

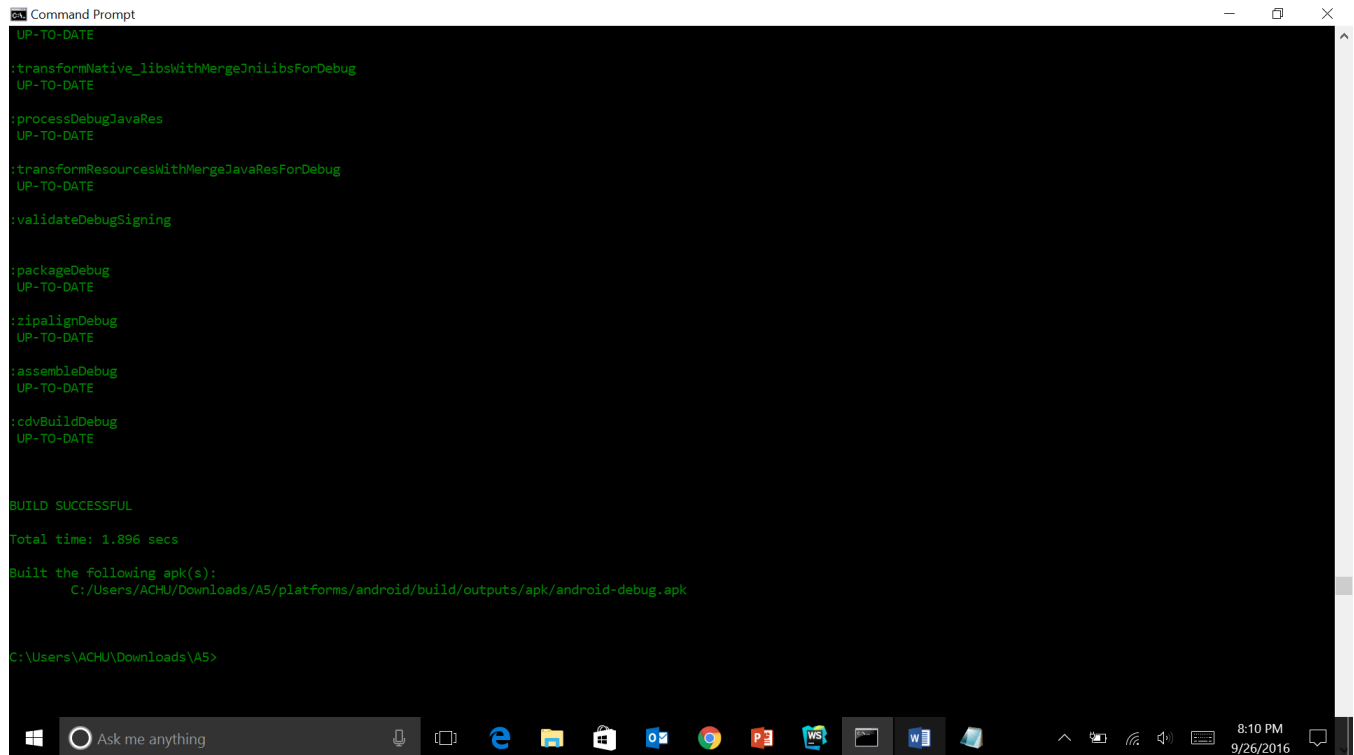
CS5551 Advanced Software Engineering

Lab Assignment #5

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

Technology used: Angular JS, HTML/CSS, JavaScript

Building the app from command prompt through ionic frame work



```
Command Prompt
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

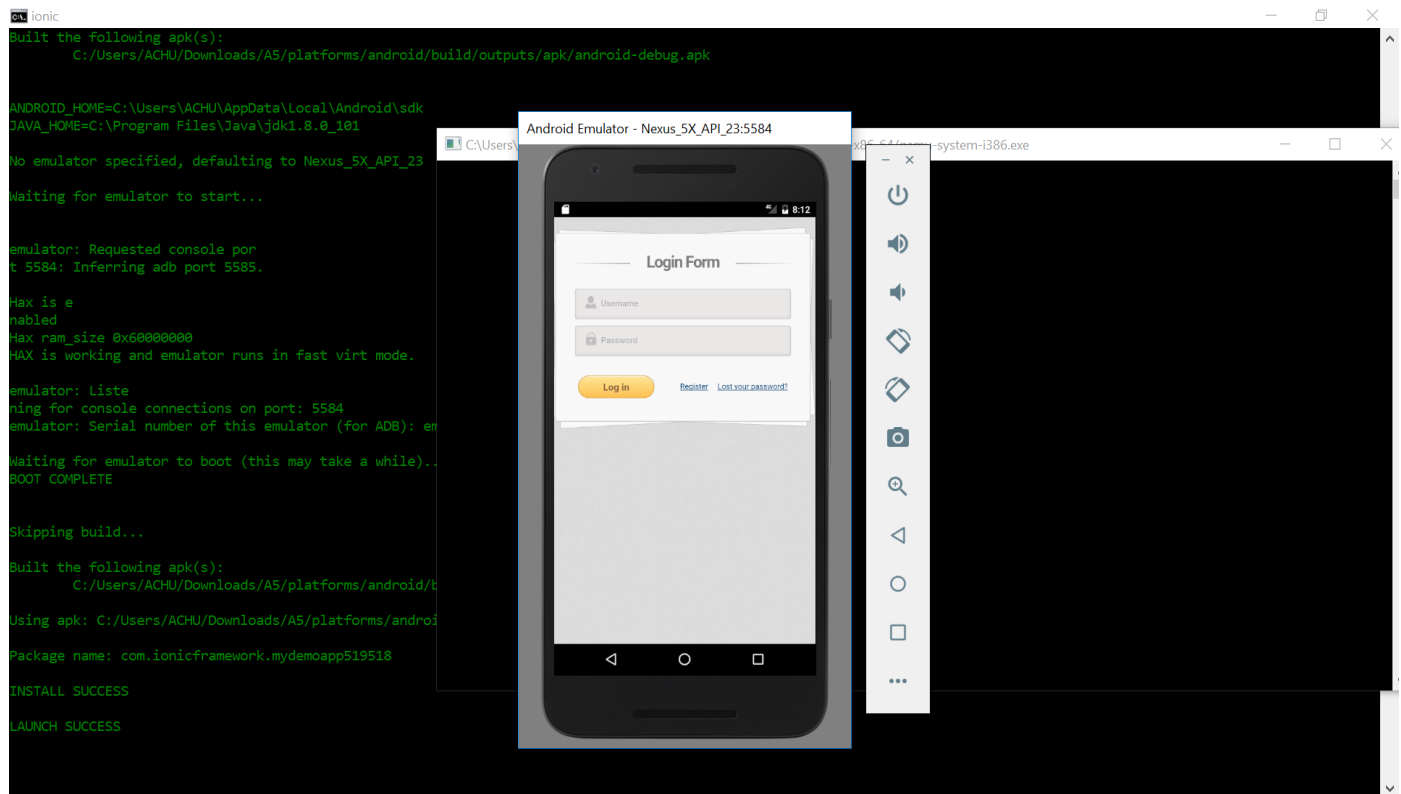
:assembleDebug
UP-TO-DATE

:cdvBuildDebug
UP-TO-DATE

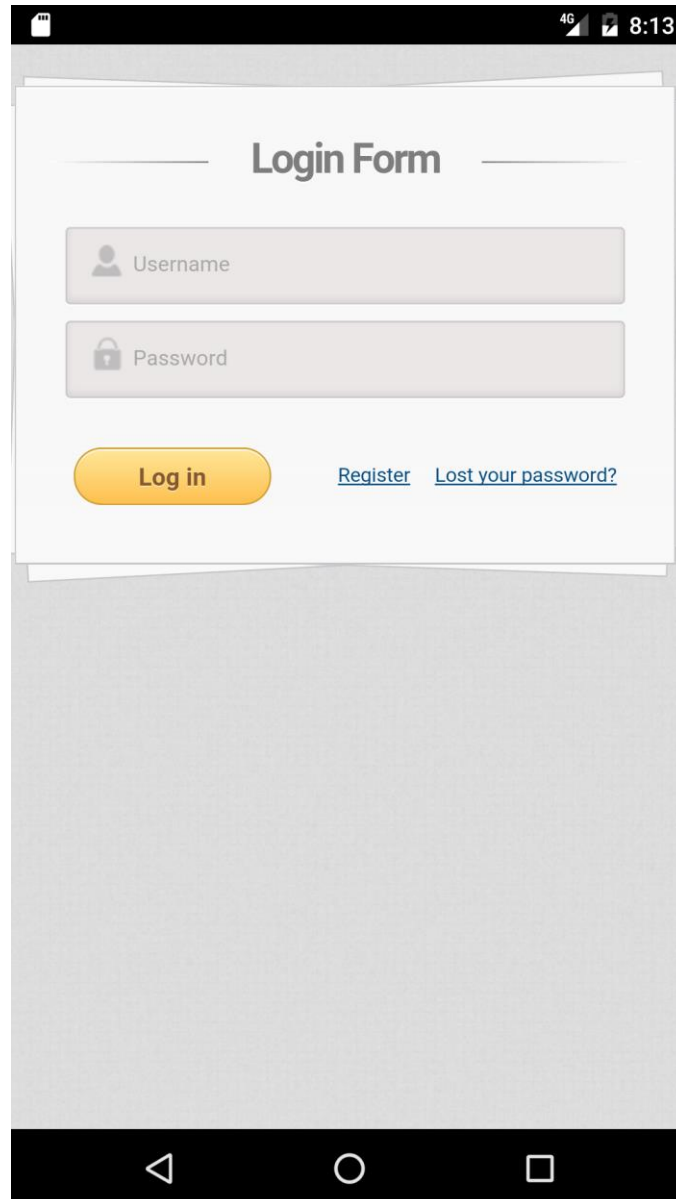
BUILD SUCCESSFUL
Total time: 1.896 secs
Built the following apk(s):
   C:\Users\ACHU\Downloads\A5\platforms\android\build\outputs\apk\android-debug.apk

C:\Users\ACHU\Downloads\A5>
```

Building the app and launching it on the Android emulator



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



A mobile application login form mockup displayed on a smartphone screen. The screen has a black status bar at the top showing a signal icon, 4G, a battery icon, and the time 8:13. The app's background is a light gray with a subtle paper texture. The login form is a white card with a drop shadow, titled "Login Form" in a bold, dark gray font, flanked by horizontal lines. It contains two input fields: "Username" with a person icon and "Password" with a lock icon. Below the fields is a yellow "Log in" button. To the right of the button are two blue links: "Register" and "Lost your password?". The bottom of the screen features a black navigation bar with three white icons: a back arrow, a circle, and a square.

4G 8:13

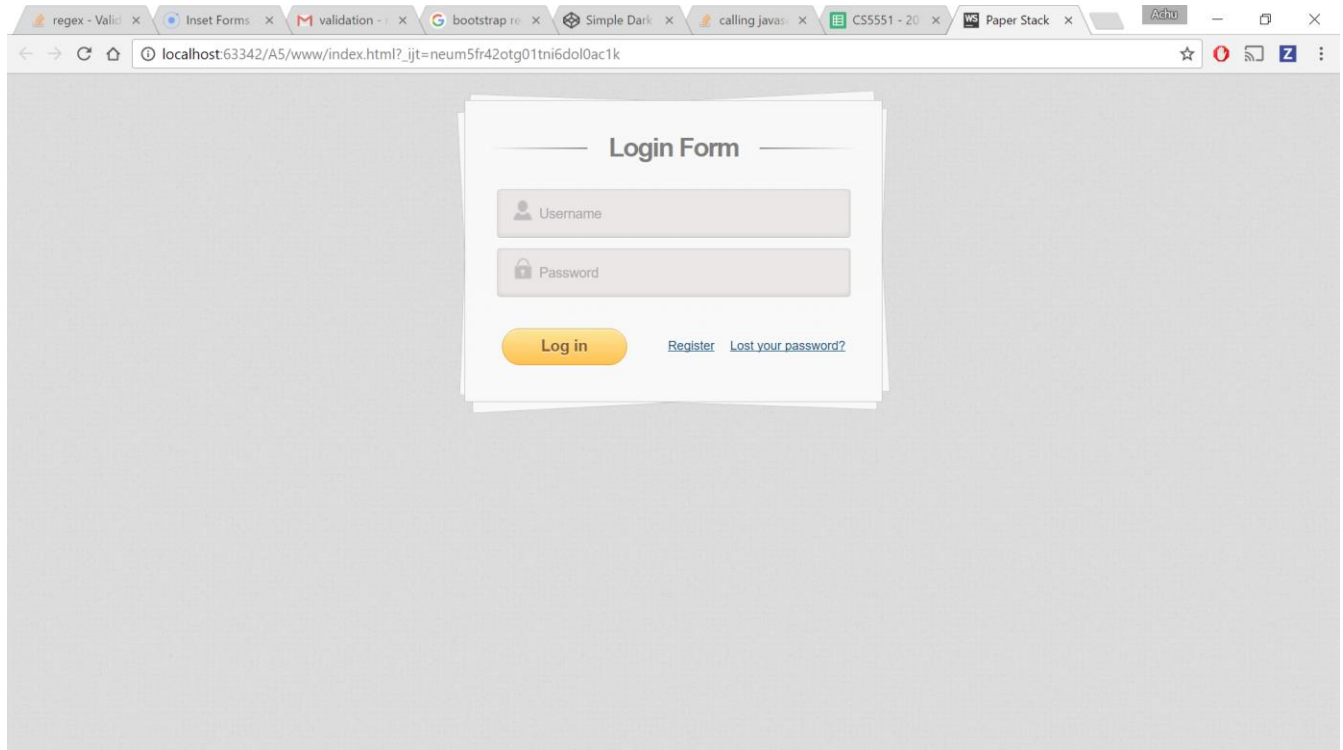
Login Form

Username

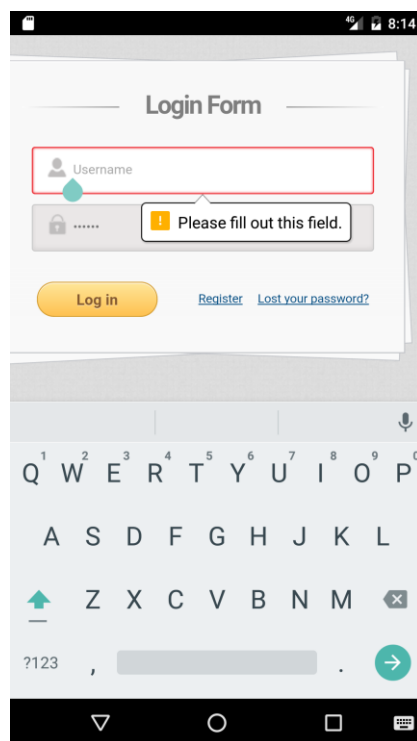
Password

Log in

[Register](#) [Lost your password?](#)



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

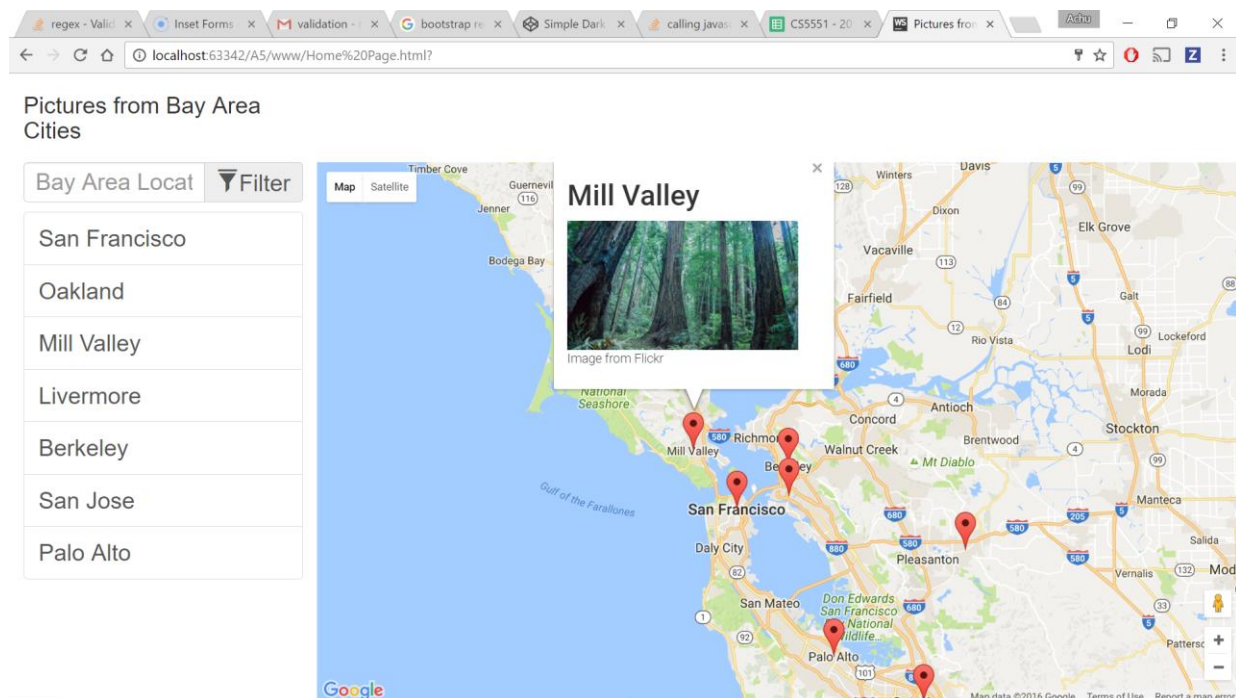
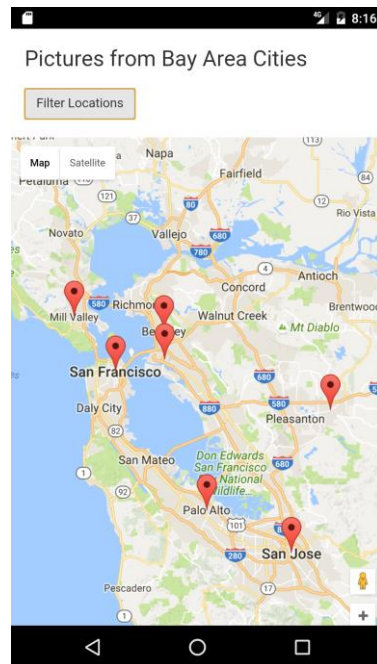


A mobile view of a login form titled "Login Form". It features a text input field for the username "Achu" and a password input field. The password field is highlighted with a red border, and a validation message "Please fill out this field." is displayed above it. Below the password field is a yellow "Log in" button and two links: "Register" and "Lost your password?". A virtual keyboard is visible at the bottom of the screen.

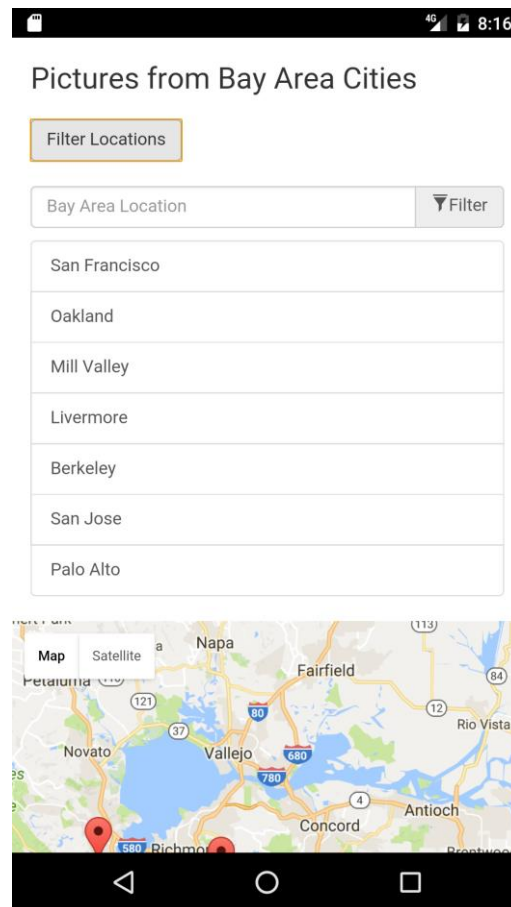
A desktop view of the same login form. The form is centered on a gray background. It has a title "Login Form" and a text input field for the username "Admin". The password input field is highlighted with a red border, and a validation message "Please fill out this field." is displayed to its right. Below the password field are a yellow "Log in" button and two links: "Register" and "Lost your password?". The browser's address bar shows the URL "localhost:63342/A5/www/index.html?_ijt=neum5fr42otg01tni6dol0ac1k".

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

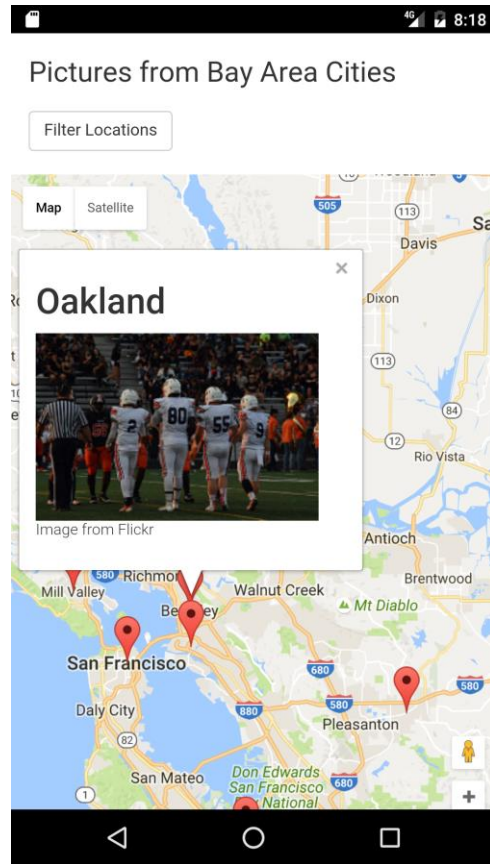
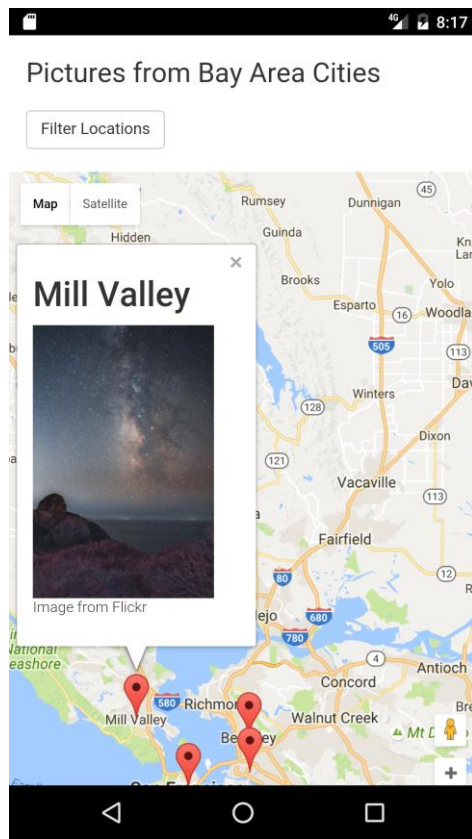
Here two mashups of both Google maps and Flickr which retrieves popular (trending) images on the selected cities.



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.



regex - Valid x Inset Forms x validation - x bootstrap re x Simple Dark x calling java x CS551 - 20 x Pictures from x Achu

localhost:63342/A5/www/Home%20Page.html?

Pictures from Bay Area Cities

Bay Area Locat Filter

- San Francisco
- Oakland
- Mill Valley
- Livermore
- Berkeley
- San Jose
- Palo Alto

Map Satellite

San Jose

Image from Flickr

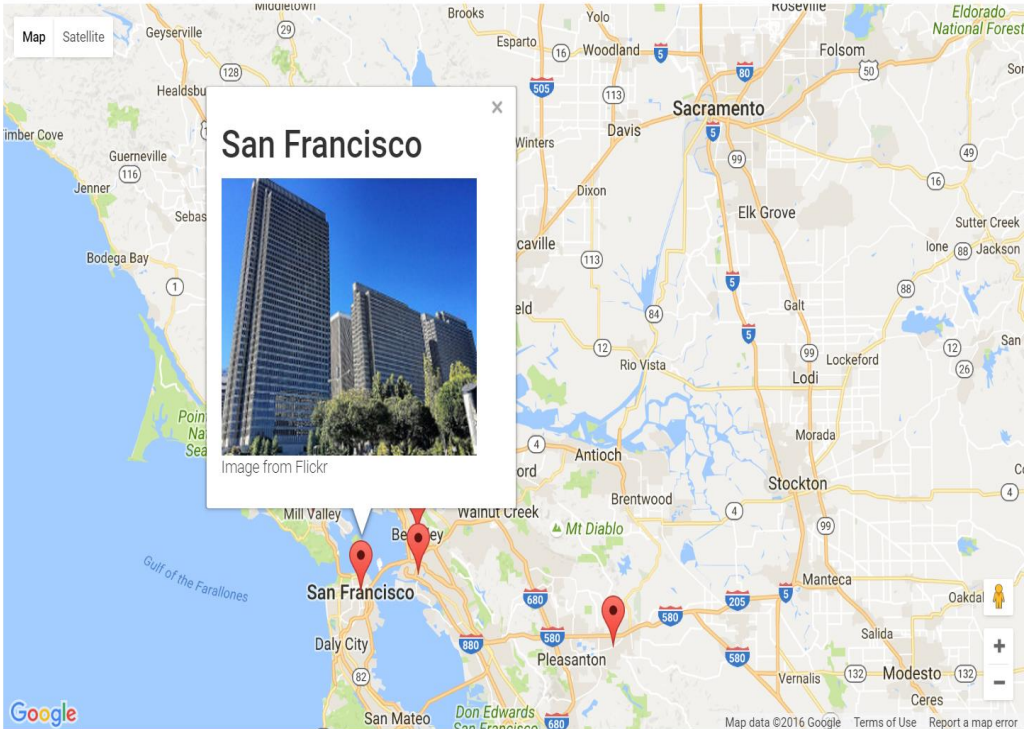
regex - Valid x Inset Forms x validation - x bootstrap re x Simple Dark x calling javas x CS5551 - 20 x WS Pictures from x Achu

localhost:63342/A5/www/Home%20Page.html?

Pictures from Bay Area Cities

Bay Area Locat Filter

- San Francisco
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Map data ©2016 Google Terms of Use Report a map error

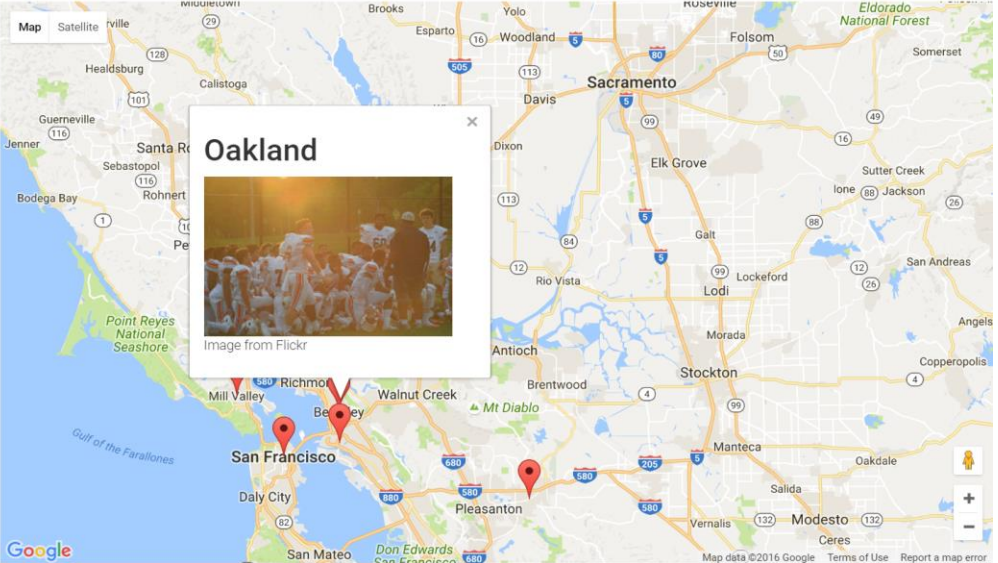
regex - Valid x Inset Forms x validation - x bootstrap re x Simple Dark x calling javas x CS5551 - 20 x WS Pictures from x Achu

localhost:63342/A5/www/Home%20Page.html?

Pictures from Bay Area Cities

Bay Area Locat **Filter**

- San Francisco
- Oakland
- Mill Valley
- Livermore
- Berkeley
- San Jose
- Palo Alto



The map shows the San Francisco Bay Area with various cities labeled. A popup window for Oakland is displayed, showing a group of people in white shirts and dark pants, possibly a sports team or a group photo. The popup is titled "Oakland" and includes the text "Image from Flickr".

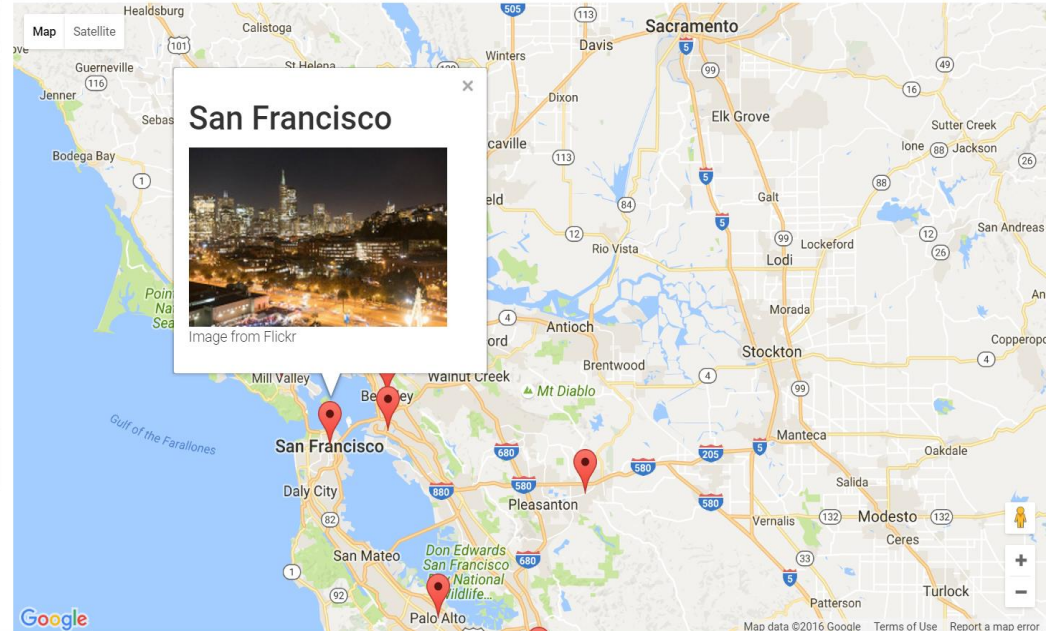
regex - Valid x Inset Forms x validation - x bootstrap re x Simple Dark x calling javas x CS5551 - 20 x WS Pictures from x Achu

localhost:63342/A5/www/Home%20Page.html?

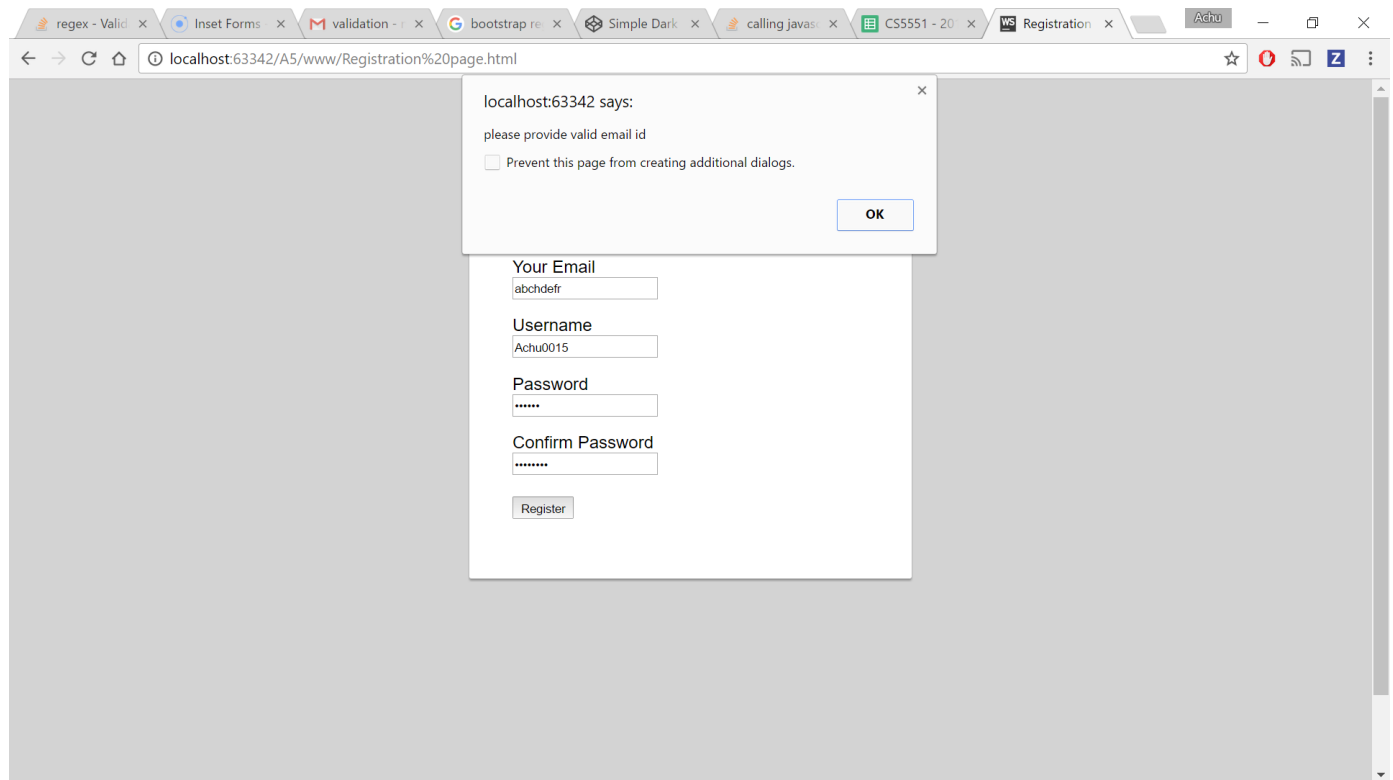
Pictures from Bay Area Cities

Bay Area Locat **Filter**

- San Francisco
- Oakland
- Mill Valley
- Livermore
- Berkeley
- San Jose
- Palo Alto



The map shows the San Francisco Bay Area with various cities labeled. A popup window for San Francisco is displayed, showing a night view of the city skyline with the Golden Gate Bridge and the city lights. The popup is titled "San Francisco" and includes the text "Image from Flickr".



Google Maps uses Flickr API to render the images particular to that city.

References:

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