

Lab Assignment 9

Included below cordova plugins for the development of app

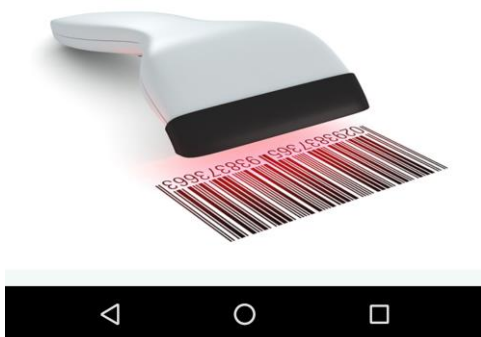
- Geo Location
- Barcode Scanner
- Toast plugin
- Splash Screen

Analysed the performance using Yslow. Below are screenshots after deploying the app on android device.

1. Splash Screen – 1



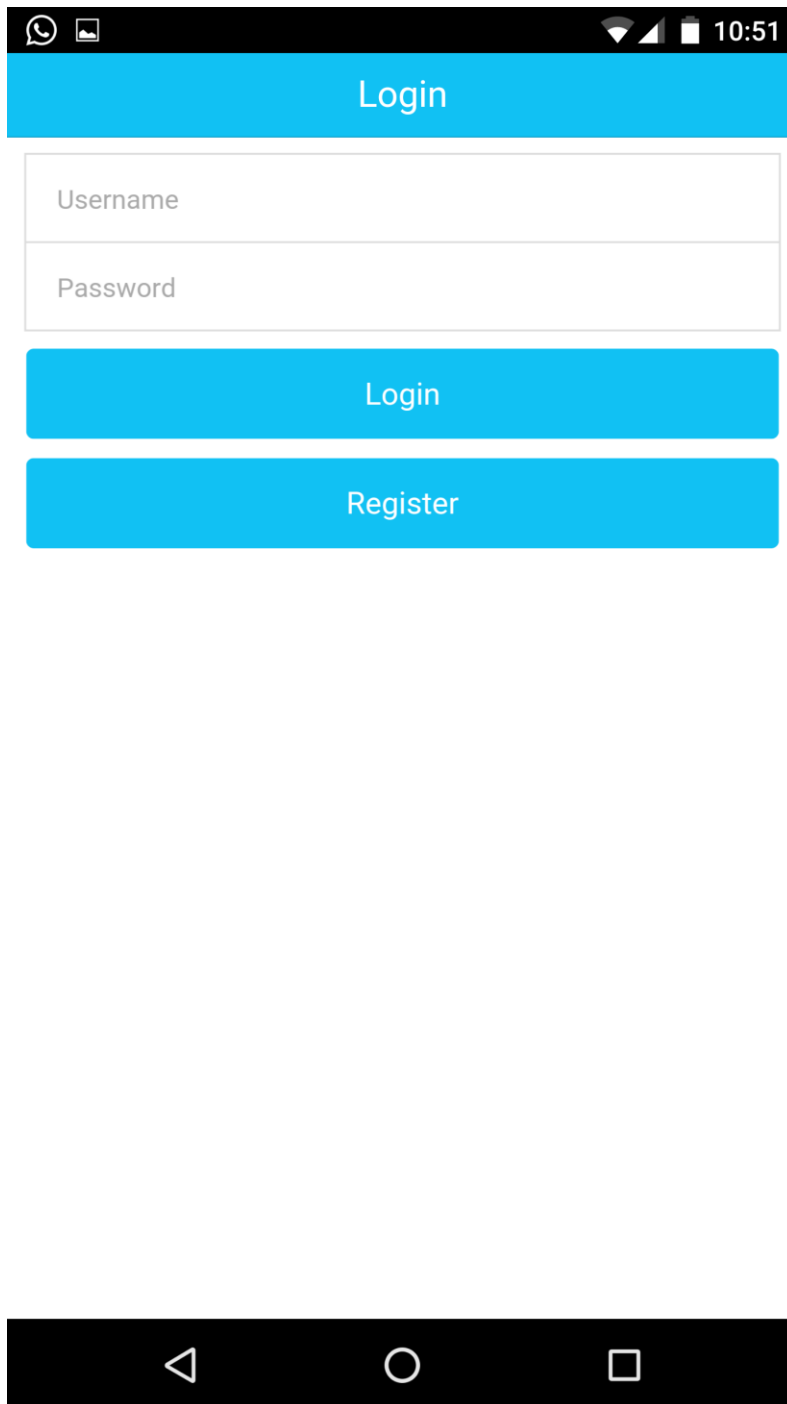
ASE LAB9



2. Splash Screen 2



3. Login Screen



A mobile application login screen mockup. At the top is a black status bar with icons for WhatsApp, a gallery, signal strength, battery, and the time 10:51. Below this is a bright blue header bar with the word "Login" in white. The main content area is white and contains two stacked input fields with light gray borders and placeholder text "Username" and "Password". Below the input fields are two stacked blue buttons with white text: "Login" and "Register". At the bottom is a black navigation bar with three white icons: a back arrow, a circle, and a square.

10:51

Login

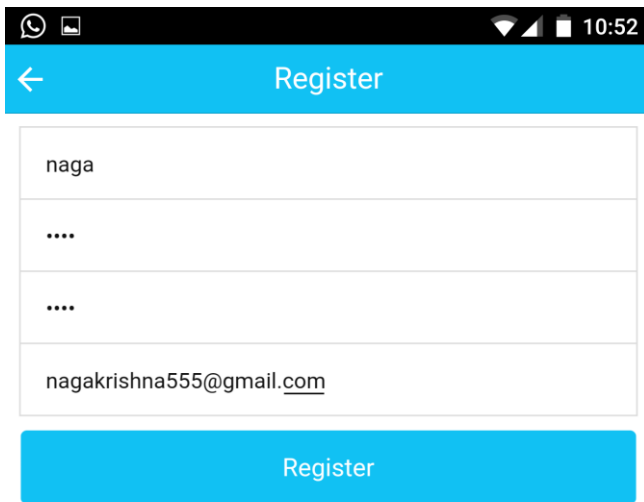
Username

Password

Login

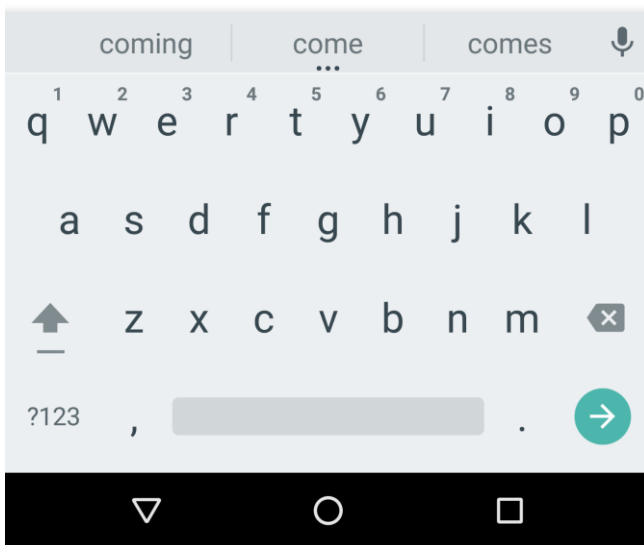
Register

4. Registration Screen

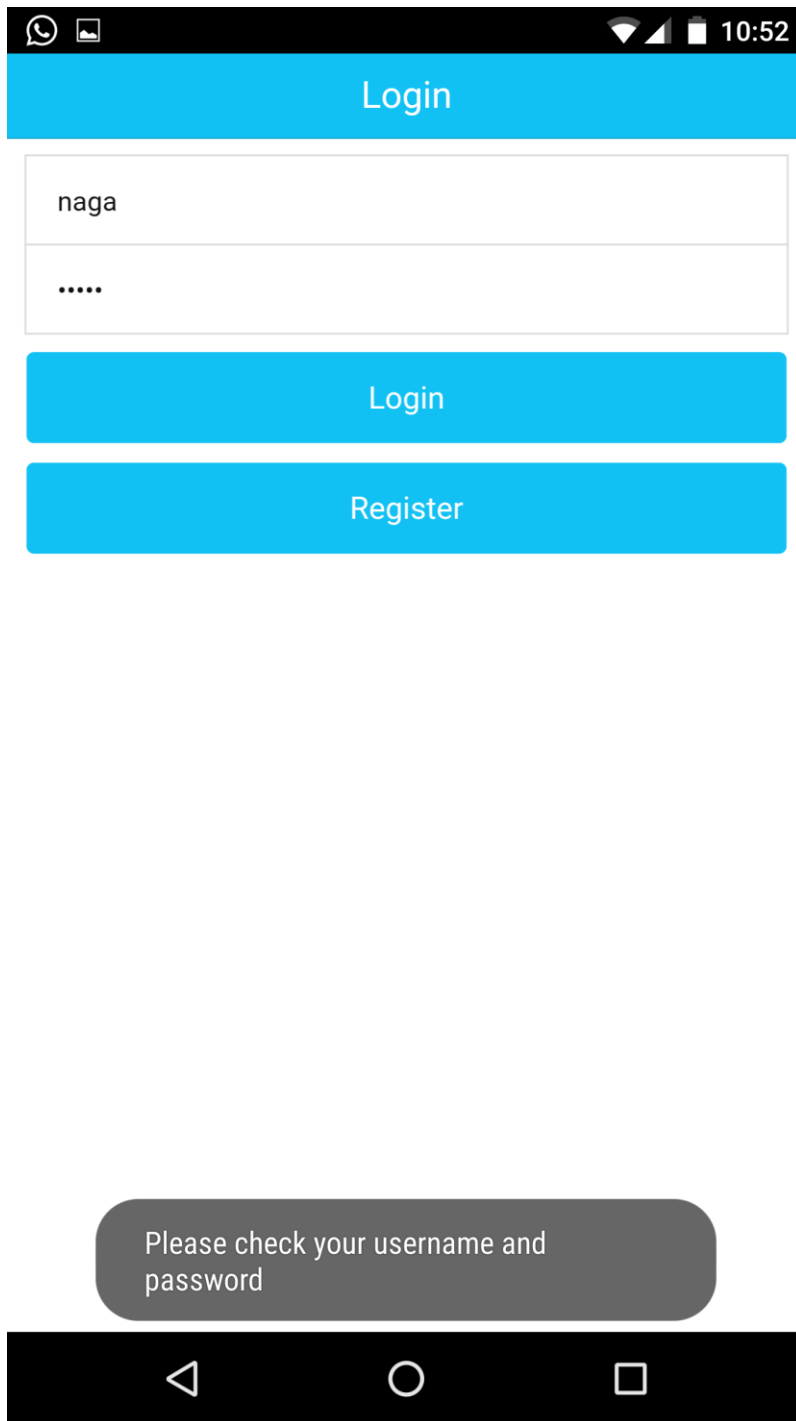


A mobile app registration screen. At the top is a black status bar with icons for WhatsApp, a camera, signal strength, and battery, along with the time 10:52. Below this is a blue header bar with a white back arrow on the left and the word "Register" in white text. The main area contains four white input fields with thin grey borders. The first field contains the text "naga". The second and third fields contain four dots "....". The fourth field contains the email address "nagakrishna555@gmail.com". Below the input fields is a solid blue button with the word "Register" in white text.

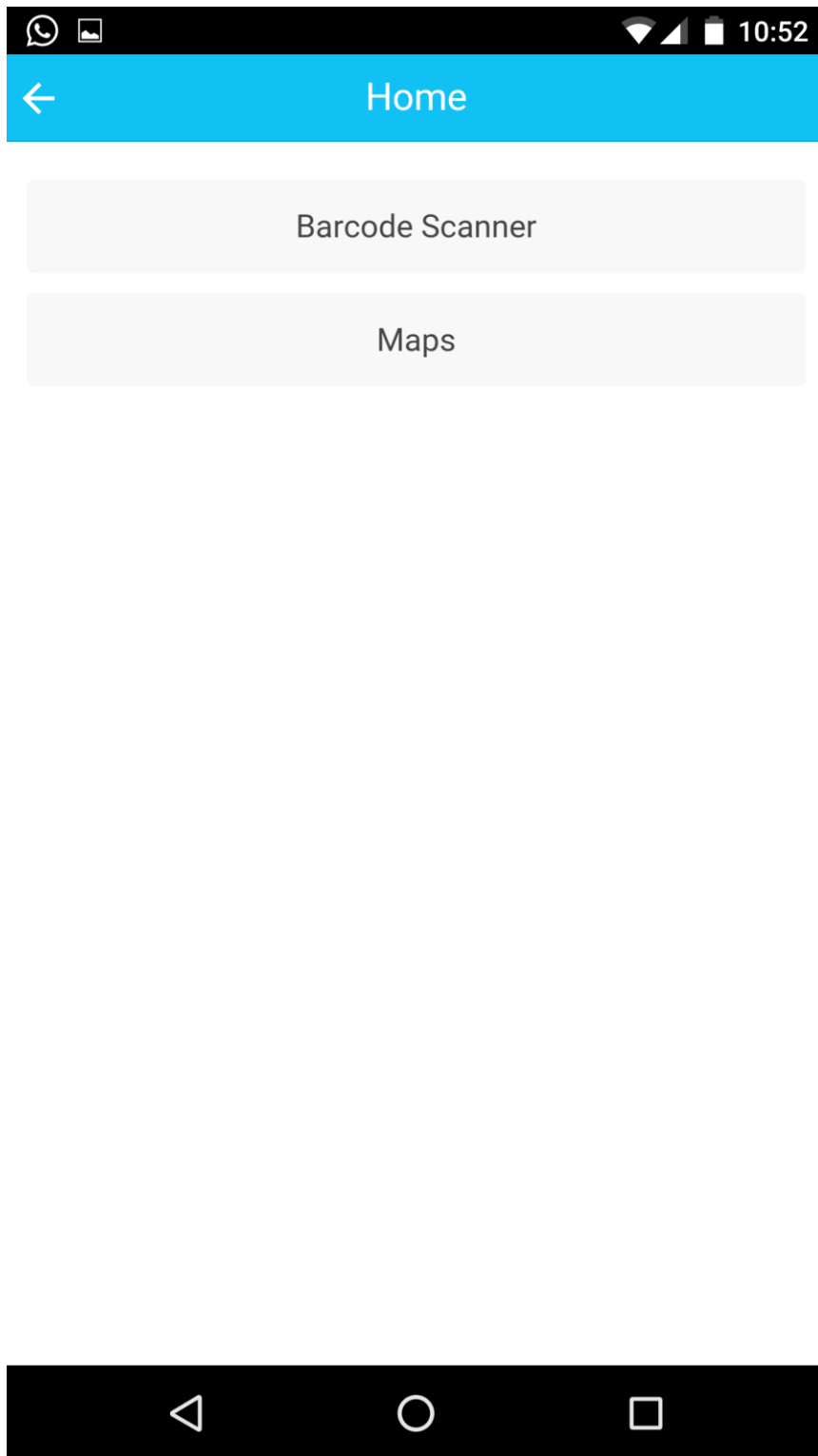
Register



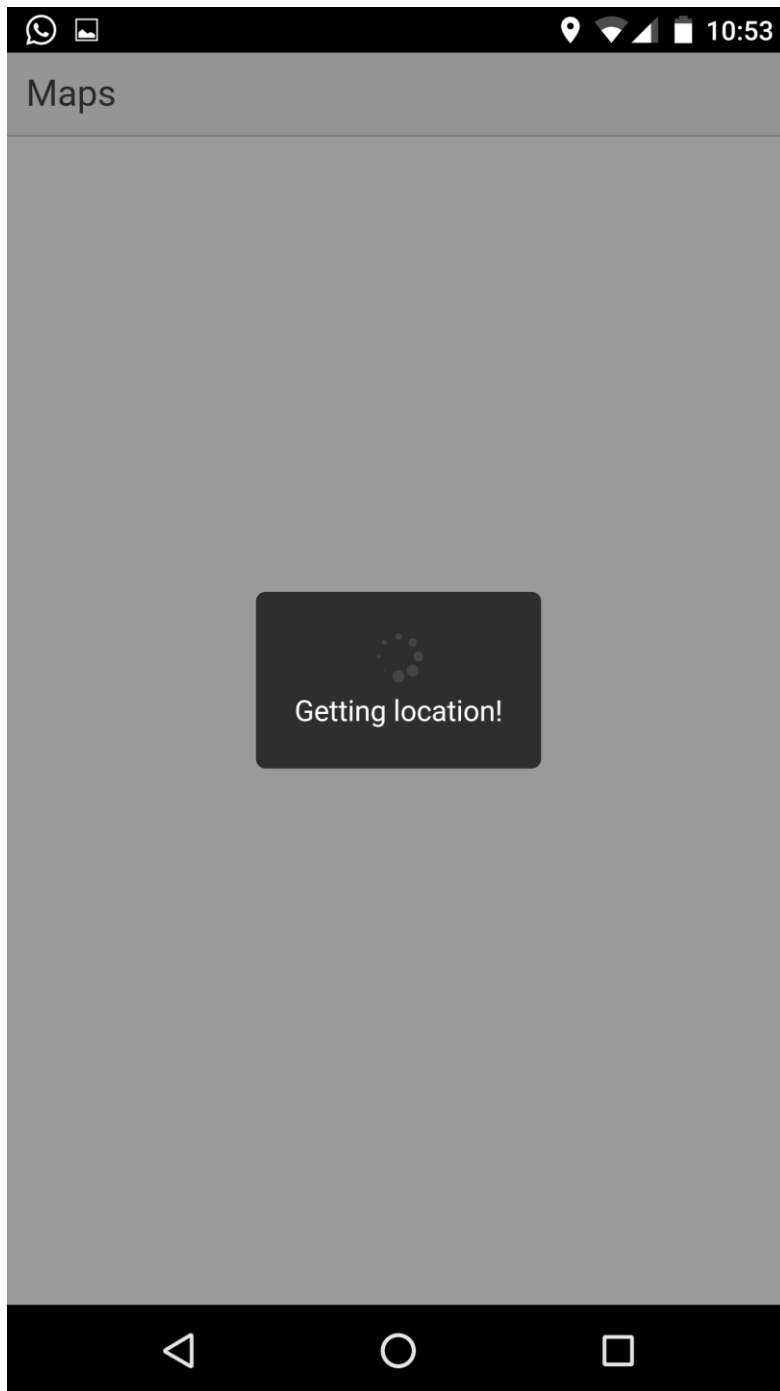
5. Toast text – On user entering incorrect username and password



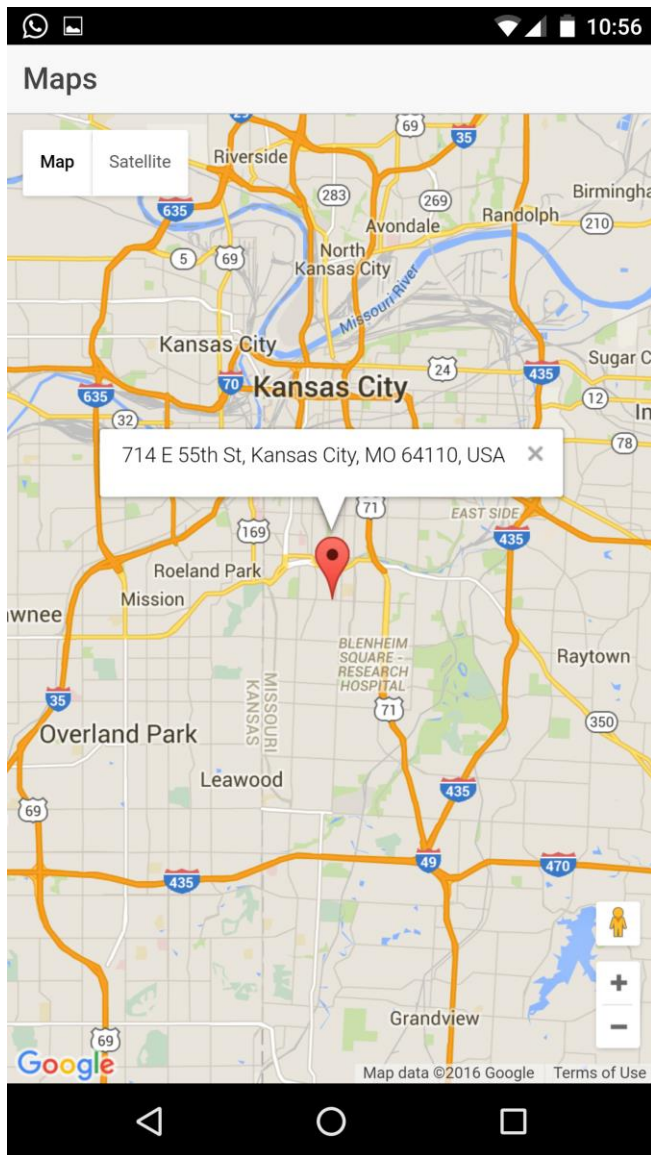
6. Home Screen



7. On clicking maps button



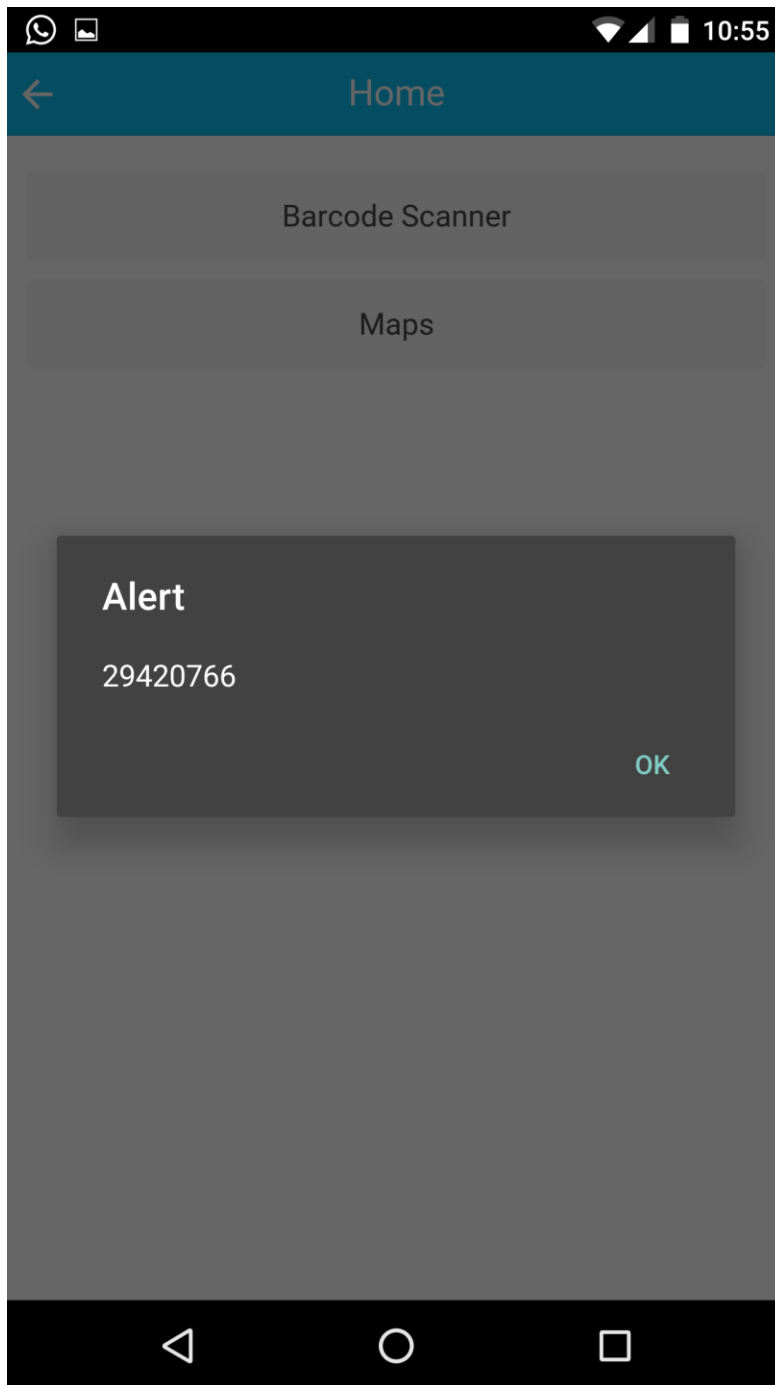
8. Displaying current location – with address



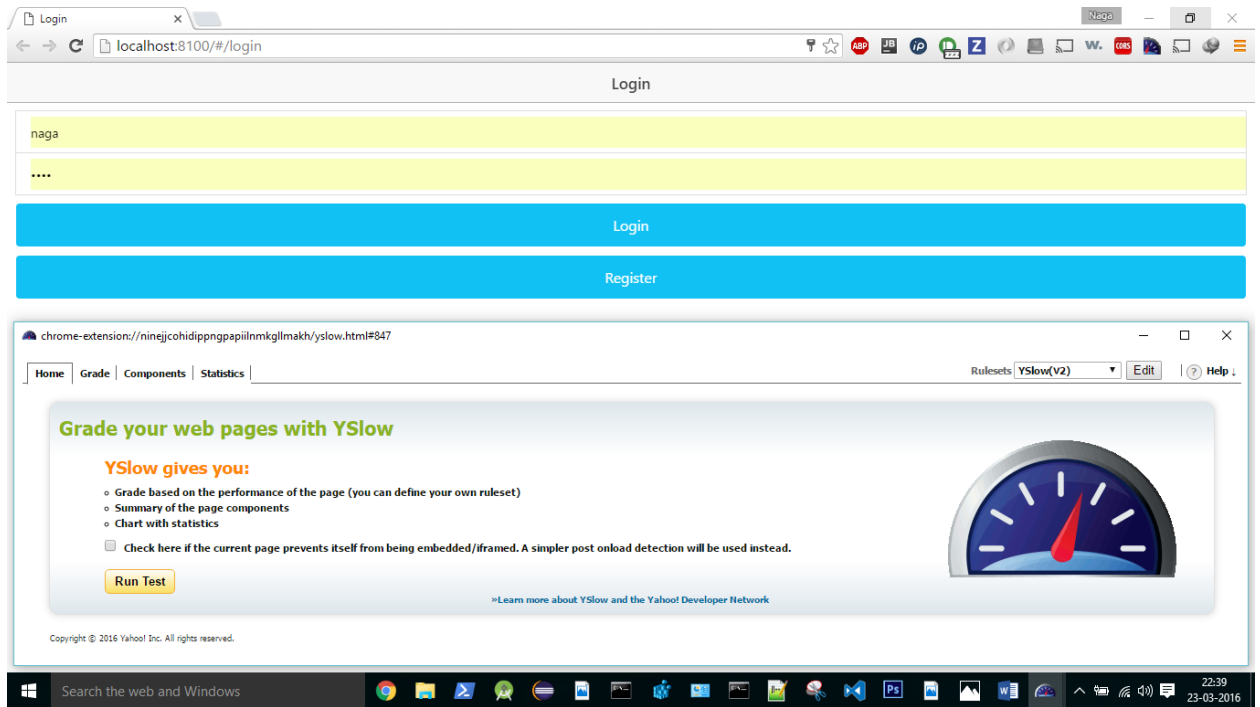
9. On clicking on Barcode scanner button



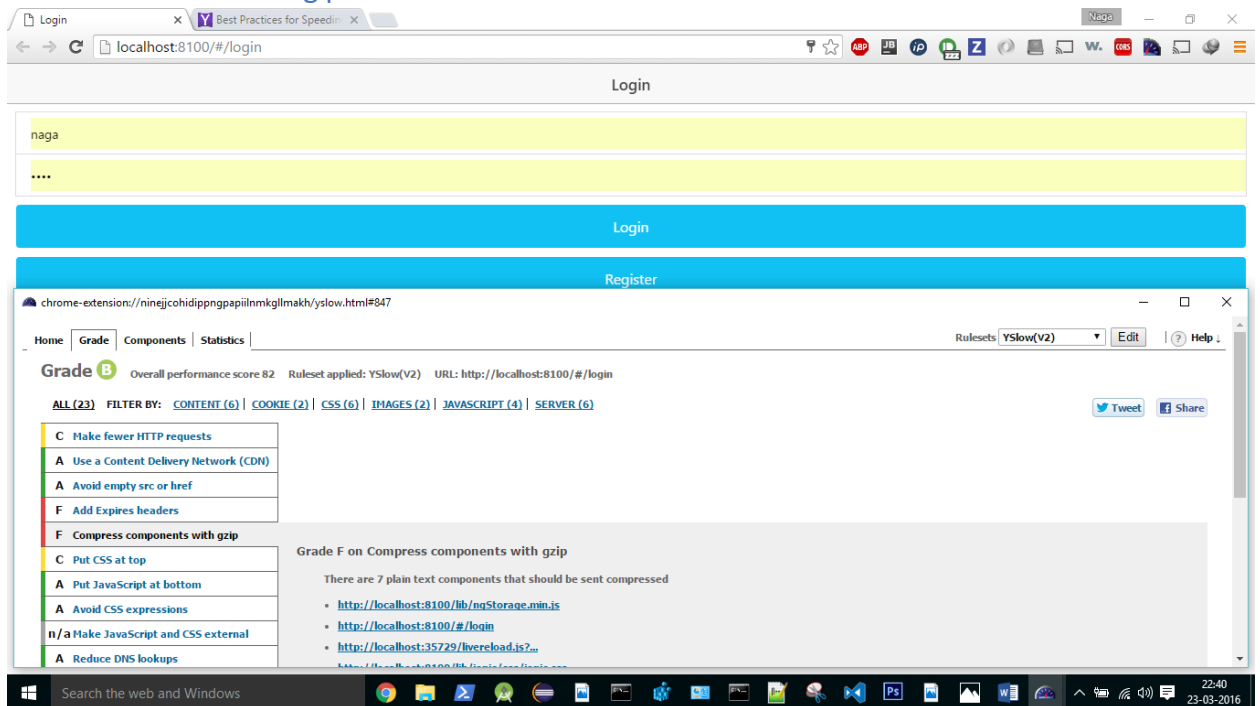
10. Result as dialog - After scanning barcode



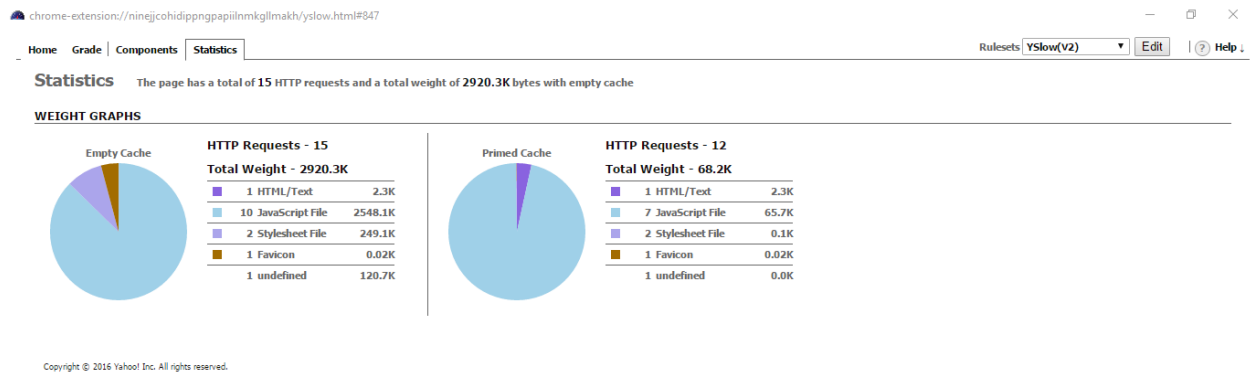
11. Yslow performance analyzation



12. Grade as B – on running performance test



13. Statistics



14. Components

chrome-extension://ninejcohidippngpapiilnmkgllmakh/yslow.html#847

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

Components The page has a total of 15 components and a total weight of 2920.3K bytes [Expand All](#)

| TYPE | SIZE (KB) | GZIP (KB) | COOKIE RECEIVED (bytes) | COOKIE SENT (bytes) | HEADERS | URL | EXPIRES (Y/M/D) | RESPONSE TIME (ms) | ETAG | ACTION |
|-----------------------------|-----------|-----------|-------------------------|---------------------|---------|-----|-----------------|--------------------|------|--------|
| doc (1) | 2.3K | | | | | | | | | |
| js (10) | 2778.5K | | | | | | | | | |
| css (2) | 249.1K | | | | | | | | | |
| favicon (1) | 0.02K | | | | | | | | | |
| font (1) | 120.7K | | | | | | | | | |

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

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Screenshot saved
The screenshot was added to your OneDrive.

15. Grades by categories

chrome-extension://ninejcohidppngpapiilnmkgllmakh/yslow.html#847

Home **Grade** Components Statistics

Rulesets **YSlow(v2)** Edit Help

Grade B Overall performance score 82 Ruleset applied: YSlow(v2) URL: http://localhost:8100/#/login

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

| | |
|---|---|
| C Make fewer HTTP requests | Grade F on Compress components with gzip <p>There are 7 plain text components that should be sent compressed</p> <ul style="list-style-type: none">http://localhost:8100/lib/ngStorage.min.jshttp://localhost:8100/#/loginhttp://localhost:35729/livereload.js?mhttp://localhost:8100/lib/ionic/css/ionic.csshttp://localhost:8100/js/ng-cordova.min.jshttp://localhost:8100/js/app.jshttp://localhost:8100/lib/ionic/js/ionic.bundle.js <p>Compression reduces response times by reducing the size of the HTTP response. Gzip is the most popular and effective compression method currently available and generally reduces the response size by about 70%. Approximately 90% of today's Internet traffic travels through browsers that claim to support gzip.</p> <p>Read More</p> <p>Copyright © 2016 Yahoo! Inc. All rights reserved.</p> |
| A Use a Content Delivery Network (CDN) | |
| A Avoid empty src or href | |
| F Add Expires headers | |
| F Compress components with gzip | |
| C Put CSS at top | |
| A Put JavaScript at bottom | |
| A Avoid CSS expressions | |
| n/a Make JavaScript and CSS external | |
| A Reduce DNS lookups | |
| B 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 | |
| B Use cookie-free domains | |
| A Avoid AlphaImageLoader filter | |
| A Do not scale images in HTML | |