Achyuth Reddy N
Class ID: 33

CS5551 Advanced Software Engineering

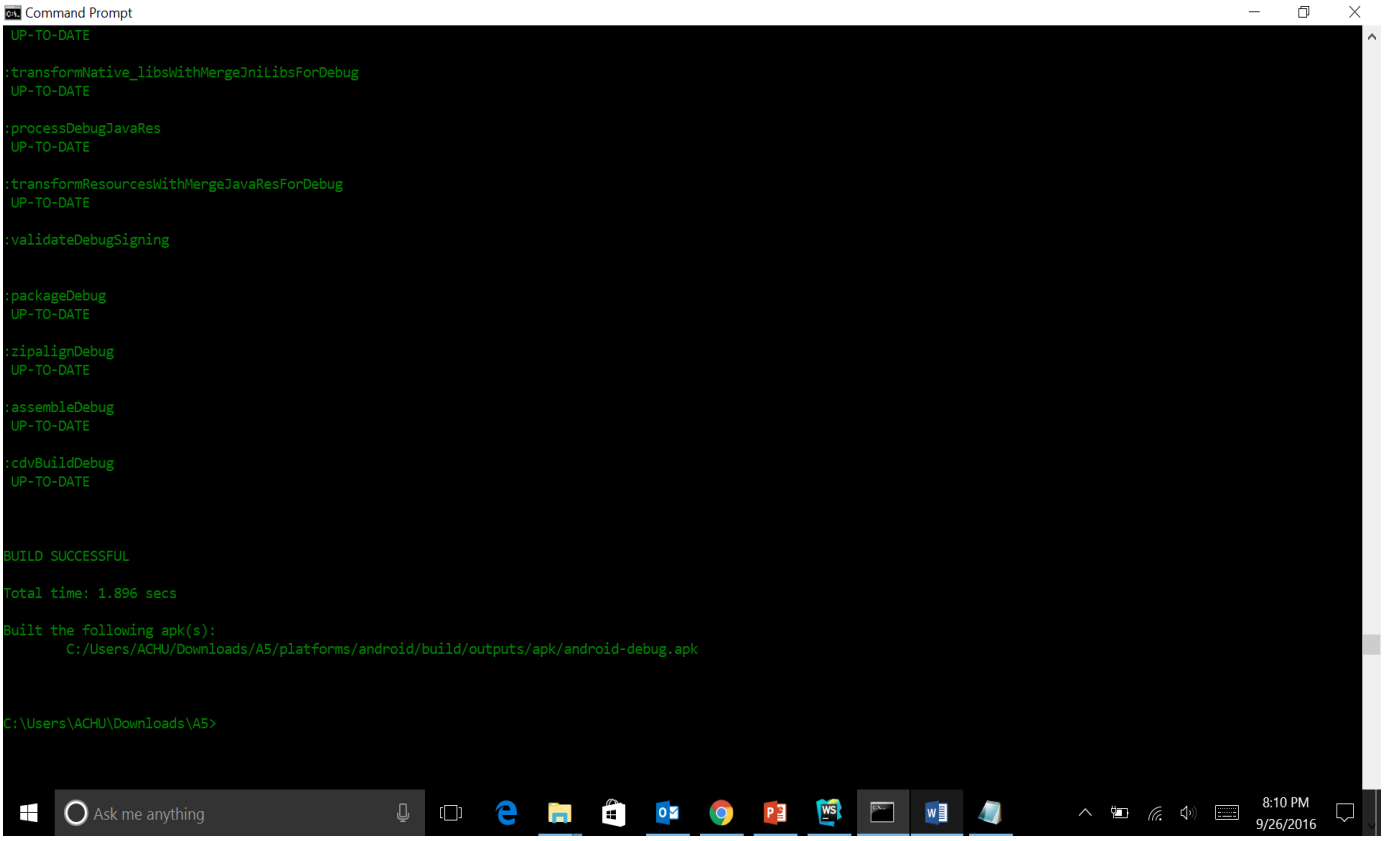
Lab Assignment #7

Mashup of Google Maps and Flickr API in Ionic framework which emulates on web and mobile

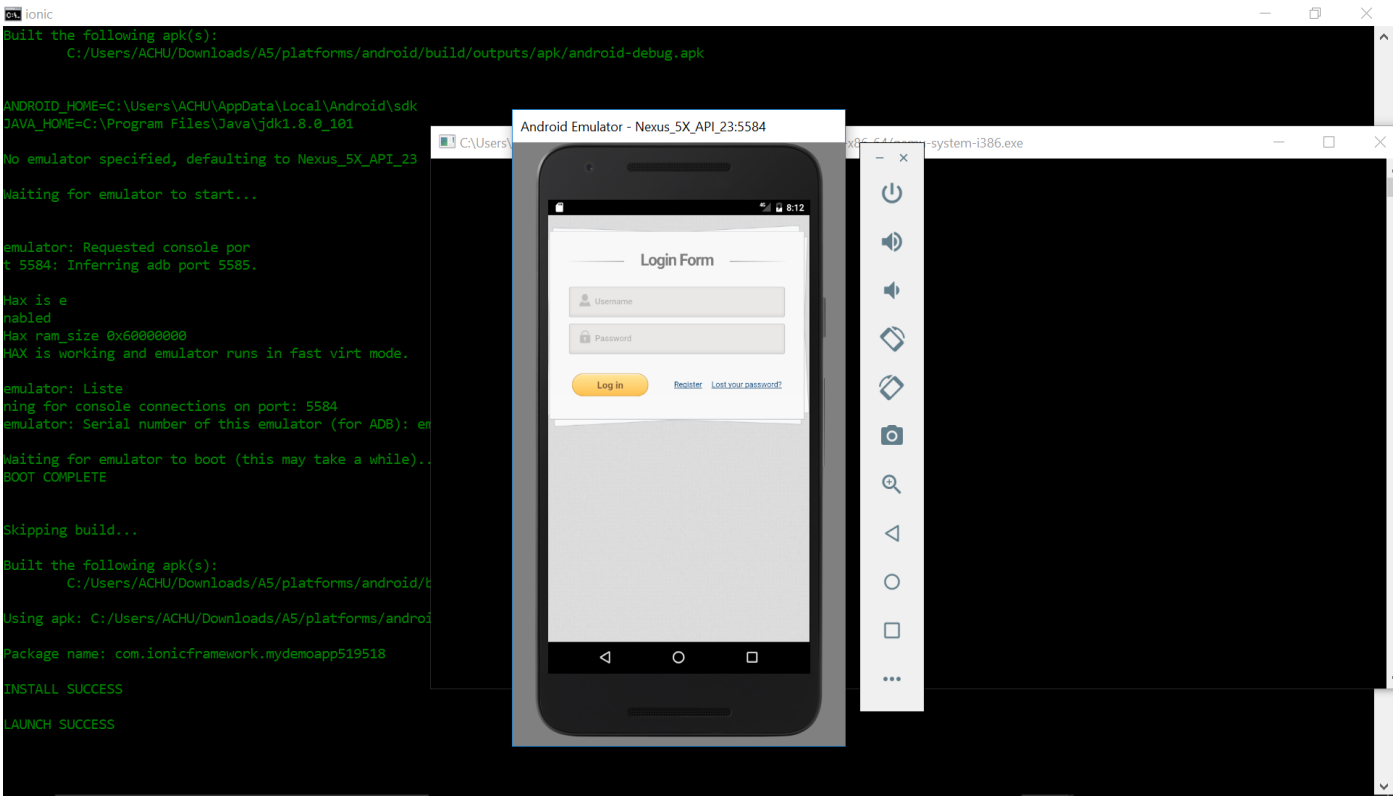
Technology used: Angular JS, HTML/CSS, JavaScript

This is the extension of Assignment five and the Plugin used here is ngCardova Barcode scanner.

Building the app from command prompt through ionic frame work

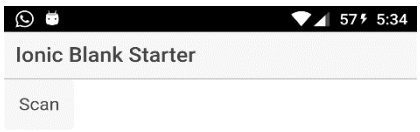


Building the app and launching it on the Android emulator

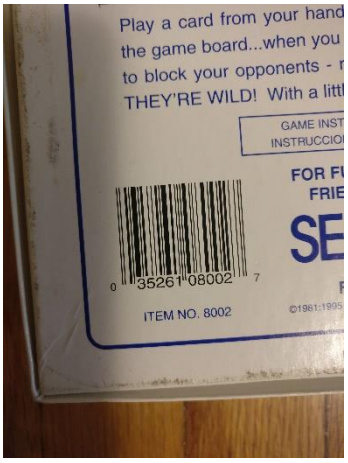


Cordova Barcode scanner plugin:

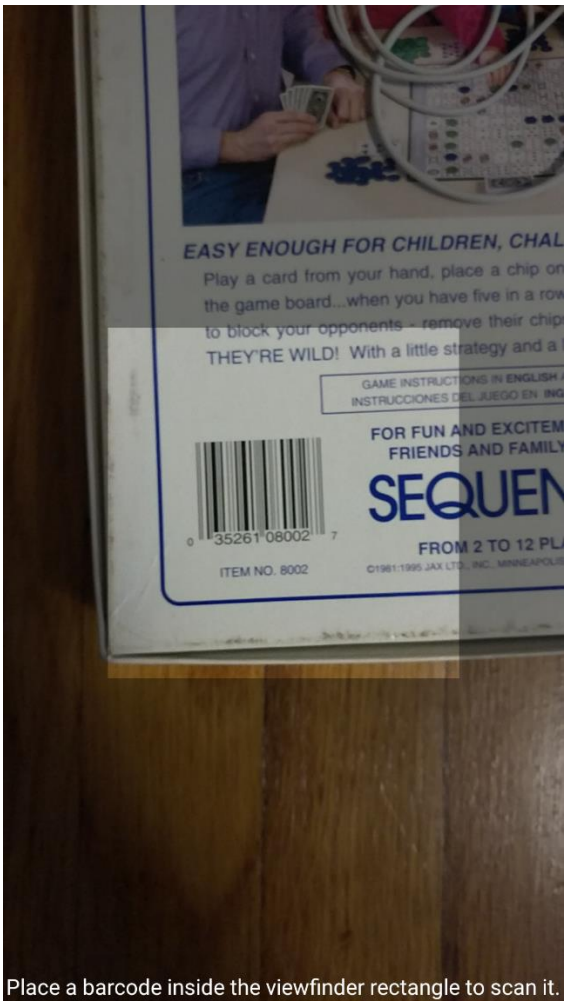
After launching the app the barcode scanner page opens and the screen shots are shown below:



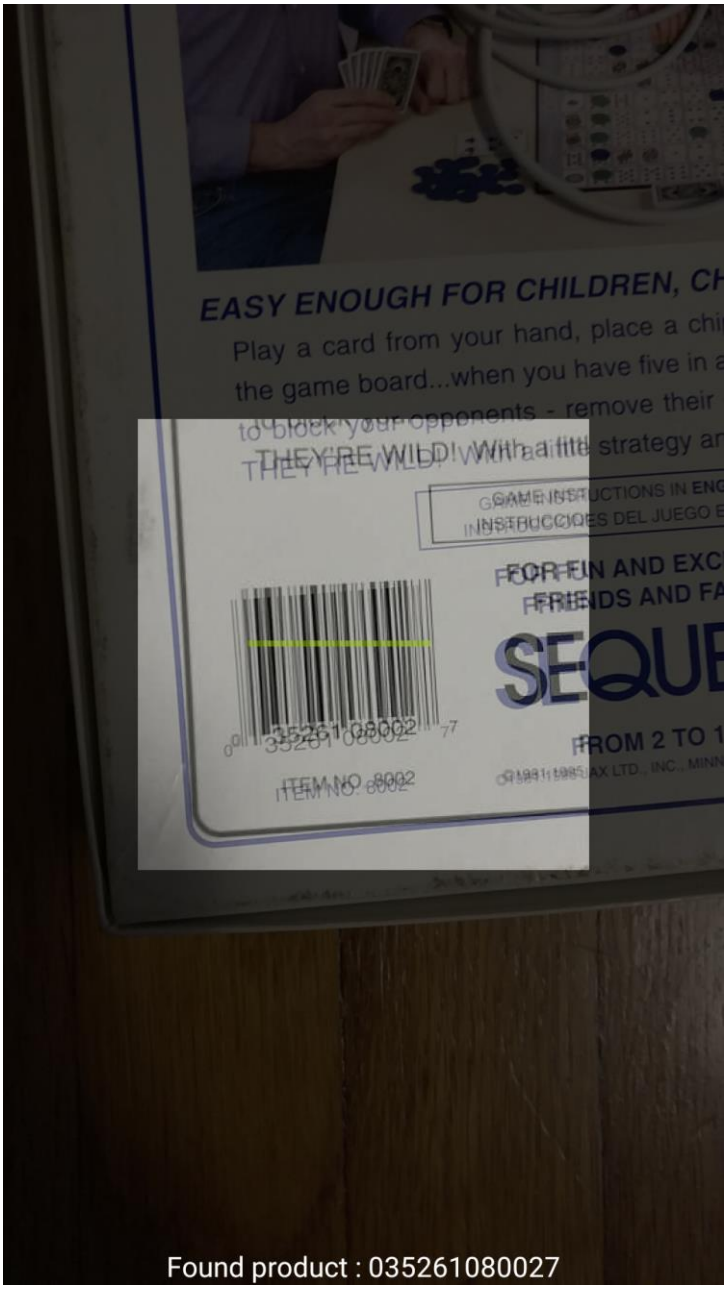
The barcode image we need to scan is:



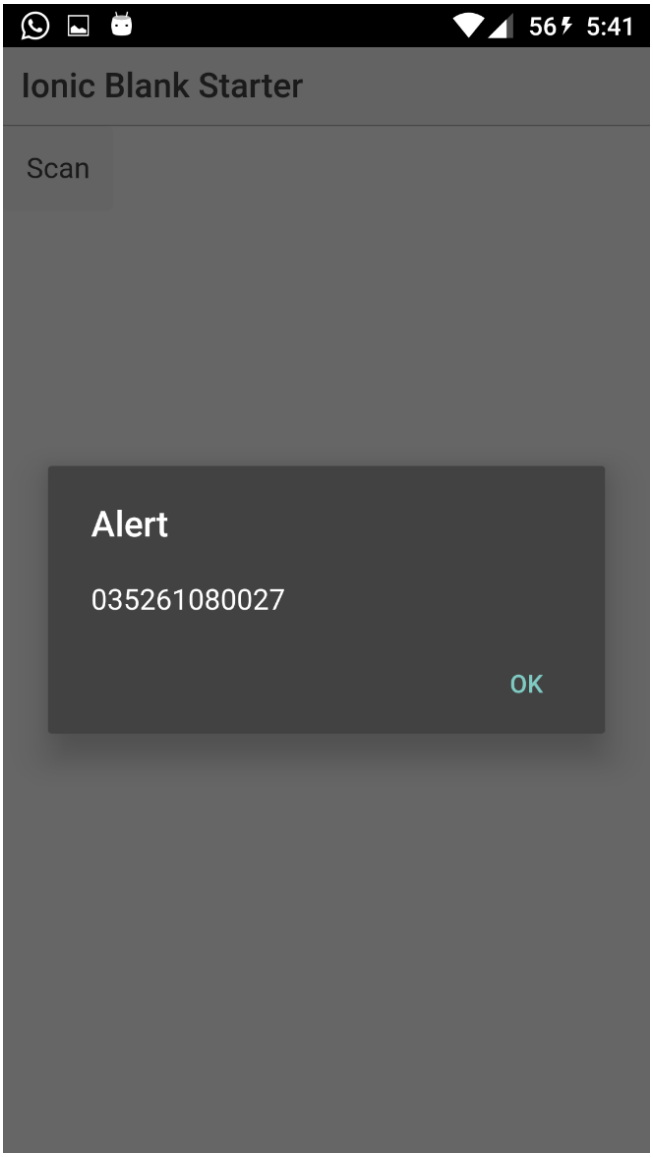
On click of scan button, camera access the barcode image as shown below



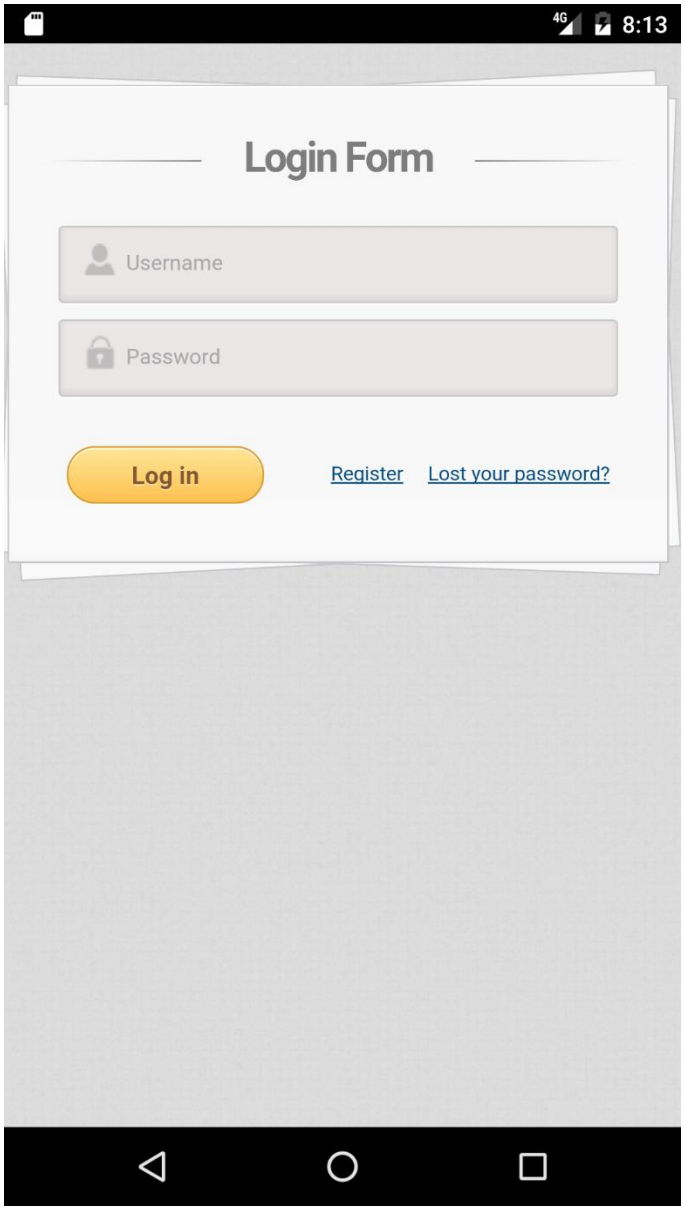
Result after reading the barcode image



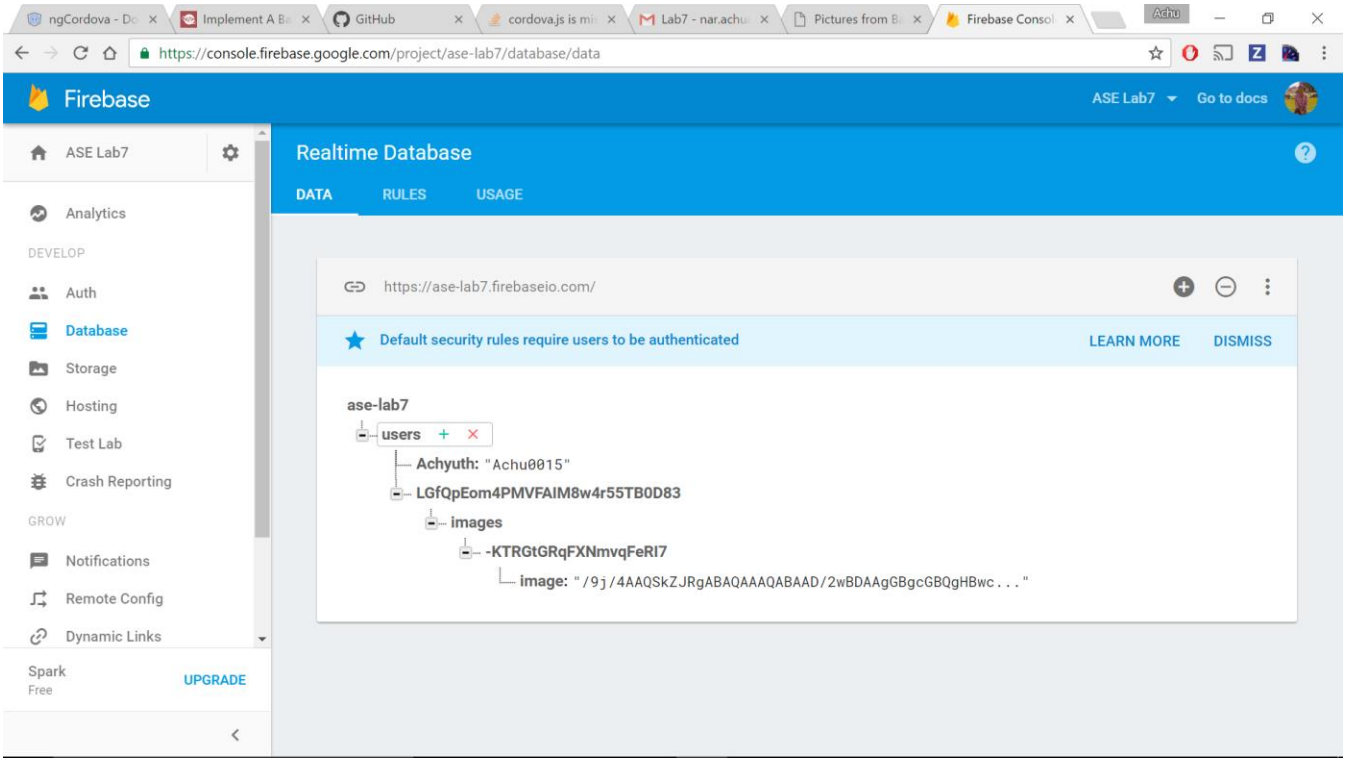
Retrieves the barcode image decoded text shown in the alert



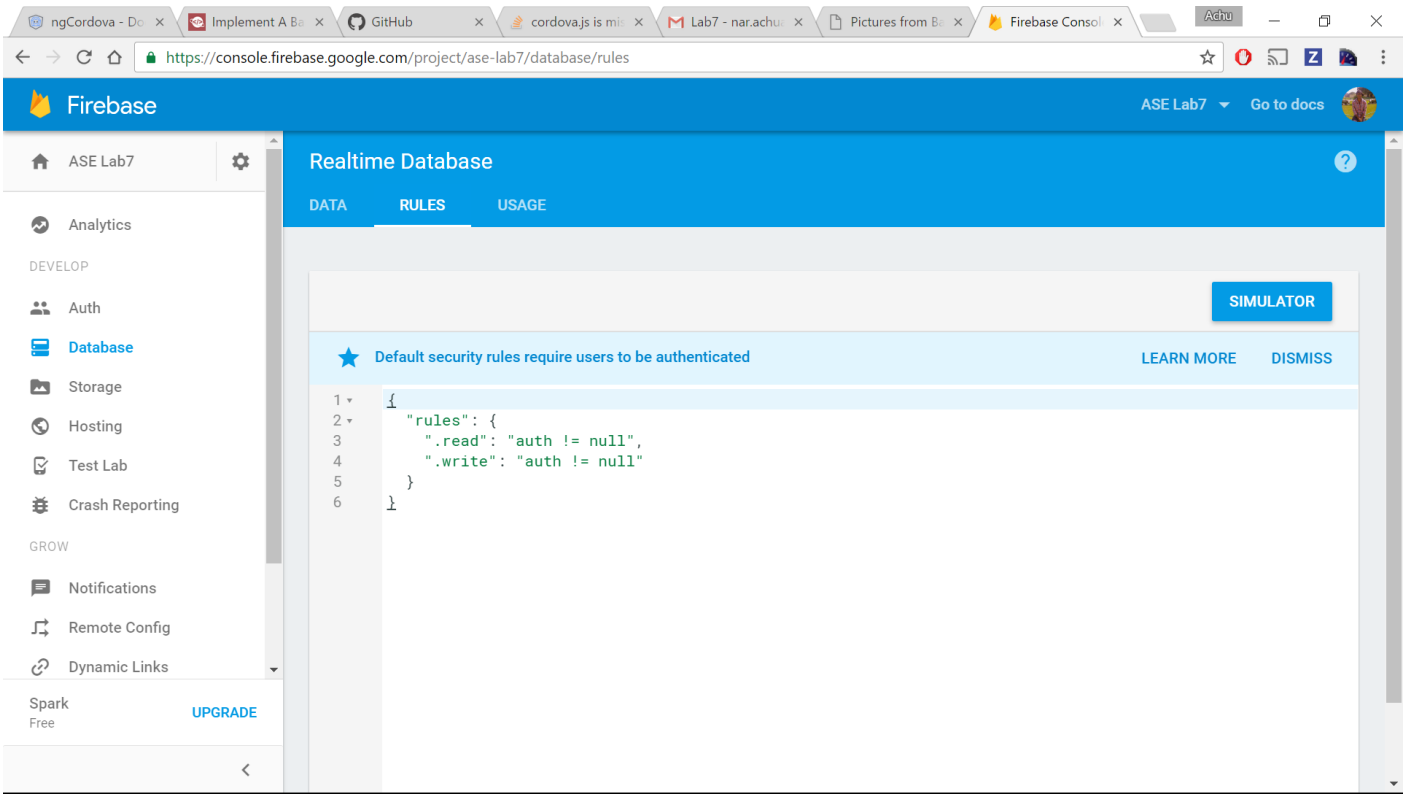
Screenshots: Here the screen shots on both mobile emulator device and web browser

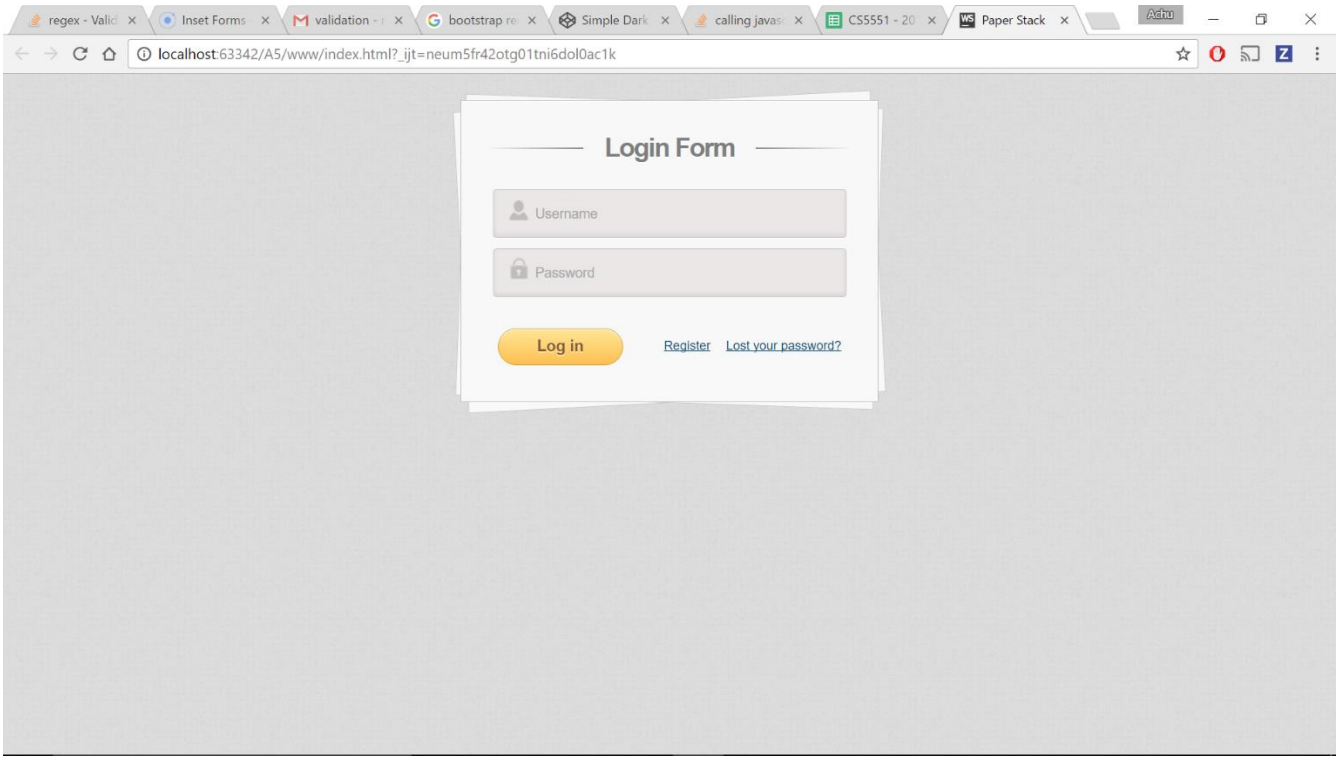


Firebase storage:

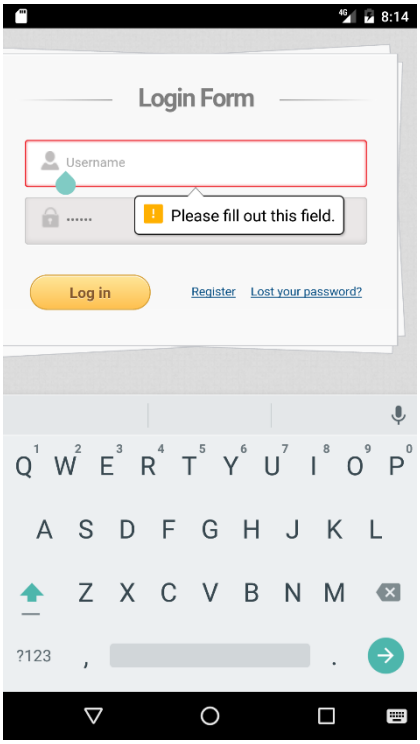


Firebase rules:





Below screen shots show the input validation of username and password.



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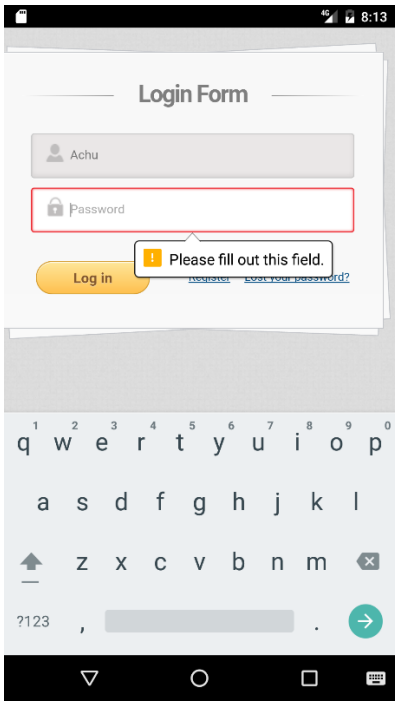
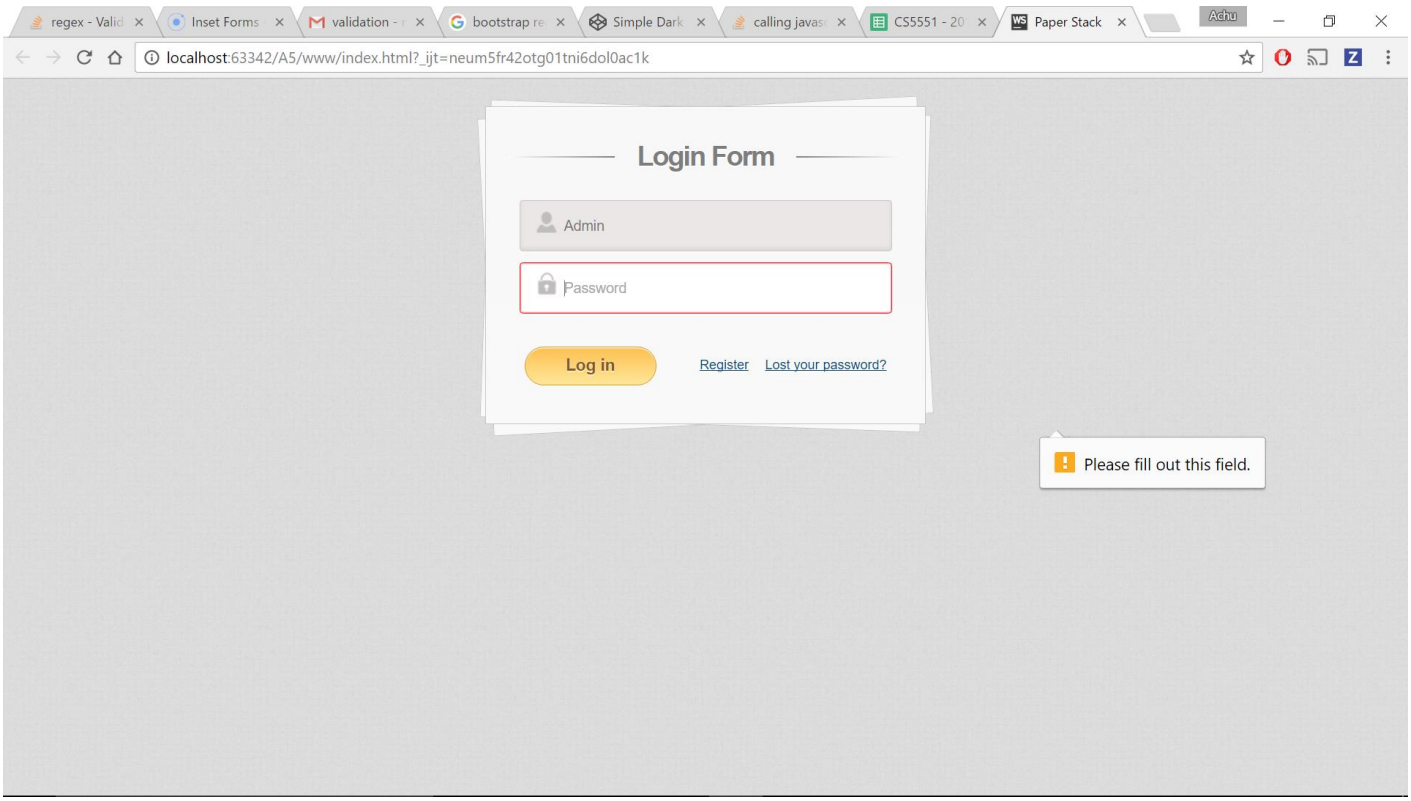
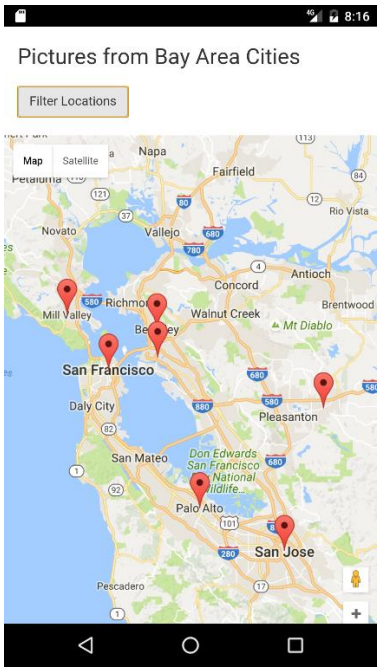
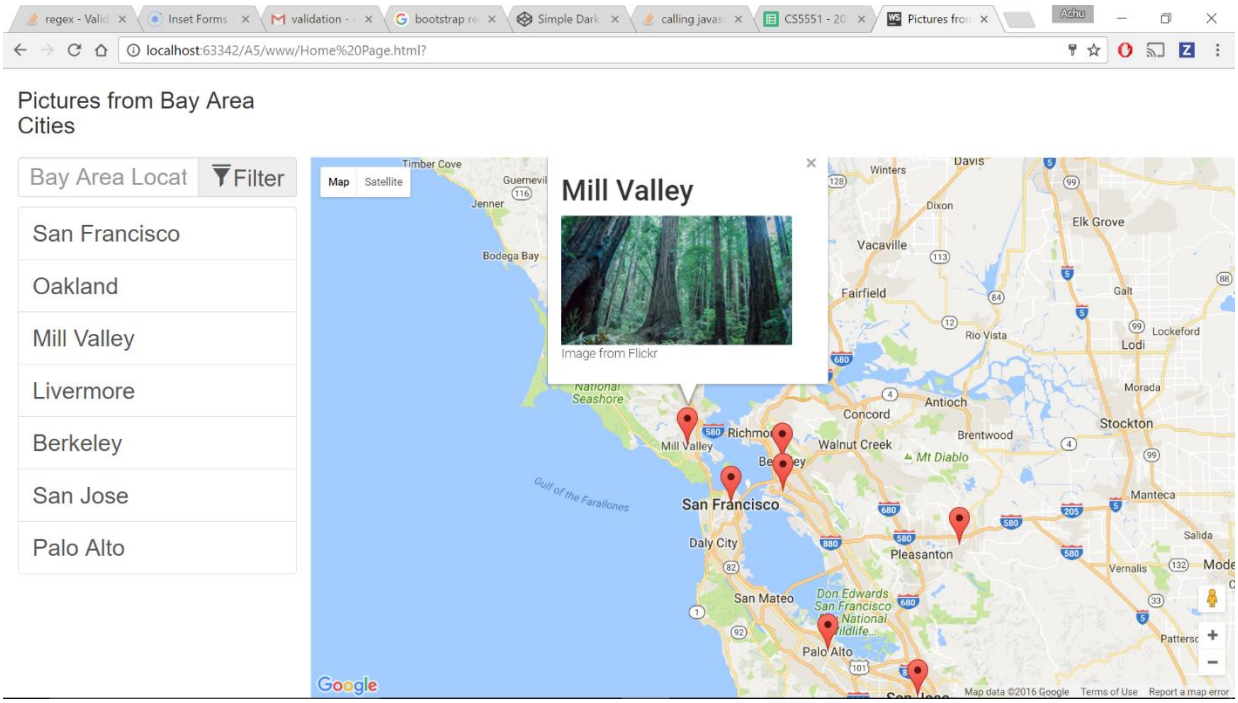




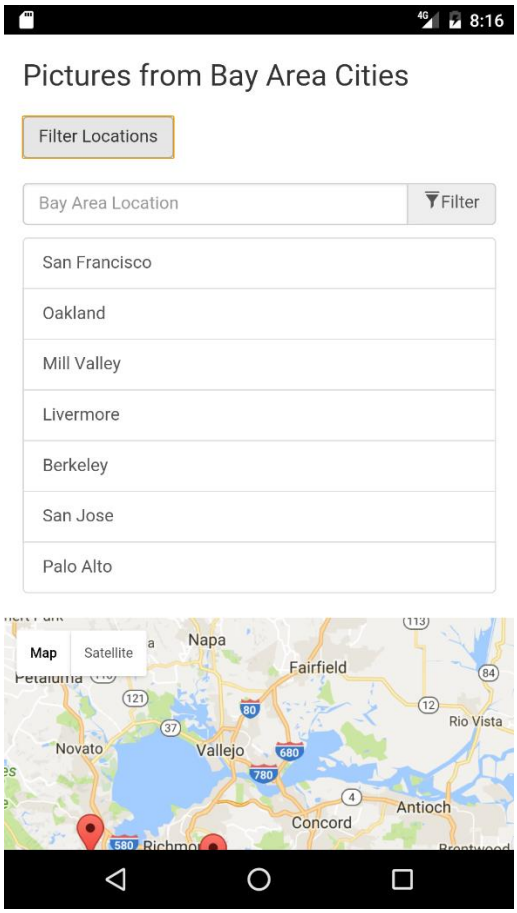
Once the input credentials are correct it redirects to home page:

Here two mashups of both Google maps and Flickr which retrieves popular (trending) images on the selected cities.

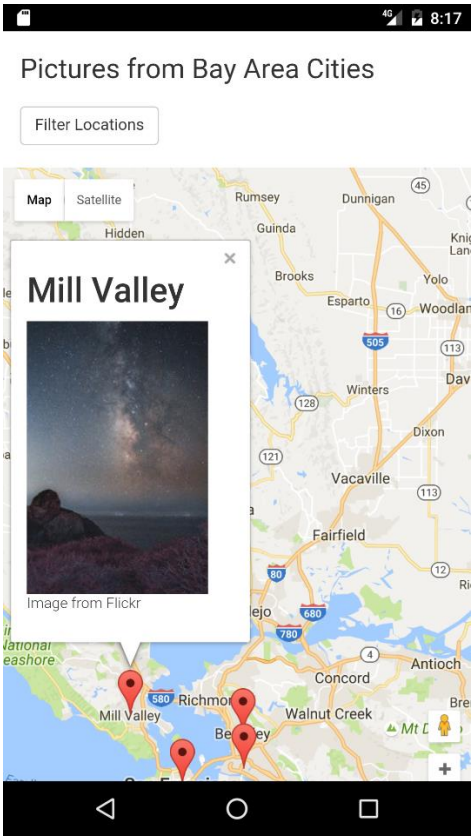


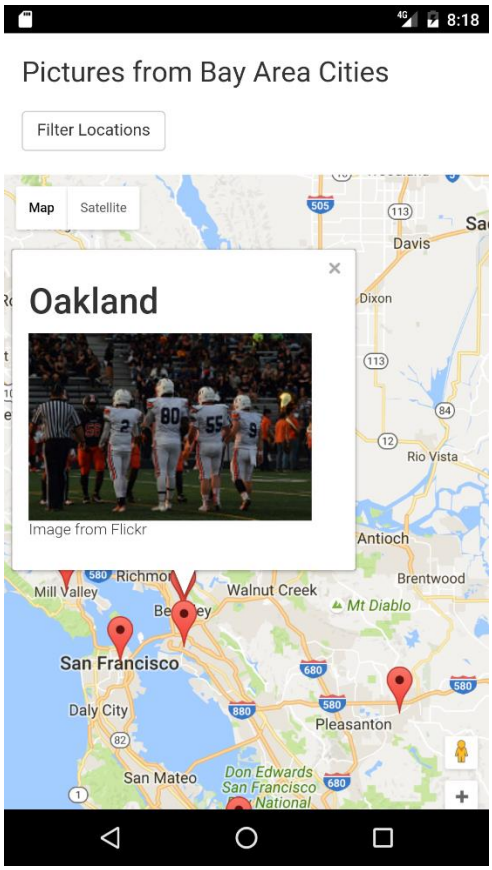


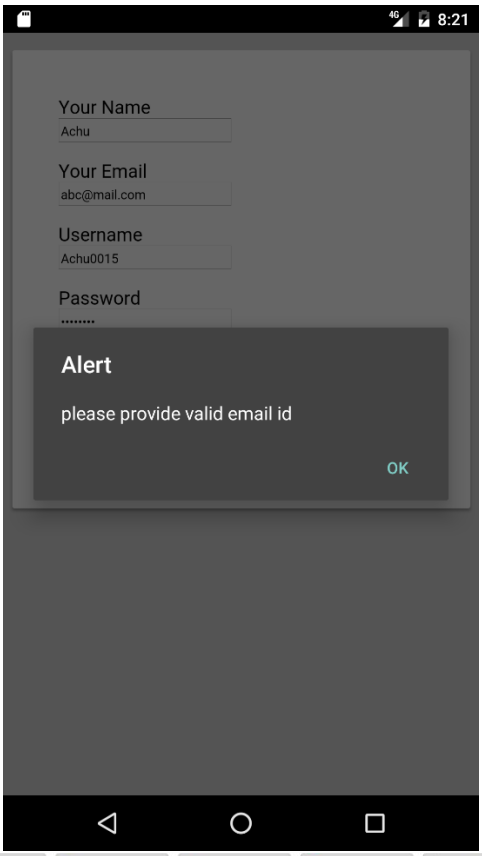
Below shows the drop down list of cities populated from google maps

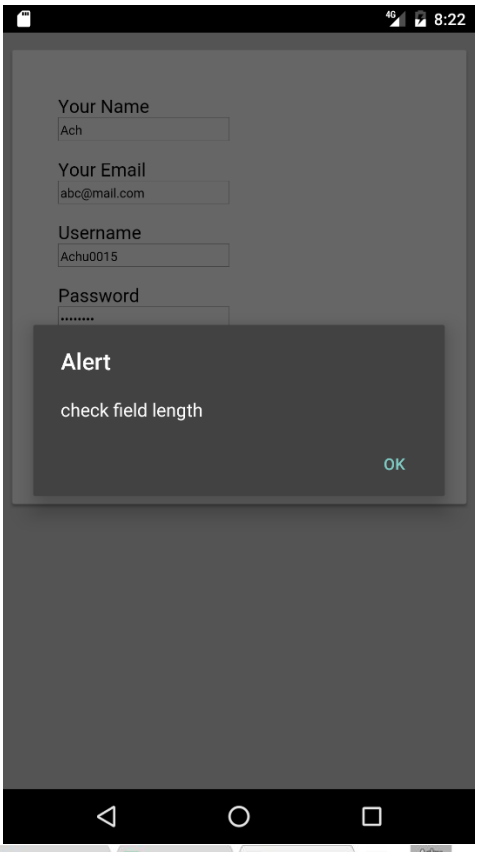


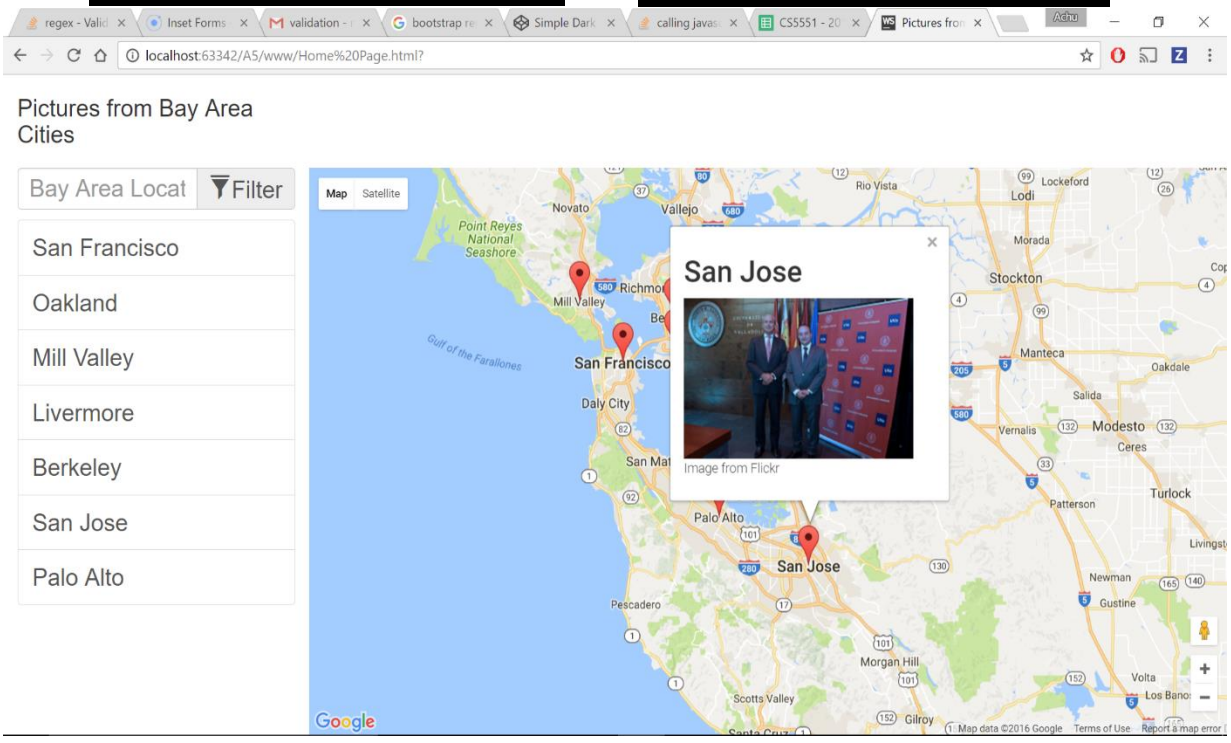
Below images shows trending photos of various cities like Mill valley, Sanfrancisco, Sanjose, Palo Alto etc.


8:17
Pictures from Bay Area Cities
Filter Locations
Map
Satellite
Mill Valley
Image from Flickr
Rumsey
Dunnigan
Guinda
Hidden
Brooks
Yolo
Esparto
Winters
Dixon
Vacaville
Fairfield
Concord
Antioch
Walnut Creek
Mill Valley


8:18
Pictures from Bay Area Cities
Filter Locations
Map
Satellite
Oakland
Image from Flickr
Davis
Dixon
Rio Vista
Antioch
Brentwood
Walnut Creek
Mt Diablo
Mill Valley
San Francisco
Daly City
Pleasanton
San Mateo
Don Edwards
San Francisco
National


8:21
Your Name
Achu
Your Email
abc@mail.com
Username
Achu0015
Password
Alert
please provide valid email id
OK


8:22
Your Name
Ach
Your Email
abc@mail.com
Username
Achu0015
Password
Alert
check field length
OK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Pictures from Bay Area Cities
Bay Area Locat
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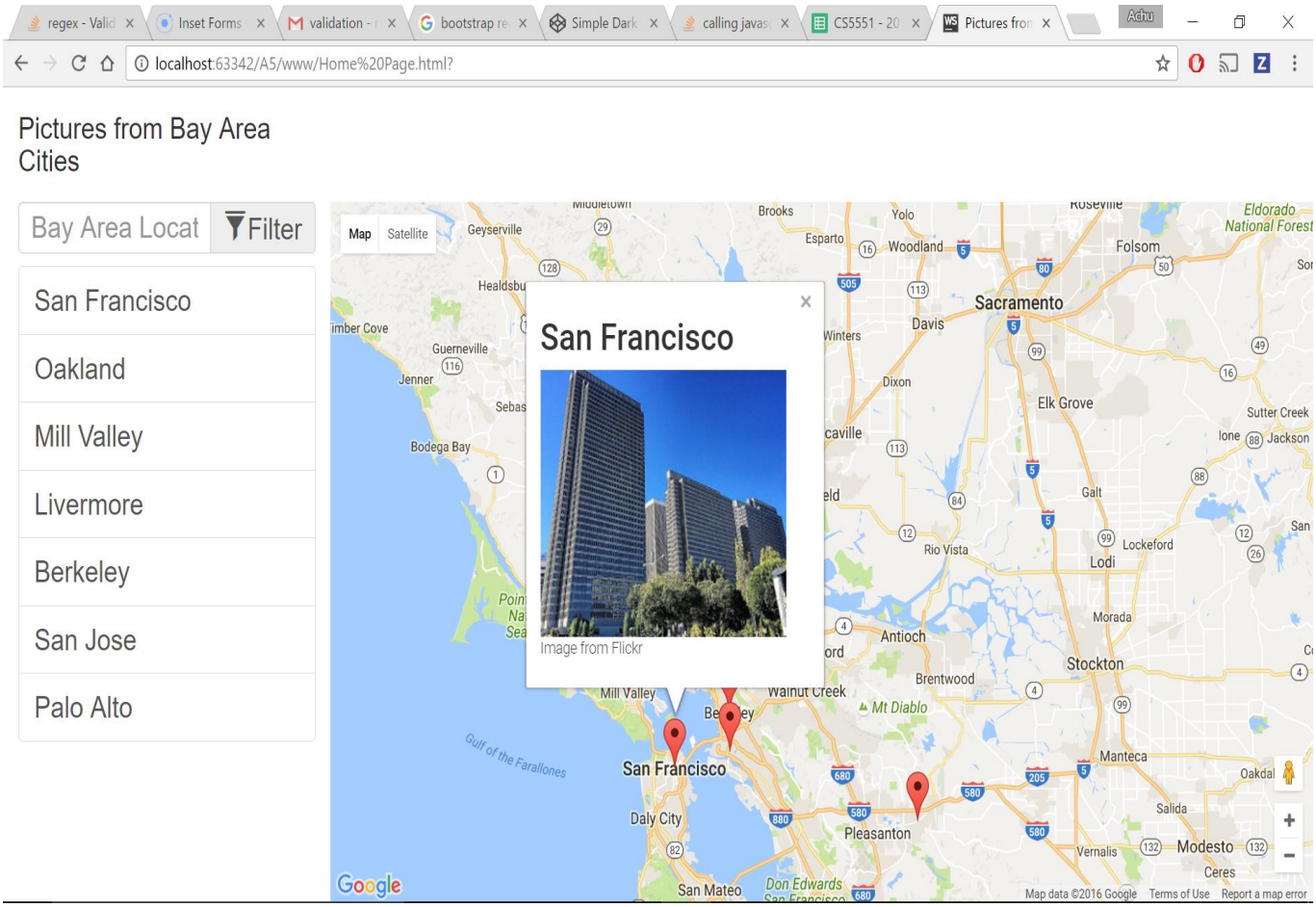
San Francisco
Oakland
Mill Valley
Livermore
Berkeley
San Jose
Palo Alto
Map
Satellite
San Jose
Image from Flickr
Google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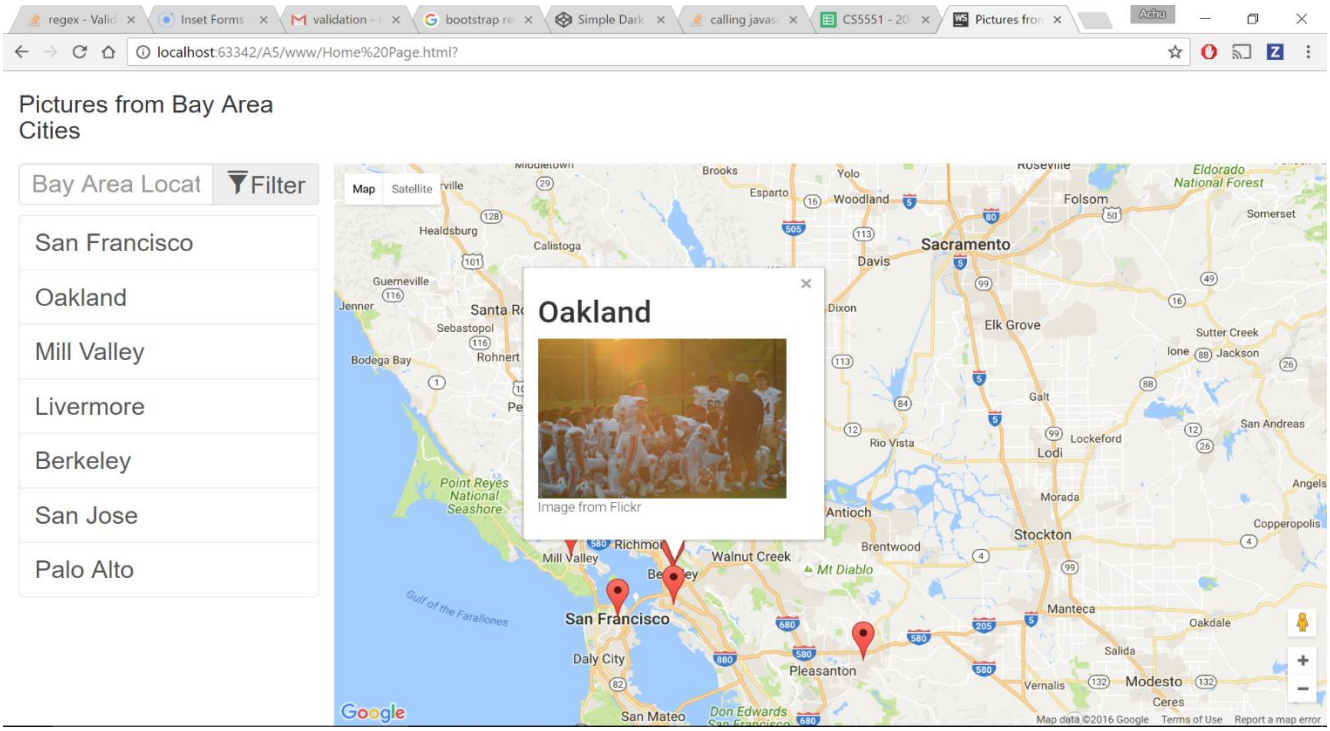
Pictures from Bay Area Cities
Bay Area Locat
Filter
San Francisco
Oakland
Mill Valley
Livermore
Berkeley
San Jose
Palo Alto
Map
Satellite
San Francisco
Image from Flickr
Sacramento
Davis
Elk Grove
Stockton
Antioch
Brentwood
Mill Valley
Walnut Creek
Mt Diablo
Daly City
Pleasanton
San Mateo
Modesto
Manteca
Lodi
Folsom
Woodland
Google
Map data ©2016 Google
Terms of Use
Report a map error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Pictures from Bay Area Cities
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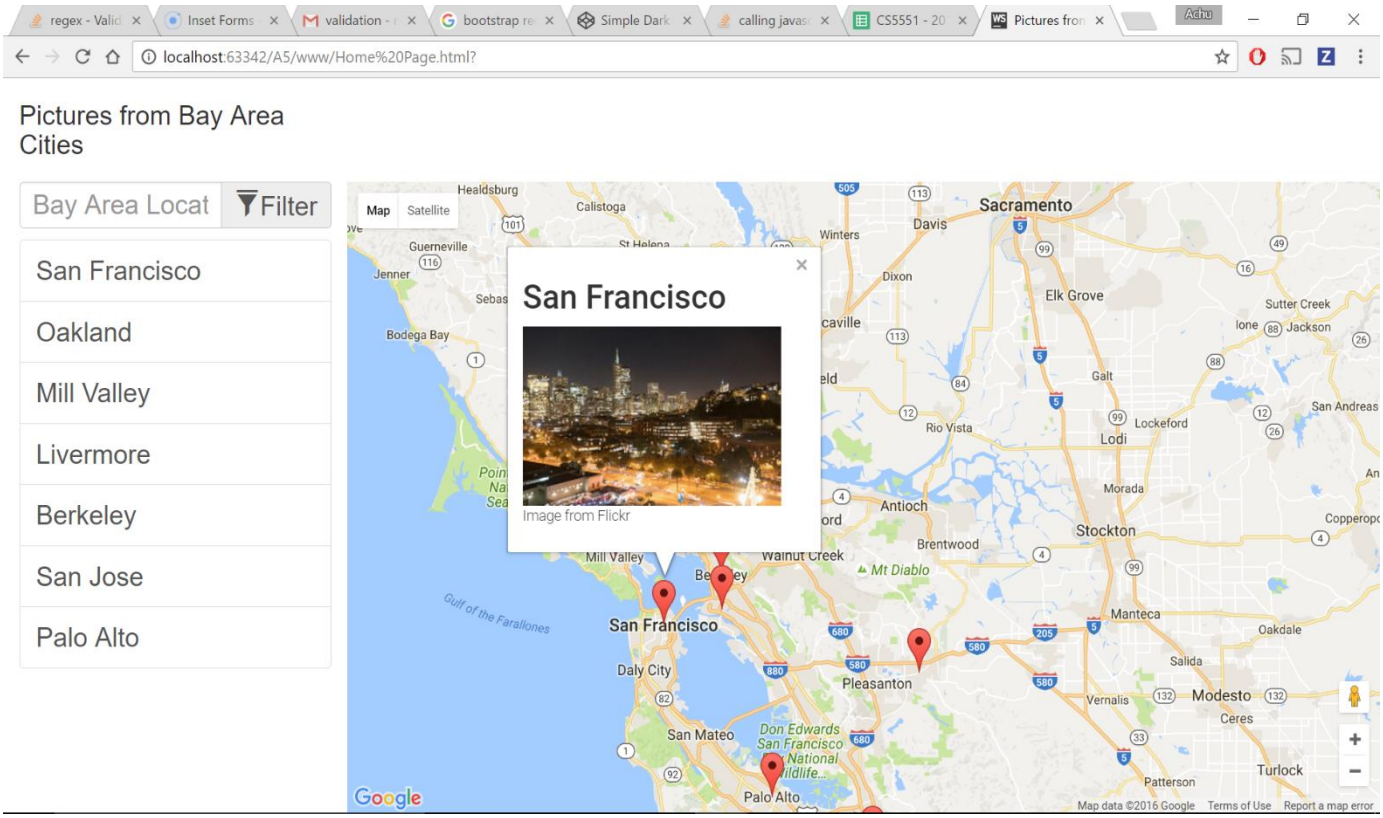
Oakland
Image from Flickr
Google


localhost:63342/A5/www/Home%20Page.html?
Pictures from Bay Area Cities
Bay Area Locat
Filter
San Francisco
Oakland
Mill Valley
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Berkeley
San Jose
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Map
Satellite
San Francisco
Image from Flickr
Google

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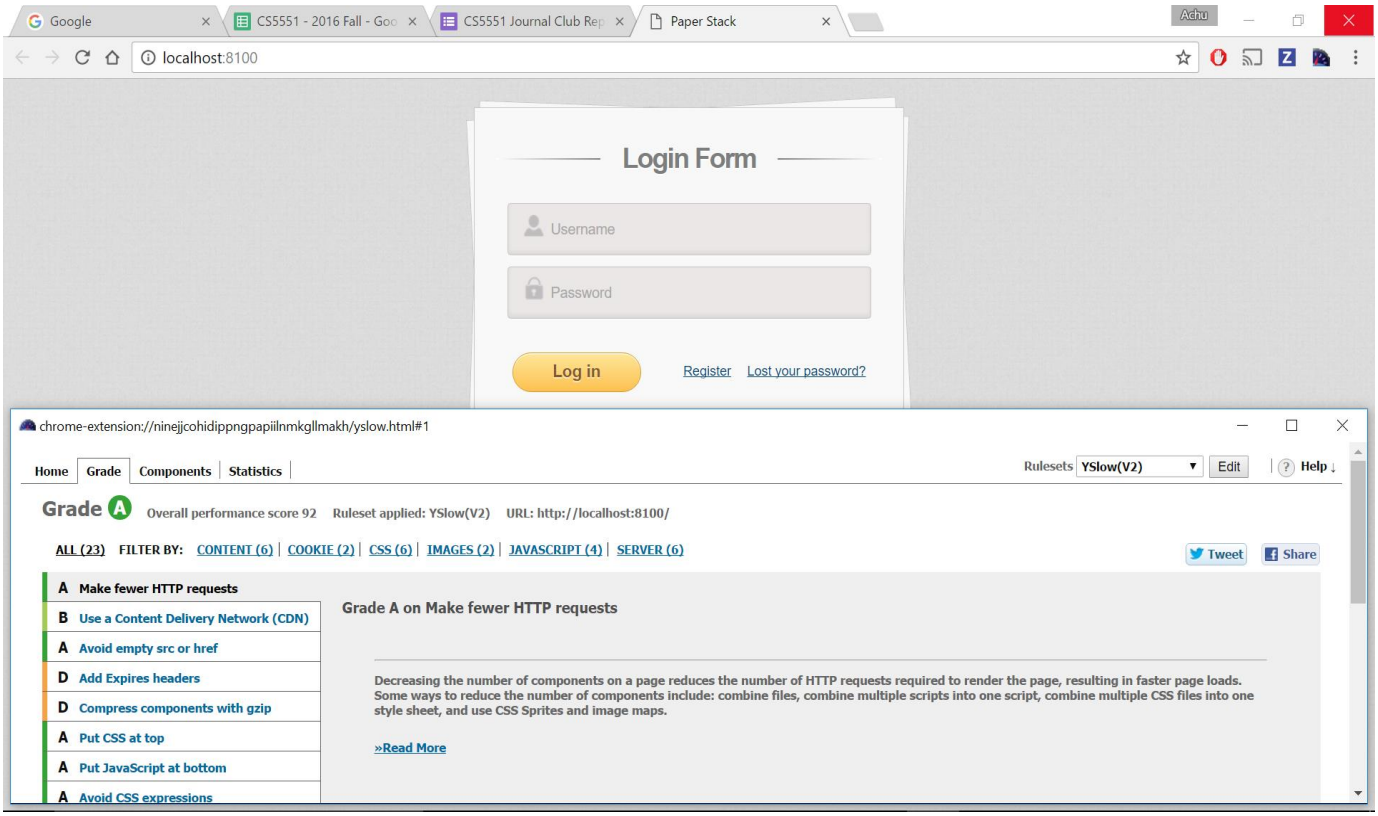
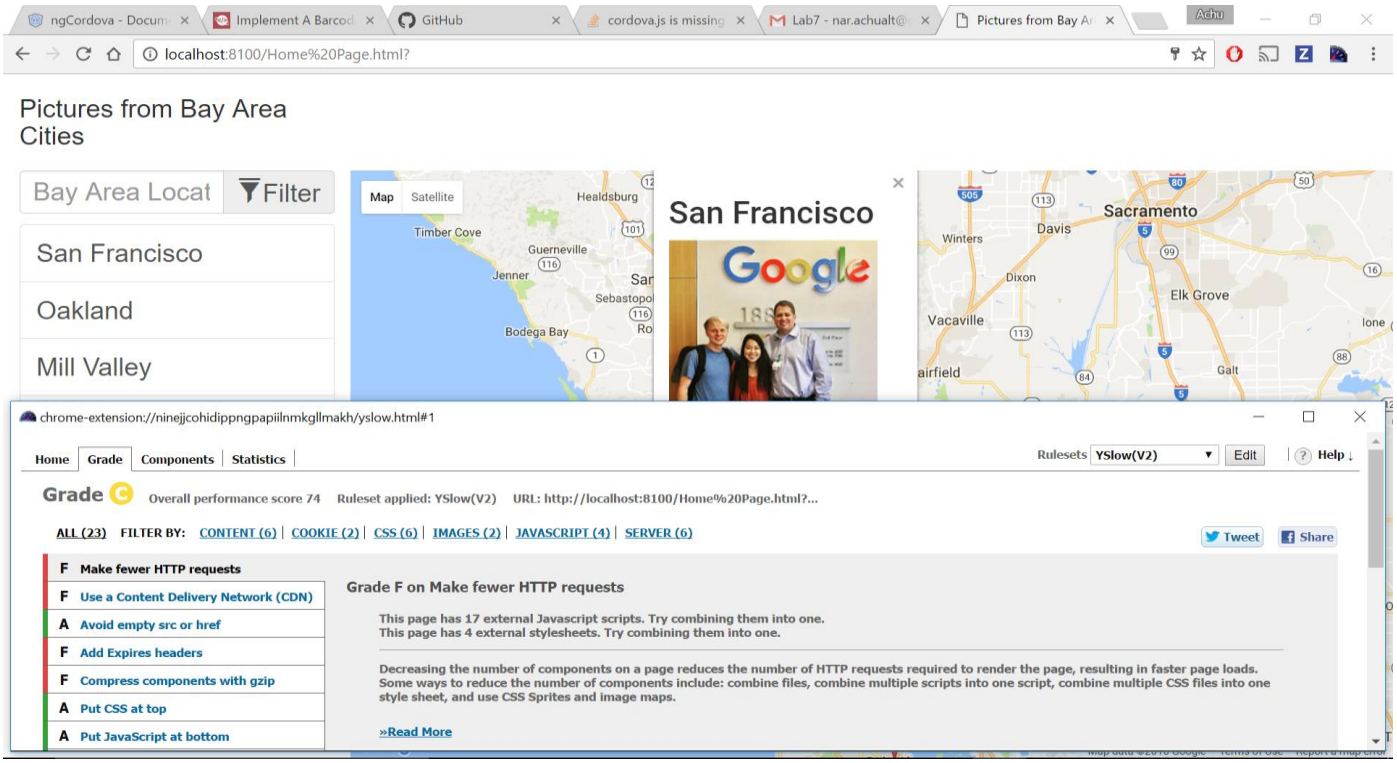
Using YSlow to test performance on browsers





References:

- http://www.flickr.com/services/api/flickr.photos.search.html
- http://ionicframework.com/docs/components/#inset-forms
- http://ngcordova.com/docs/plugins/
- https://developers.google.com/maps/
- Class Tutorial