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Lab No : 5

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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 android, HTML, CSS, Angular JS and JS. After developing the application to know the performance I used Yslow Web service in Brackets. 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.

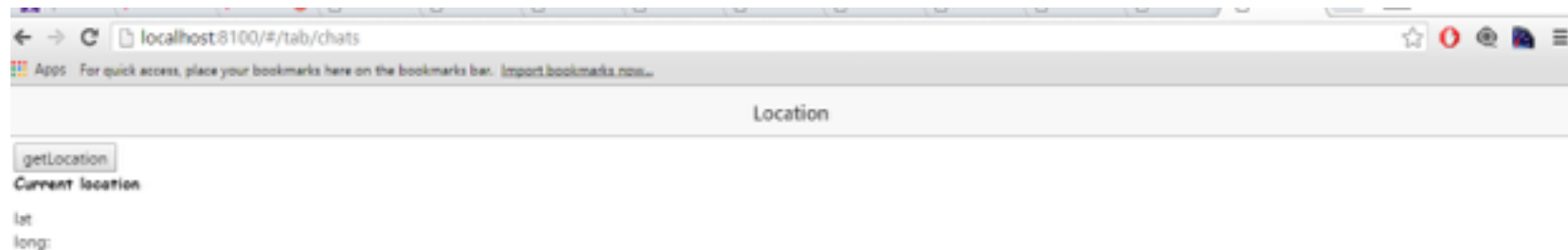


Figure 1

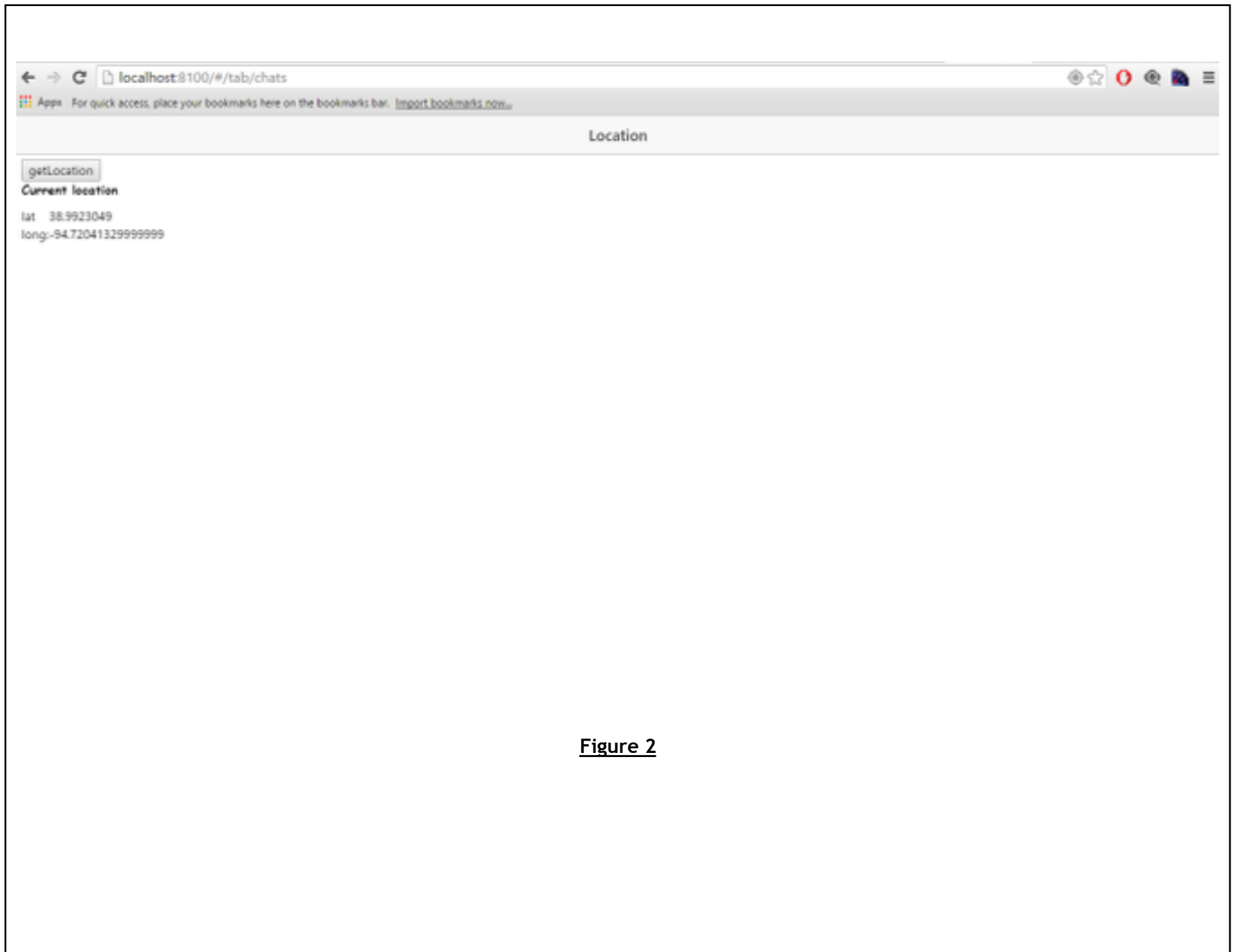


Figure 2

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

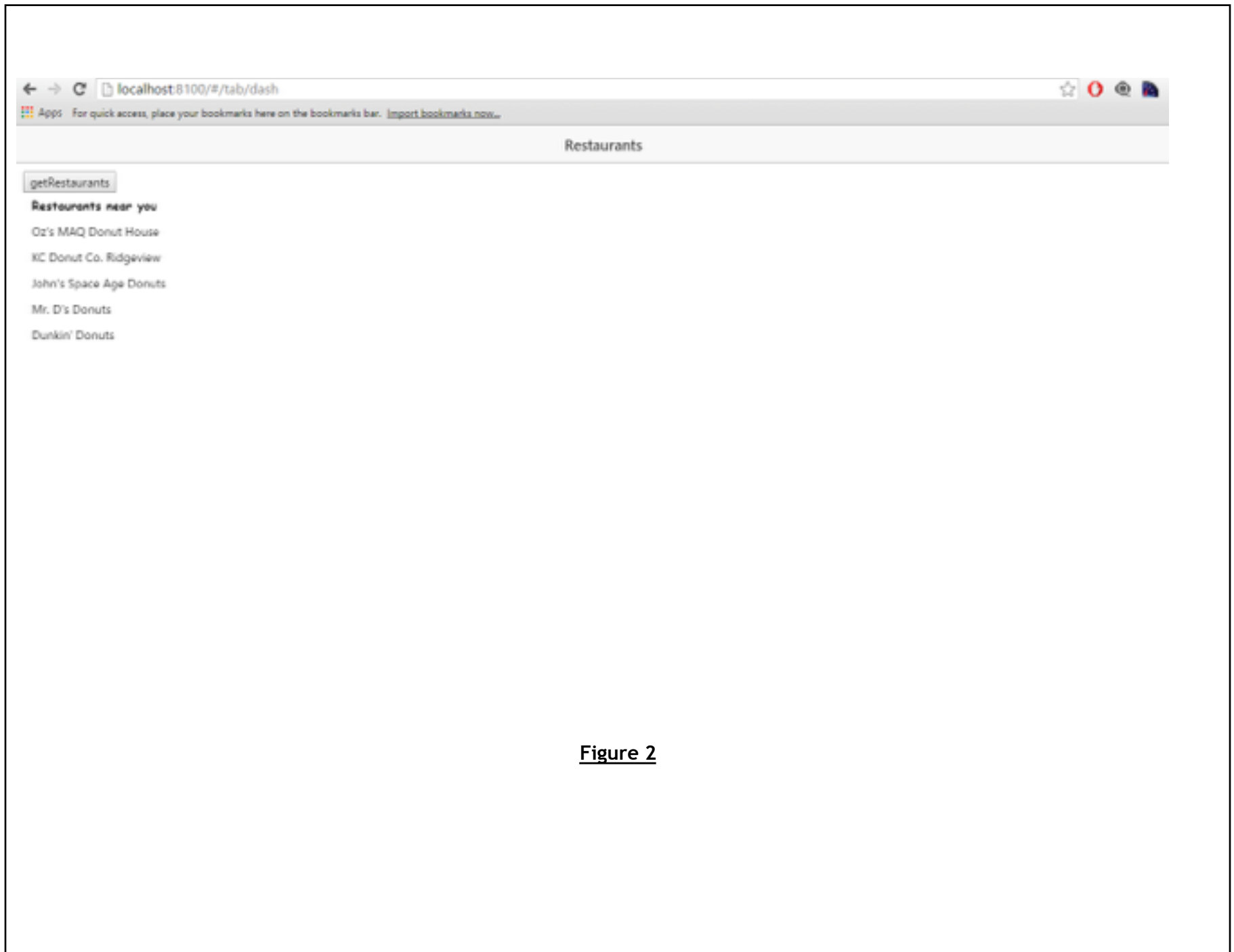


Figure 2

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.

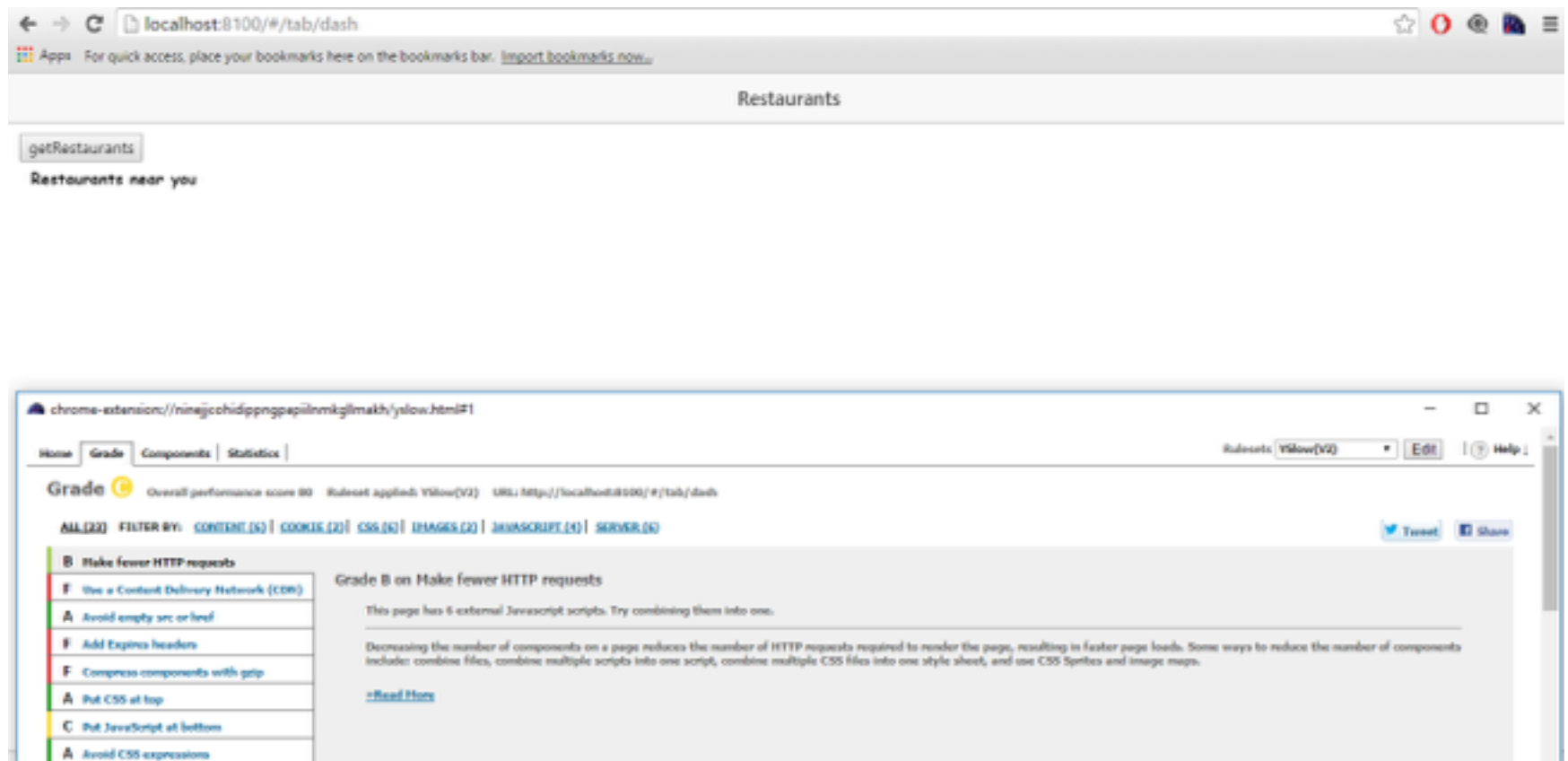


Figure 1

Step 4 : Statistics Graph :

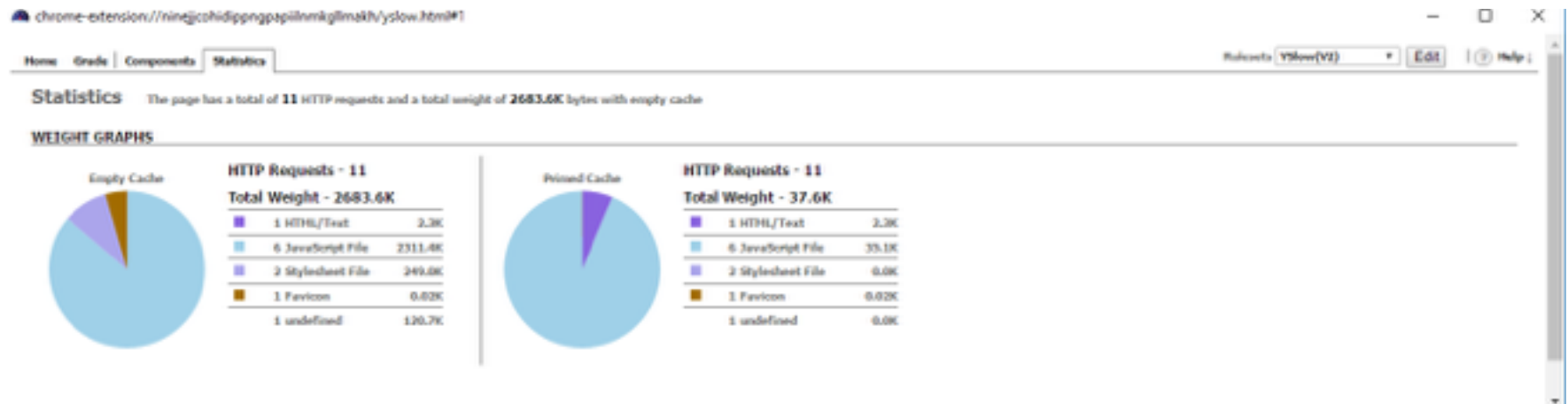


Figure 1

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>