

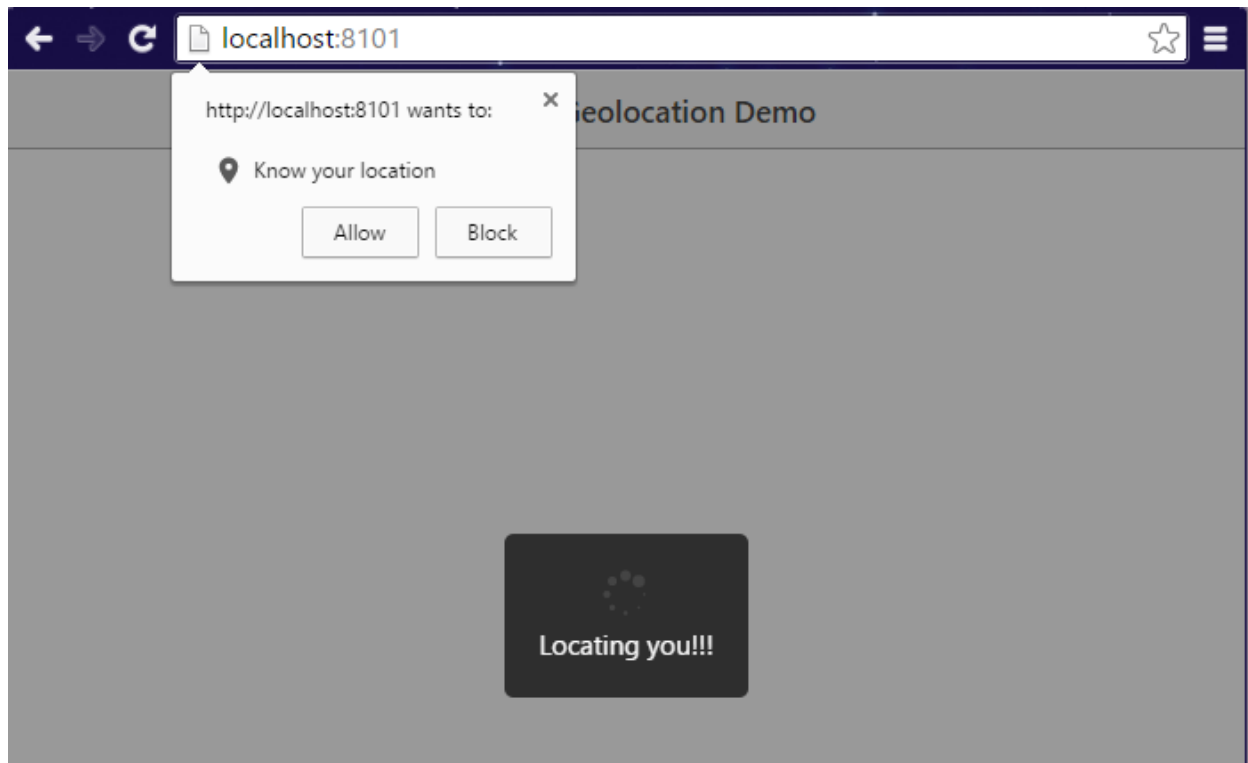
COMP-SCI 5551 Advanced Software Engineering Assignment 9 Solution

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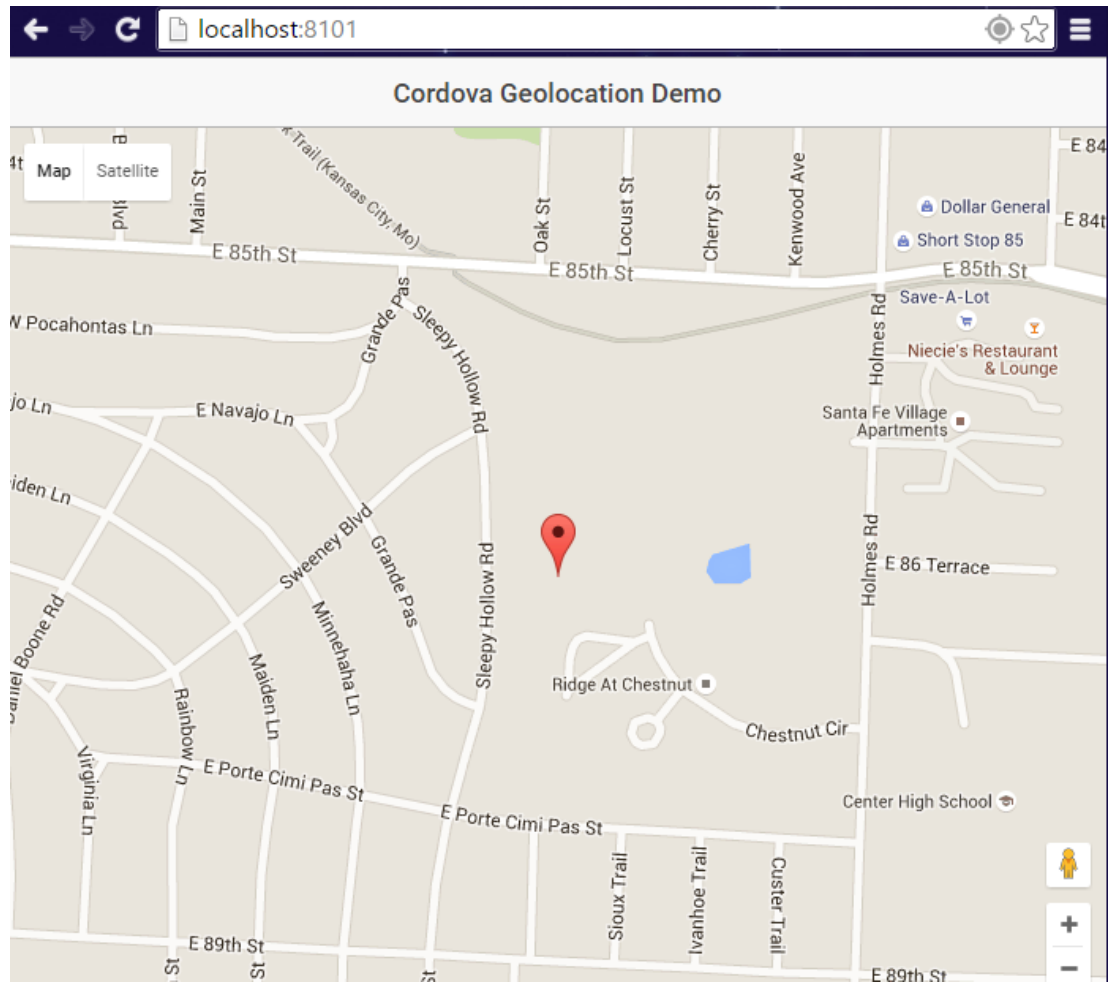
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I've developed an android application that uses the cordova location plug-in. We can use this in our application to pinpoint the labs locations and to get directions.

Below are the screenshots of the application both in web browser and in the android mobile phone.

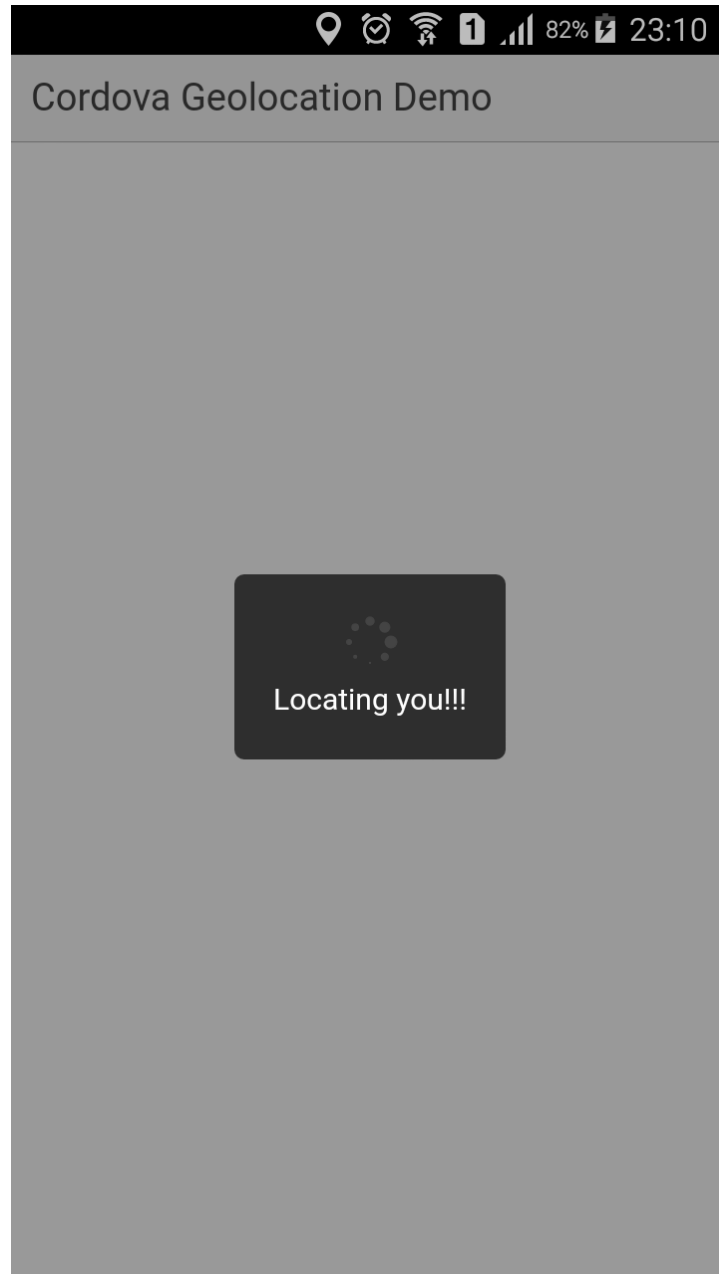


Browser asking for sharing my location

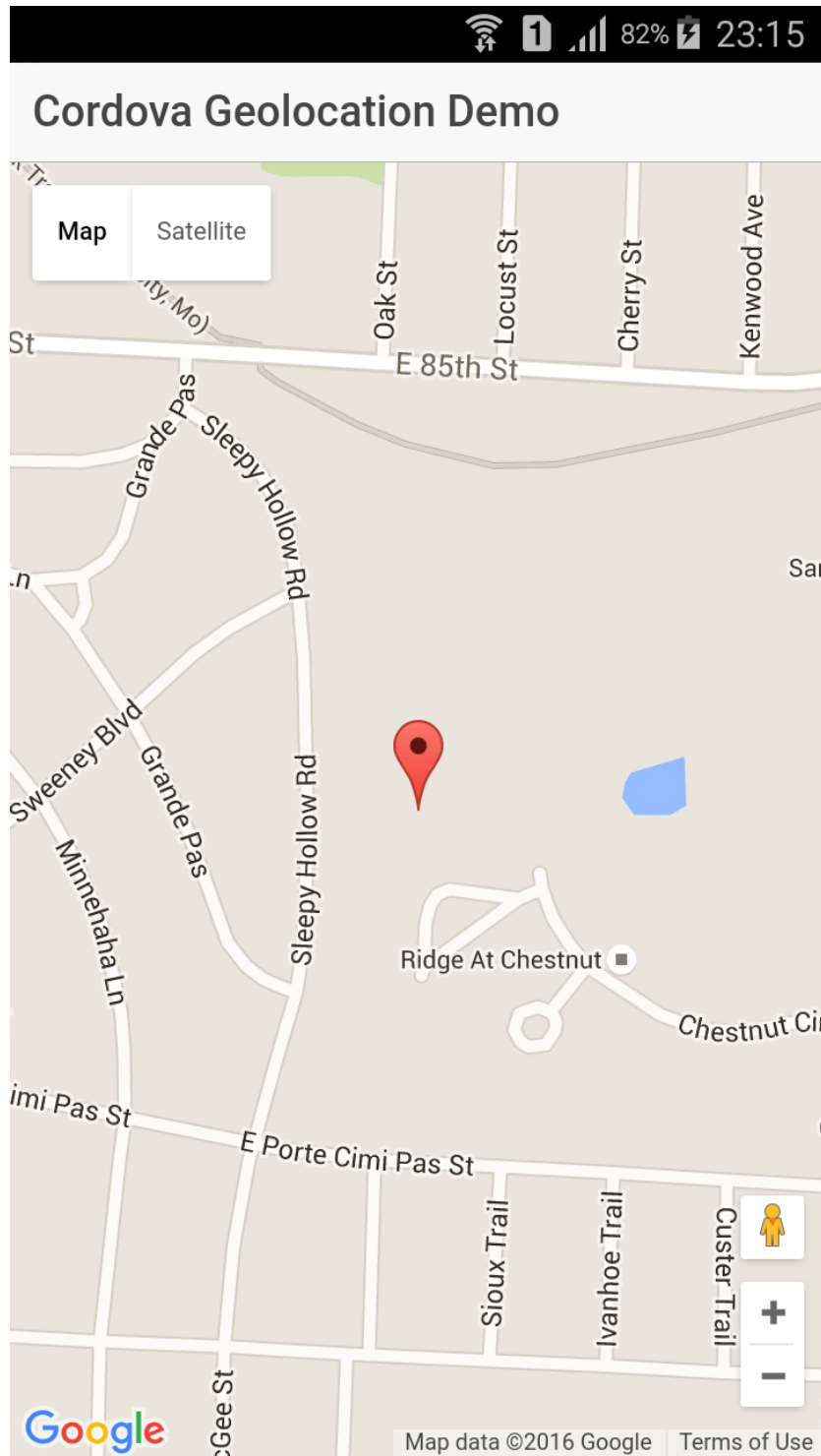


Marking my location with marker using cordova location plugin

Getting the accurate location may take some time. So, I'm displaying a processing pop up as shown below.



Geolocating my position in android device



Marker with my location using cordova location plugin

Performance testing with YSlow in Google Chrome

chrome-extension://ninejjcohidippngpapiilnmkgllmakh/yslow.html#449

Home | **Grade** | Components | Statistics

Rulesets: YSlow(V2) | Edit | ? Help

Grade C Overall performance score 76 Ruleset applied: YSlow(V2) URL: http://localhost:8101/

ALL (23) FILTER BY: CONTENT (6) | COOKIE (2) | CSS (6) | IMAGES (2) | JAVASCRIPT (4) | SERVER (6)

B 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

Grade B on Make fewer HTTP requests

This page has 7 external Javascript scripts. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[Read More](#)

Statistics:

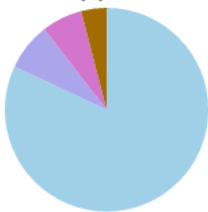
chrome-extension://ninejjcohidippngpapiilnmkgllmakh/yslow.html#449

Home | Grade | Components | **Statistics**

Statistics The page has a total of **46** HTTP requests and a total weight of **2986.5K** bytes with empty cache

WEIGHT GRAPHS

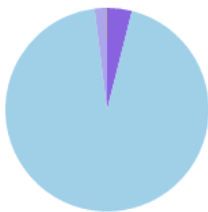
Empty Cache



HTTP Requests - 46
Total Weight - 2986.5K

| | |
|--------------------|---------|
| 1 HTML/Text | 2.4K |
| 14 JavaScript File | 2445.3K |
| 3 Stylesheet File | 224.9K |
| 1 CSS Image | 0.3K |
| 25 Image | 192.7K |
| 1 Favicon | 0.02K |
| 1 undefined | 120.7K |

Primed Cache



HTTP Requests - 21
Total Weight - 62.0K

| | |
|-------------------|-------|
| 1 HTML/Text | 2.4K |
| 7 JavaScript File | 58.3K |
| 3 Stylesheet File | 1.1K |
| 1 CSS Image | 0.0K |
| 7 Image | 0.0K |
| 1 Favicon | 0.02K |
| 1 undefined | 0.0K |