

CS5551

Advance Software Engineering  
Lab Assignment – 9

In this assignment I have used one plugin Geolocation plugin that tracks the location of the user.

After user logged in to the application he directed to the home page. He navigates to his profile page in which he can tracks his location by clicking on the get location button.

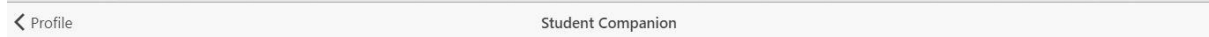
### Screen Shots:

#### Web Application:



Login

Log in



Welcome to Student Companion







## Mobile Application:





Login

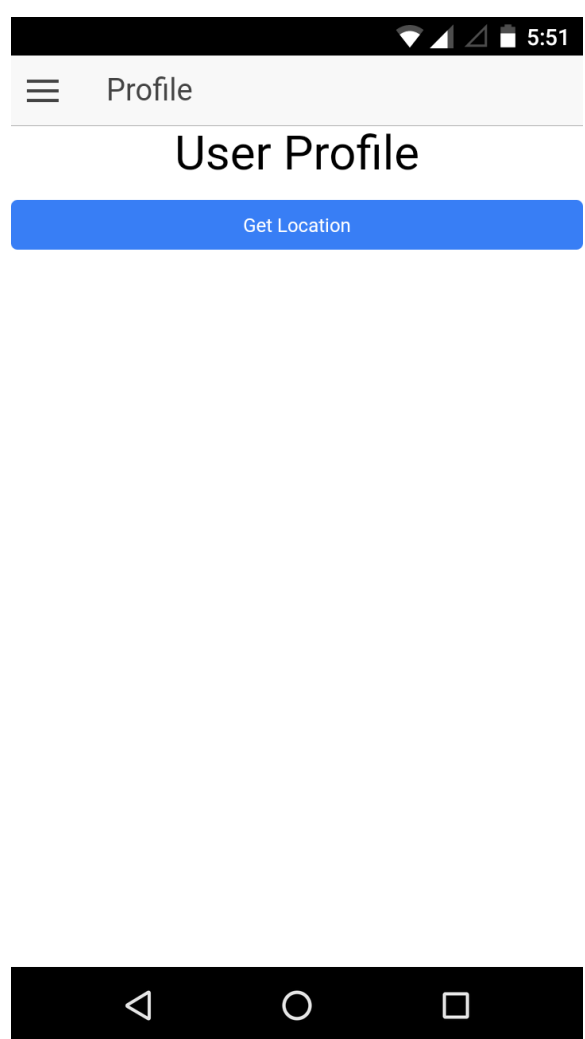
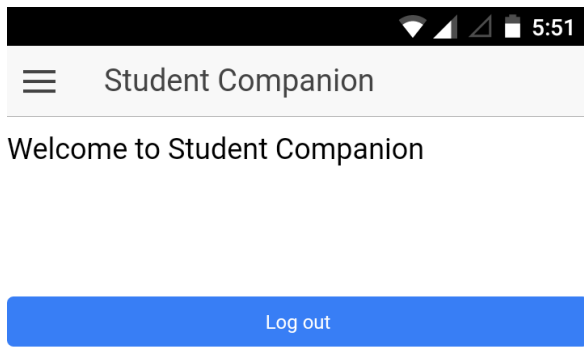
 SSO
 Password
<div>Log in</div>

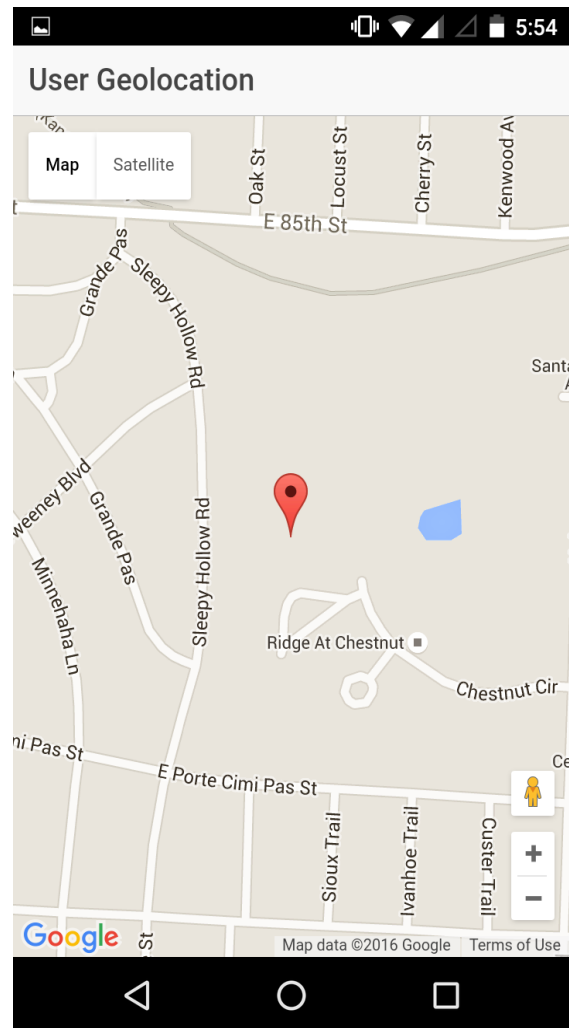


Login

 RMYB9
 .....
<div>Log in</div>







## Performance Testing using YSlow:

Home | **Grade** | Components | Statistics | Rulesets: YSlow(V2) | Edit | ? Help

**Grade** Overall performance score 78 Ruleset applied: YSlow(V2) URL: http://localhost:8101/

ALL (23) FILTER BY: [CONTENT \(6\)](#) | [COOKIE \(2\)](#) | [CSS \(6\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(4\)](#) | [SERVER \(6\)](#) [Tweet](#) [Share](#)

E	Make fewer HTTP requests
F	Use a Content Delivery Network (CDN)
A	Avoid empty src or href
F	Add Expires headers
A	Compress components with gzip
A	Put CSS at top
F	Put JavaScript at bottom
A	Avoid CSS expressions
n/a	Make JavaScript and CSS external
A	Reduce DNS lookups
A	Minify JavaScript and CSS
A	Avoid URL redirects
A	Remove duplicate JavaScript and CSS
A	Configure entity tags (ETags)
A	Make AJAX cacheable
A	Use GET for AJAX requests
A	Reduce the number of DOM elements
A	Avoid HTTP 404 (Not Found) error
A	Reduce cookie size
F	Use cookie-free domains
A	Avoid AlphaImageLoader filter
A	Do not scale images in HTML

**Grade E on Make fewer HTTP requests**

This page has 14 external Javascript scripts. Try combining them into one.  
This page has 3 external stylesheets. 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.

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Statistics The page has a total of 46 HTTP requests and a total weight of 370.9K bytes with empty cache

WEIGHT GRAPHS

