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**Lab No : 9**

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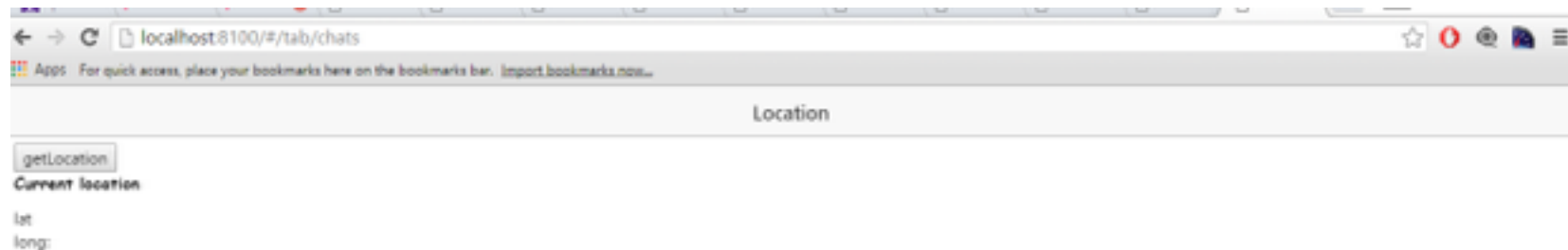
**Date : 23rd Mar 2016**

**Objective:**

To create an application useful for retrieving details about restaurants and Location of an address. For that I added Geolocation cordova plugin gives latitude and longitude of the location. For the details I used the Foursquare API. To develop the application I used the technologies like HTML, CSS, Angular JS and JS. After developing the application to know the performance I used Yslow Web service. Slow is useful for analysing HTML pages positives and negatives. It performs analysis based on set of rules and suggest the ways to improve the application.

**Application :**

**Step 1:** The following page will give a button to select get location details. It will provide the latitude and longitude of the present location using Foursquare API. Using HTML I displayed those details in browser to integrate those details with Android application.



**Figure 1**

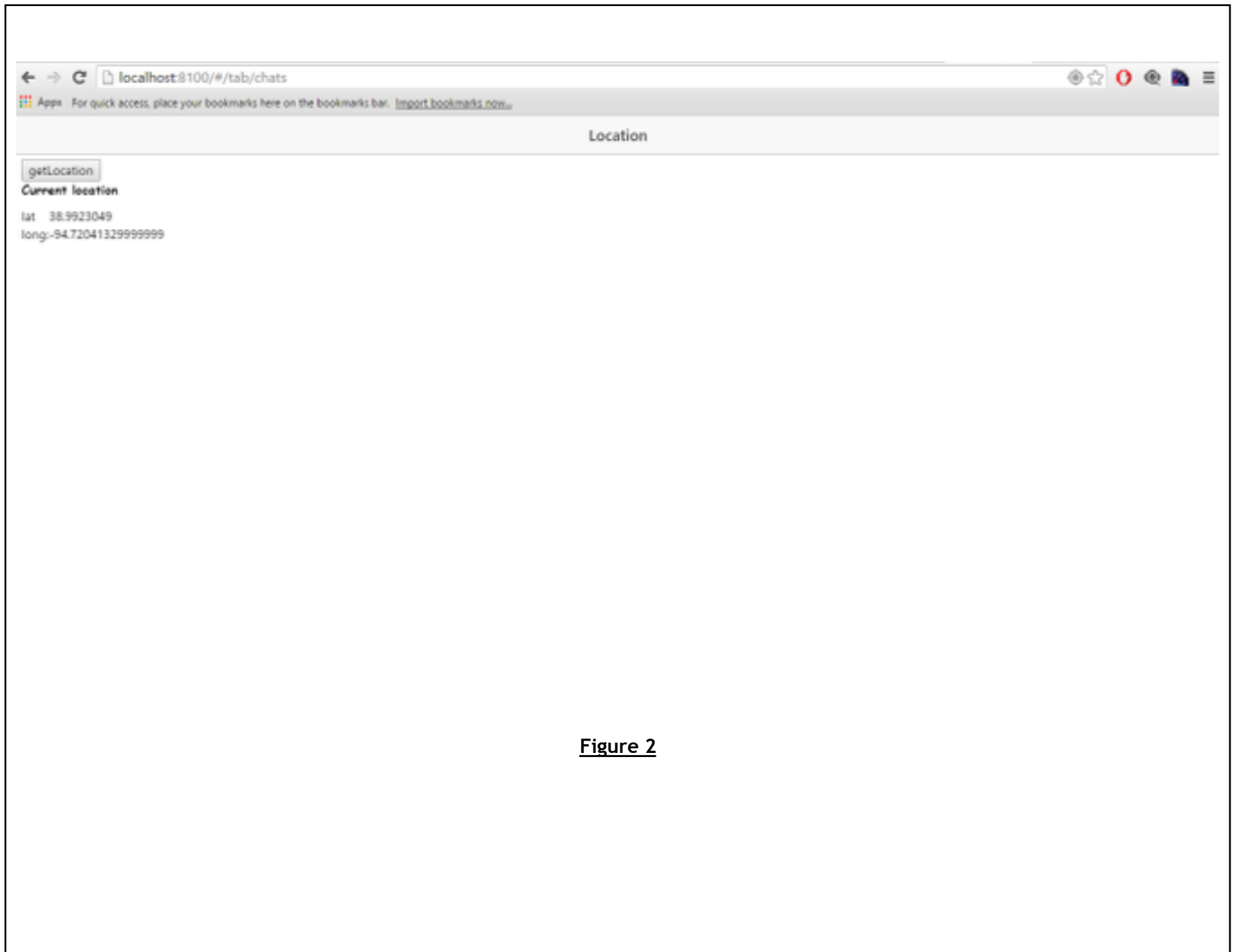


Figure 2

**Step 2 : Restaurants page :** The following page will give a button to select get restaurants near by details. It will provide the nearest restaurants for the present location using Foursquare API and GPI. Using HTML I displayed those details in browser to integrate those details with Android application.



Figure 1

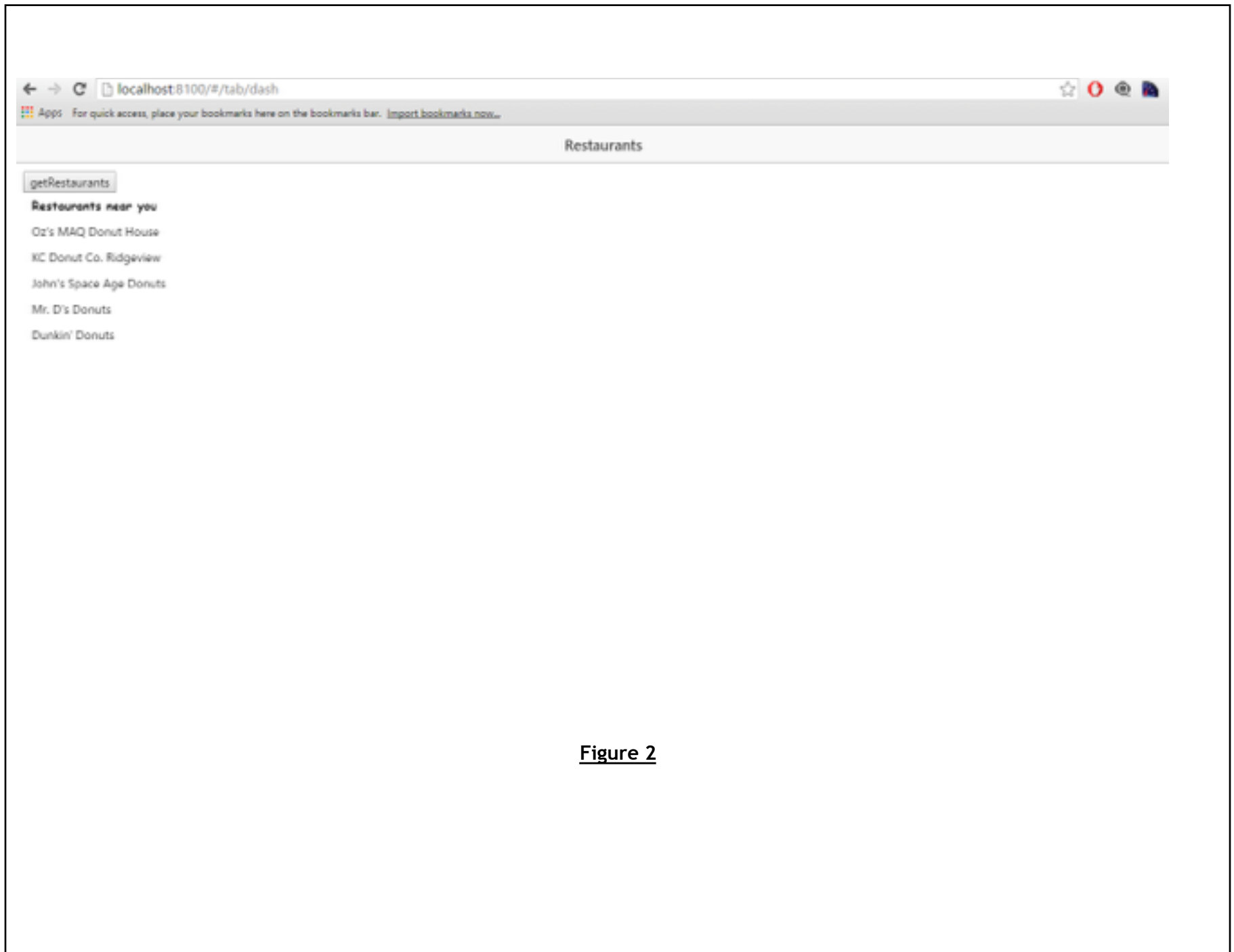
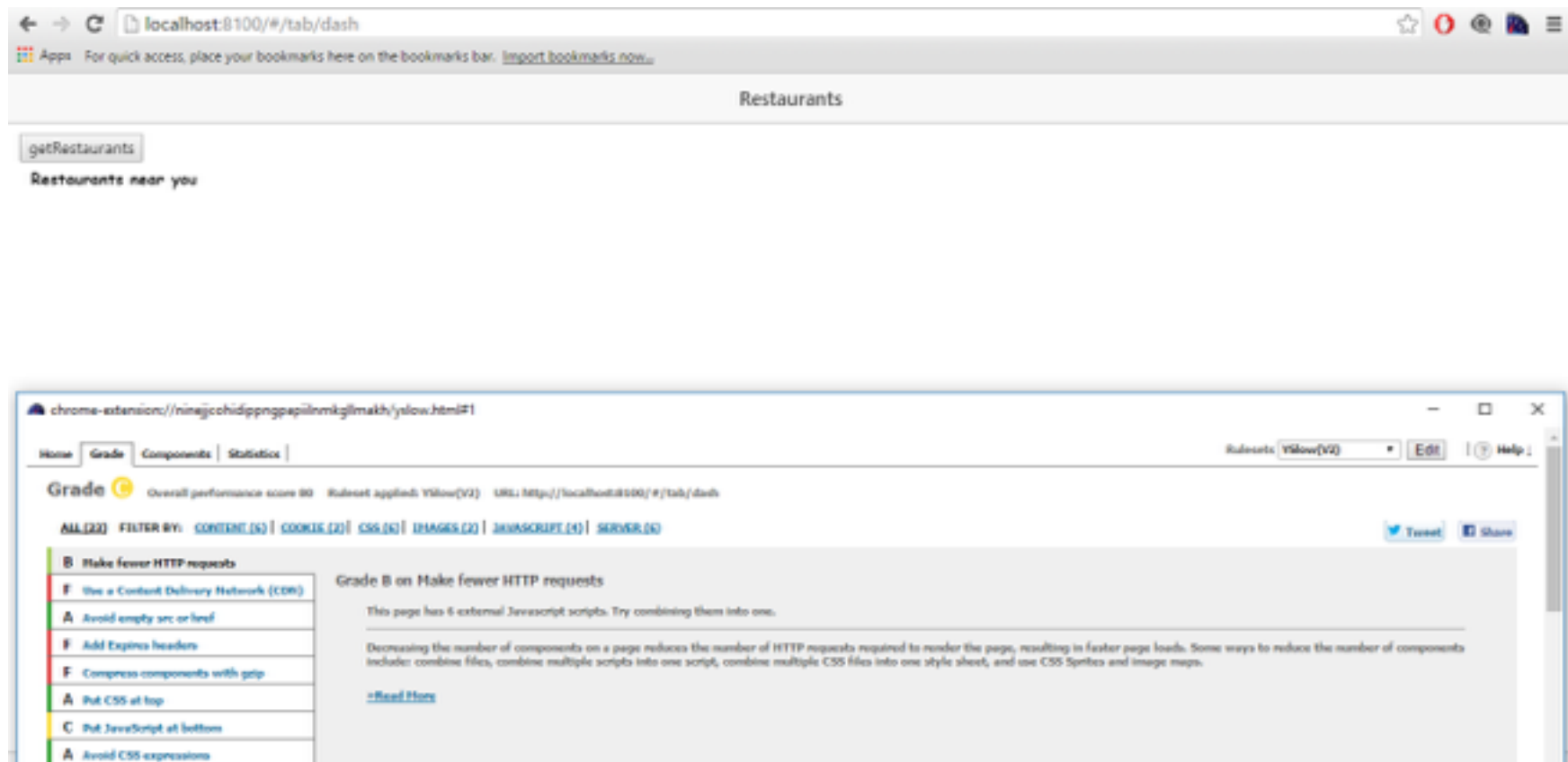


Figure 2

**Step 3 : Yslow for HTML analysis :** The following image is the output for the HTML pages working using Yslow. Where it gives the grade for the HTML pages.



**Figure 1**

## Step 4 : Statistics Graph :

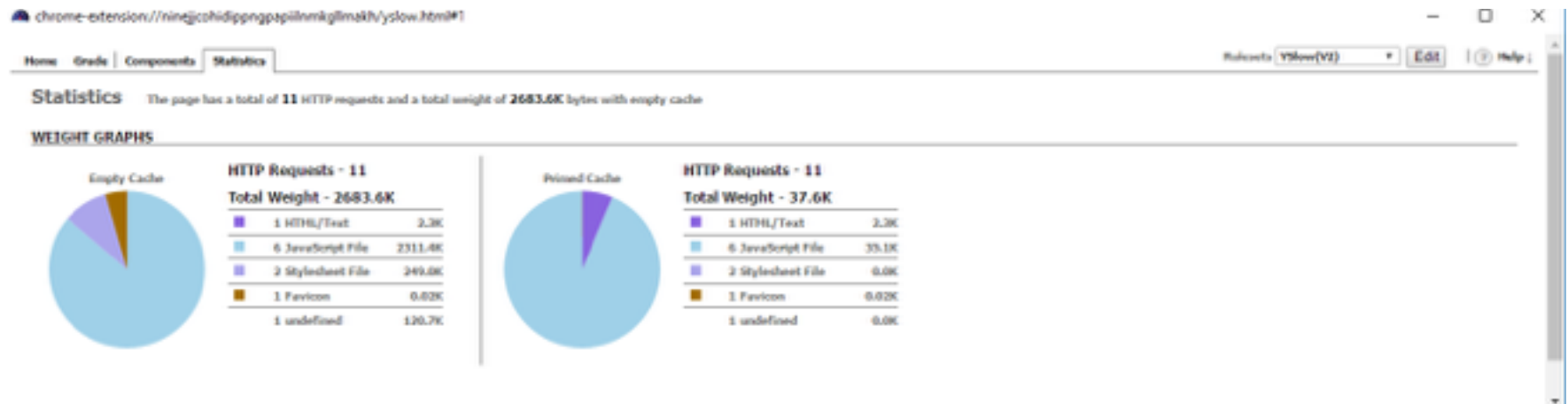


Figure 1

**Step 5 : Integrating with Android Application :** The above retrieved data is integrated in an android application for better and easy use.



**Figure 1**



Figure 2



**References:**

- 1) <http://ngcordova.com/docs/plugins>
- 2) <http://developer.foursquare.com>