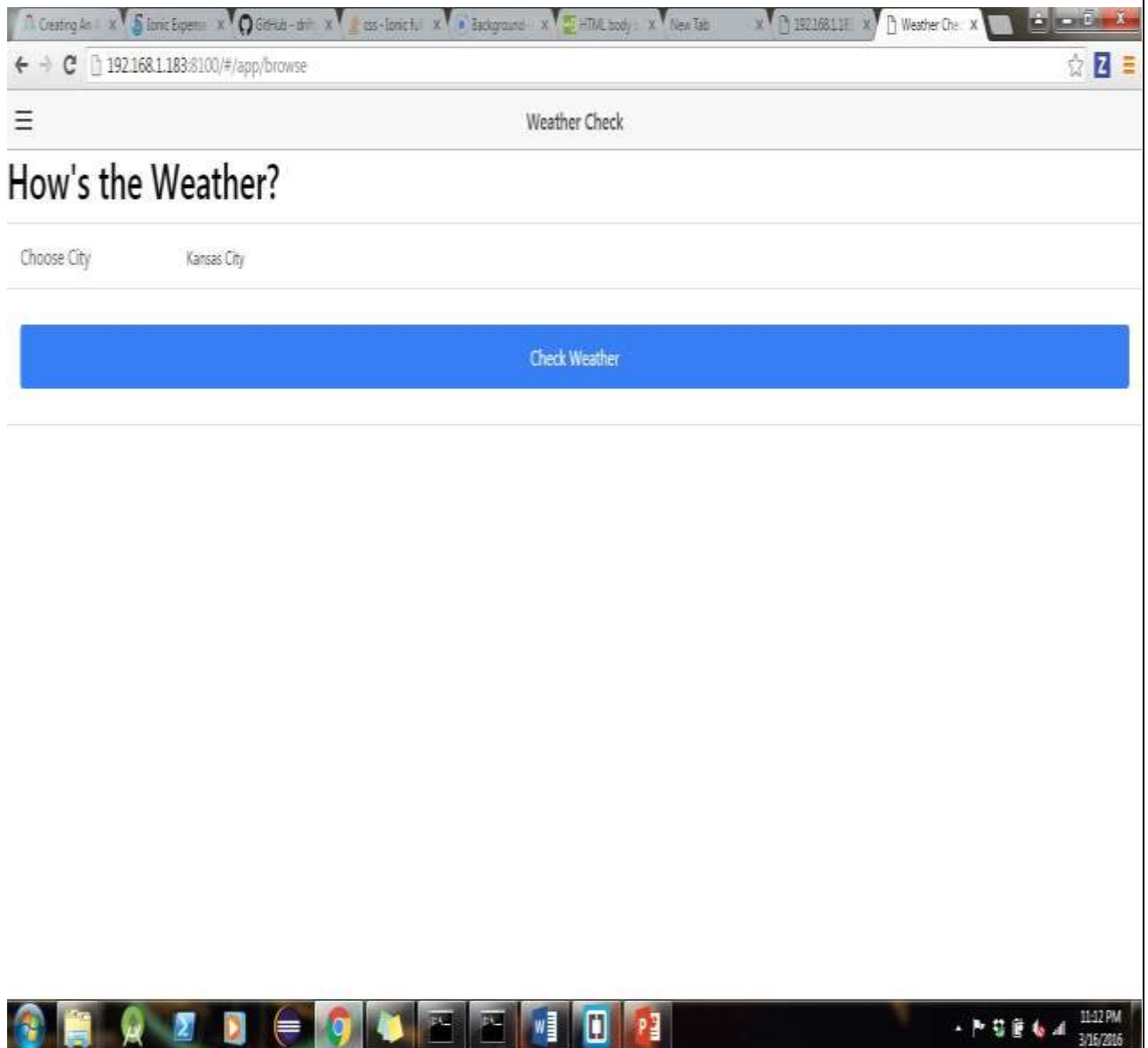
- *Alert box on upload*



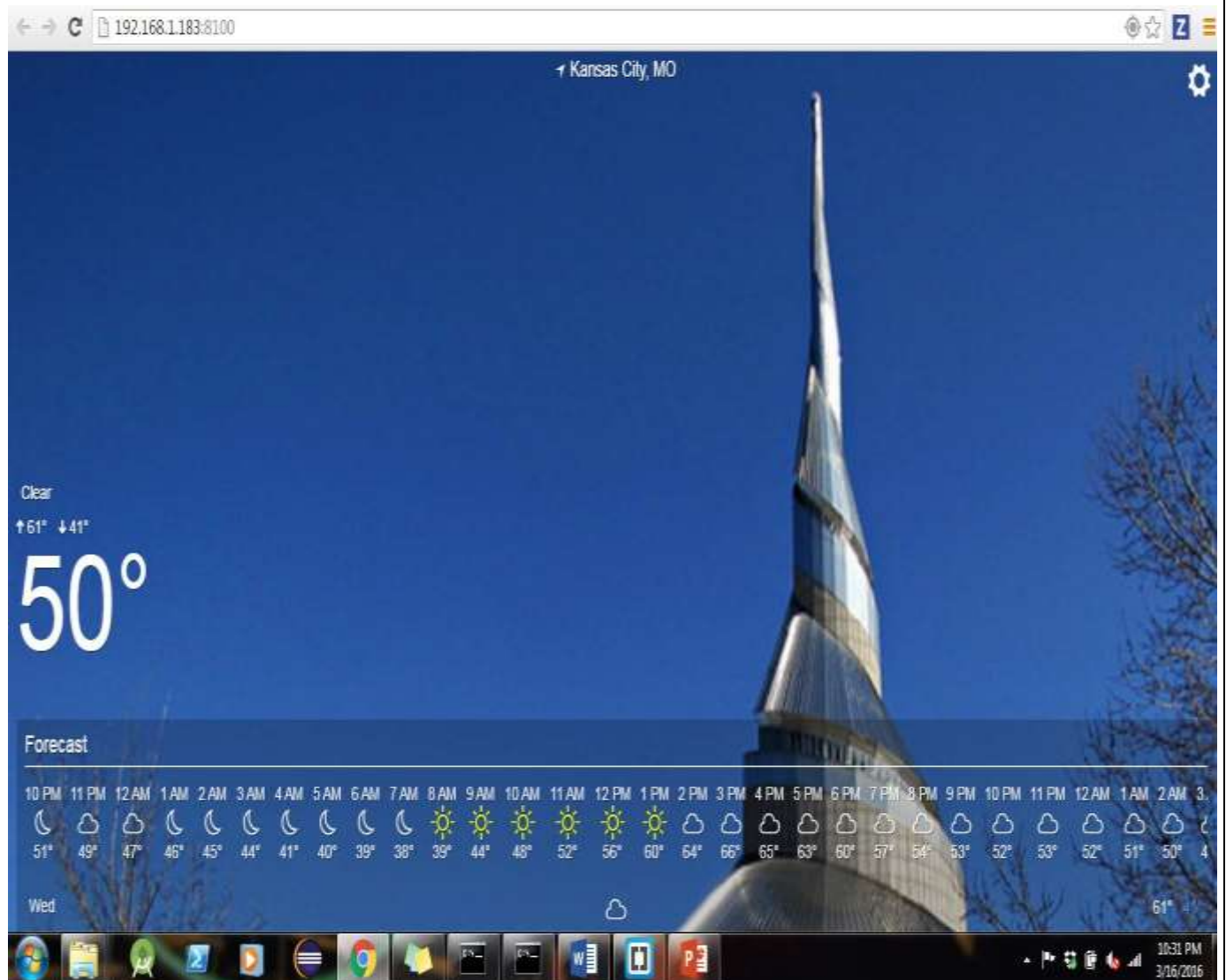
- *Weather Look up providing input on Android*



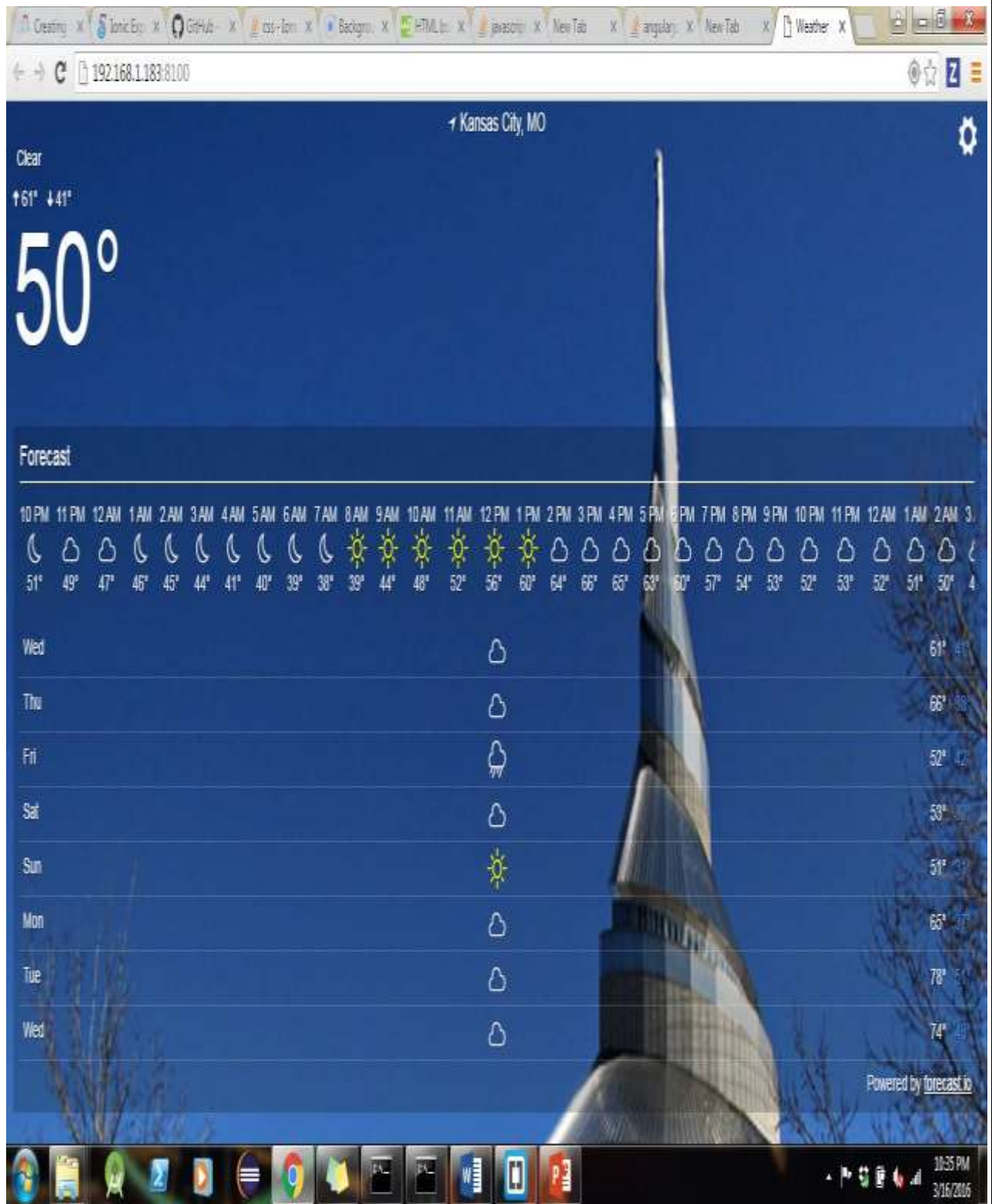
- *Weather look up on Web Browser*



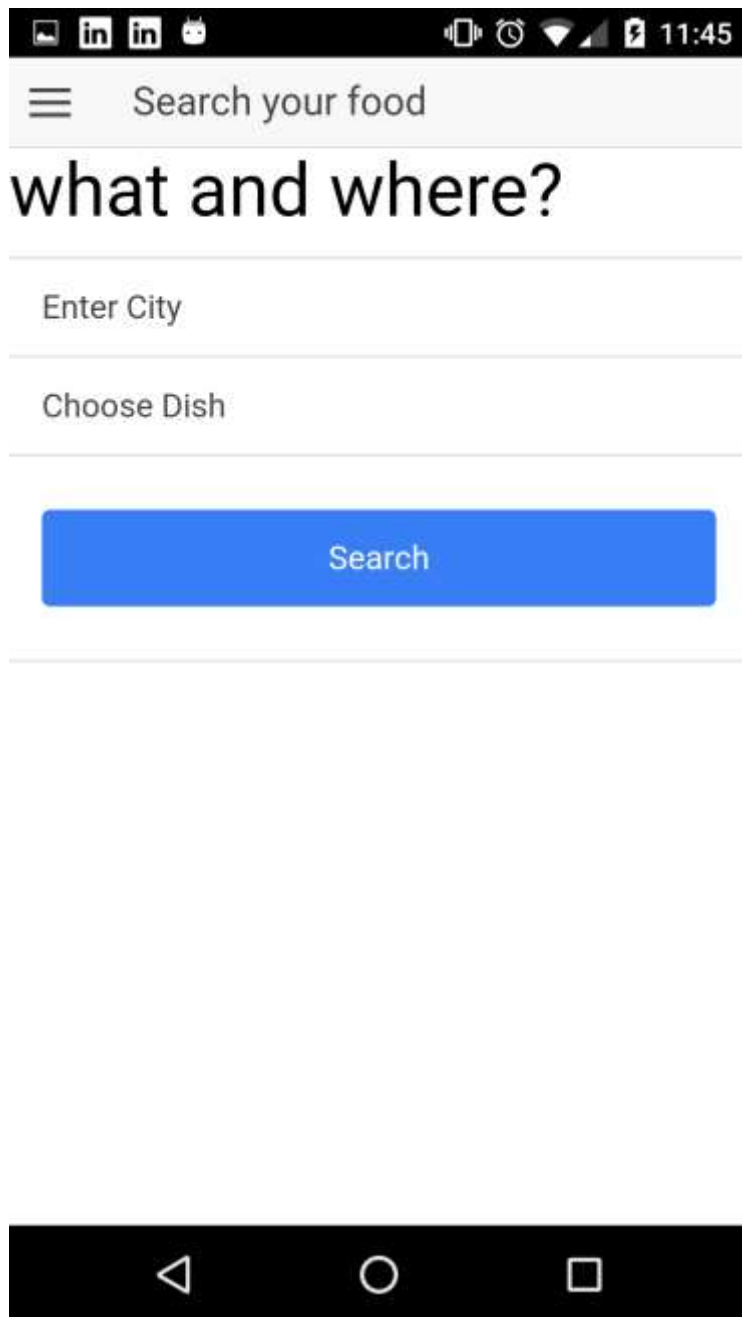
- *Weather Output*



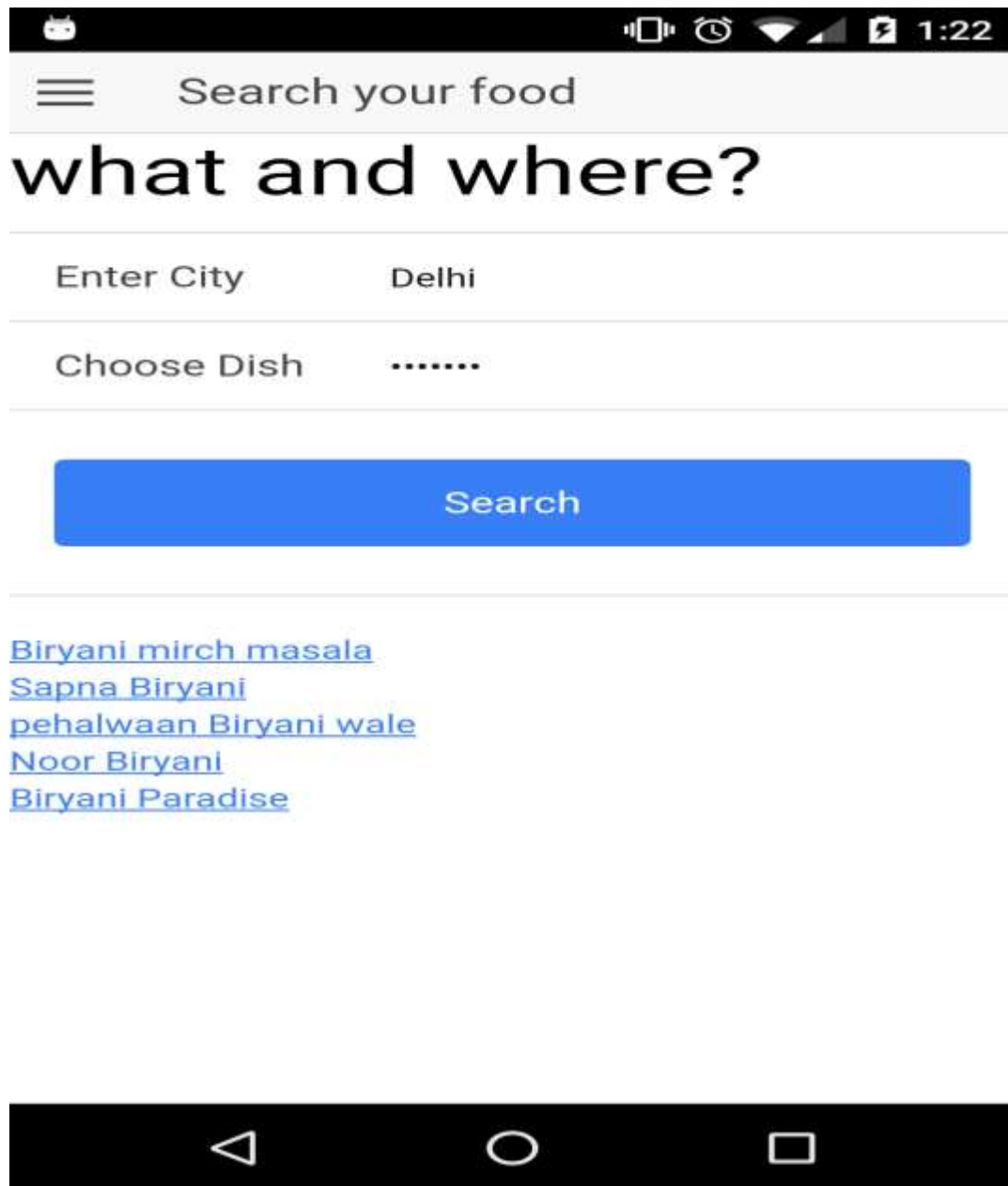
- *Weather Output with Weak day Temperature using forecast.io*



- *Food Search screen using Android*



- *Food Output on entering details*



The screenshot shows a mobile application interface for searching food. At the top, there is a status bar with various icons and the time 1:22. Below the status bar is a header with a hamburger menu icon and the text "Search your food". The main title "what and where?" is displayed in a large, bold font. Below the title, there are two input fields: "Enter City" with the value "Delhi" and "Choose Dish" with a series of dots. A large blue button labeled "Search" is positioned below the input fields. Below the button, a list of search results is shown, each as a blue hyperlink: "Biryani mirch masala", "Sapna Biryani", "pehalwaan Biryani wale", "Noor Biryani", and "Biryani Paradise". At the bottom of the screen, there is a black navigation bar with three white icons: a triangle, a circle, and a square.

Search your food

what and where?

Enter City Delhi

Choose Dish

Search

[Biryani mirch masala](#)

[Sapna Biryani](#)

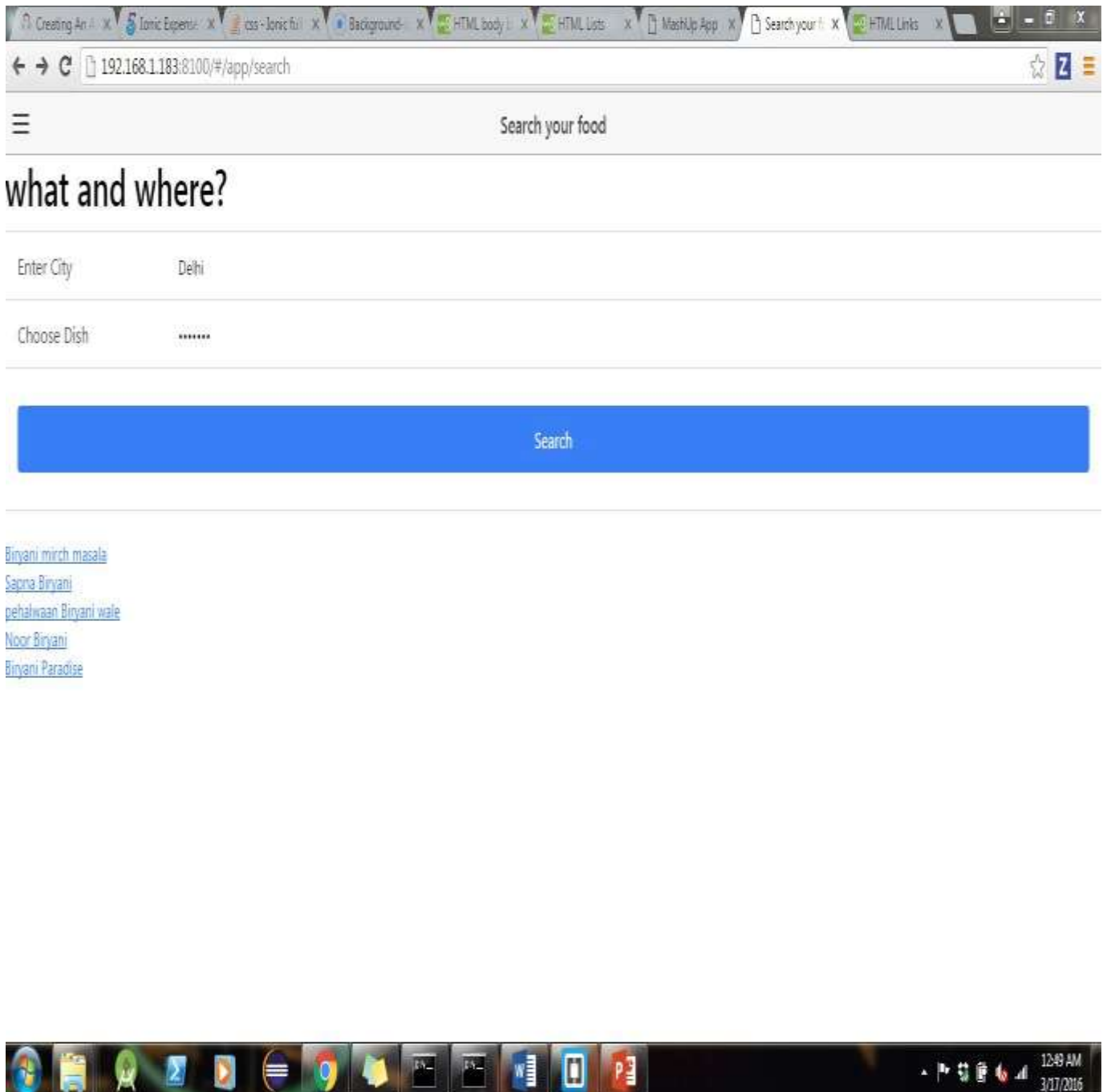
[pehalwaan Biryani wale](#)

[Noor Biryani](#)

[Biryani Paradise](#)

- *Result on Entering Details on WebBrowser*

On



- **YSlow Performance test on browser**

The screenshot shows a web browser window with several tabs: Angular API, Firebase App Dashboard, Google, Shaam Shaandaar - Fi, New Tab, and Taste Buds. The address bar shows the URL `localhost:8100/#/app/playlists`. The page content displays a list of food items: PIZZA, BURGERS, BIRYANI, SUSHI, and PARANTHAS.

Below the browser window, the YSlow performance tool is open. It shows the overall performance score of 83 for the URL `http://localhost:8100/#/app/playlists`. The tool lists various performance issues and their grades:

- A** Make fewer HTTP requests
- F** Use a Content Delivery Network (CDN)
- A** Avoid empty src or href
- F** Add Expires headers
- F** Compress components with gzip
- A** Put CSS at top
- B** Put JavaScript at bottom
- A** Avoid CSS expressions

The tool also provides a detailed explanation for the 'Make fewer HTTP requests' issue, stating that the page has 5 external Javascript scripts and suggesting that they be combined into one. It includes a link to 'Read More' for further details.