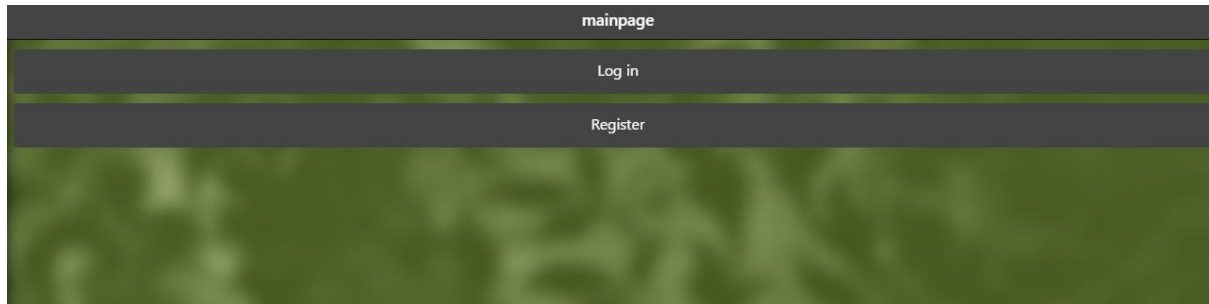
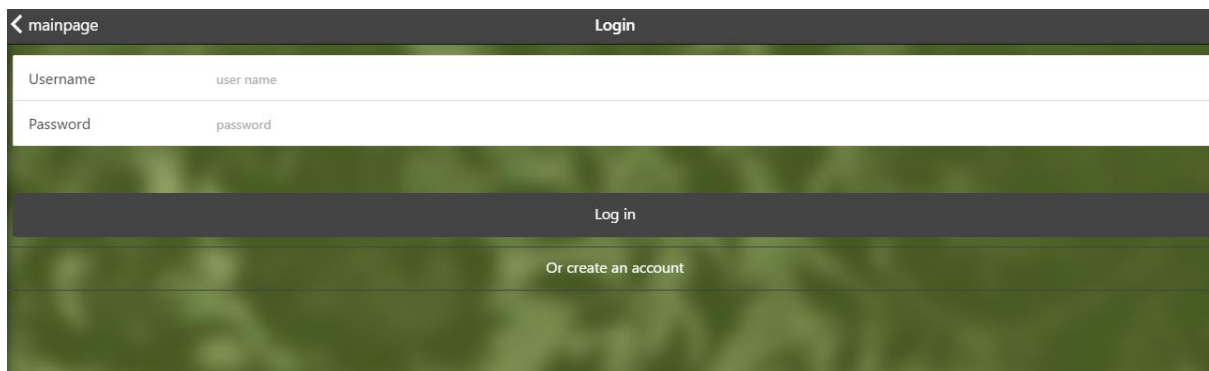


ASE LAB Assignment 7 Report

Web-Ionic main page screen shot:



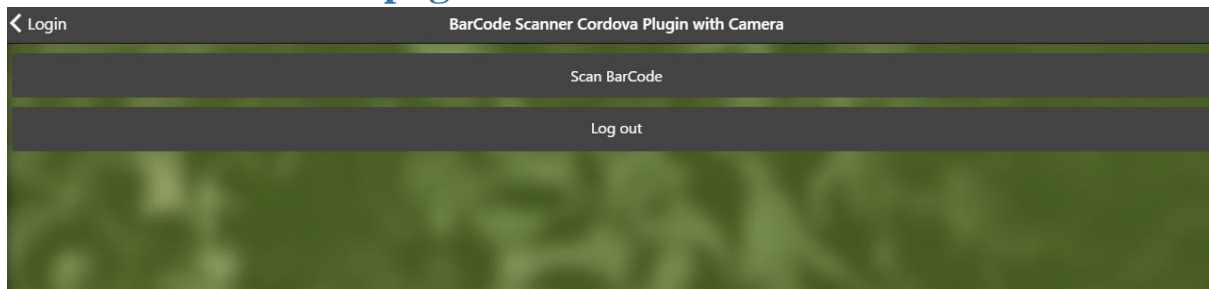
Web-Ionic Login page screen shot:



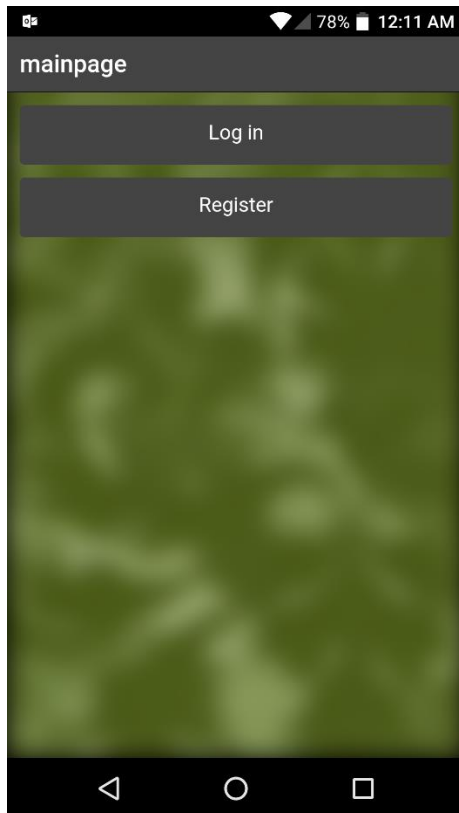
Web-Ionic Signup page screen shot:



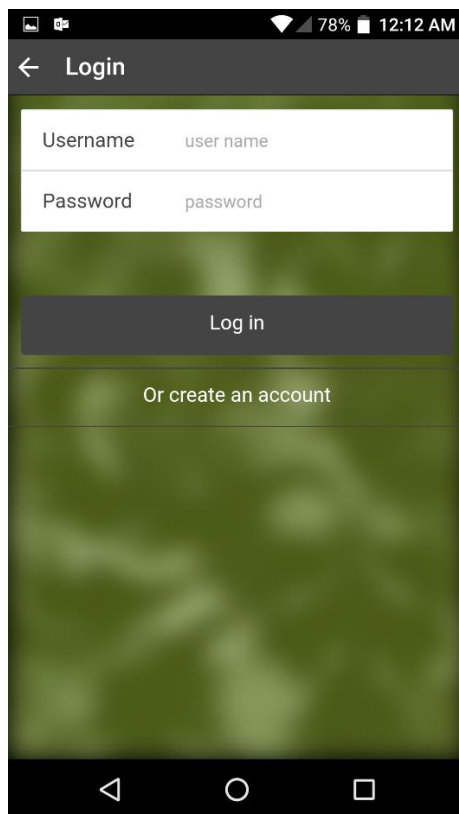
Web-Ionic BarCode page screen shot:



Ionic Mobile app Main page:



Ionic Mobile app Login Page screenshot:



A screenshot of the Ionic Mobile app's login page. The page has a dark green background with a white login form. The form contains two input fields: 'Username' with the placeholder text 'user name' and 'Password' with the placeholder text 'password'. Below the form is a dark green button labeled 'Log in'. Underneath the button is a link that says 'Or create an account'. The top of the screen shows a status bar with a back arrow, the title 'Login', and system icons for signal, Wi-Fi, 78% battery, and 12:12 AM. The bottom of the screen shows the Android navigation bar with back, home, and recent apps buttons.

← Login

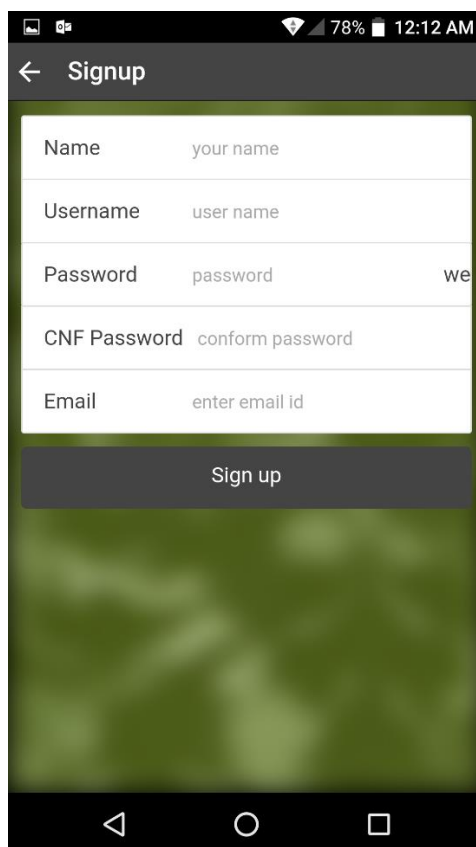
Username user name

Password password

Log in

Or create an account

Ionic Sign up Mobile App screenshot:



A screenshot of the Ionic Mobile app's sign-up page. The page has a dark green background with a white sign-up form. The form contains five input fields: 'Name' with the placeholder text 'your name', 'Username' with the placeholder text 'user name', 'Password' with the placeholder text 'password' and a small 'we' icon to its right, 'CNF Password' with the placeholder text 'conform password', and 'Email' with the placeholder text 'enter email id'. Below the form is a dark green button labeled 'Sign up'. The top of the screen shows a status bar with a back arrow, the title 'Signup', and system icons for signal, Wi-Fi, 78% battery, and 12:12 AM. The bottom of the screen shows the Android navigation bar with back, home, and recent apps buttons.

← Signup

Name your name

Username user name

Password password we

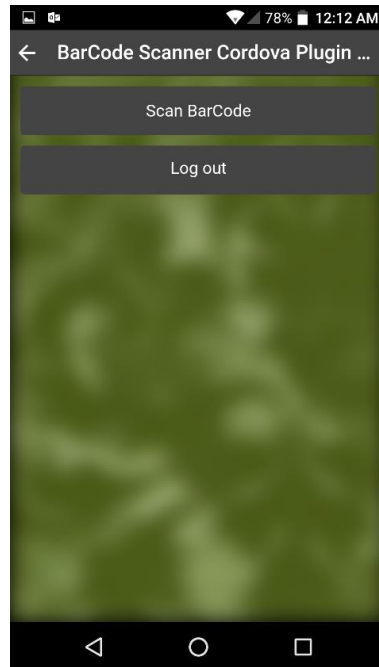
CNF Password conform password

Email enter email id

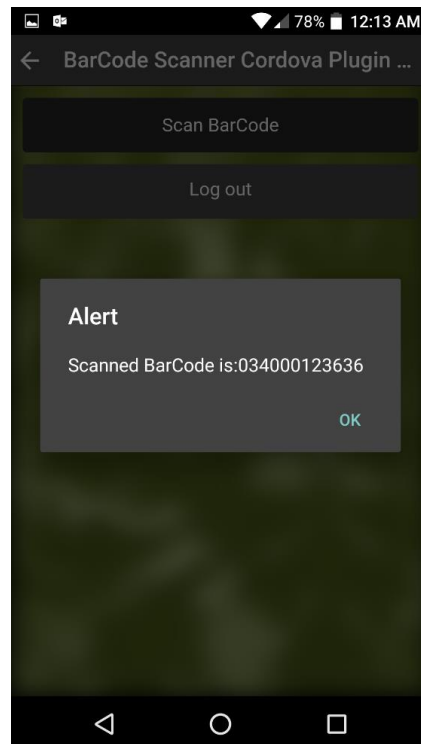
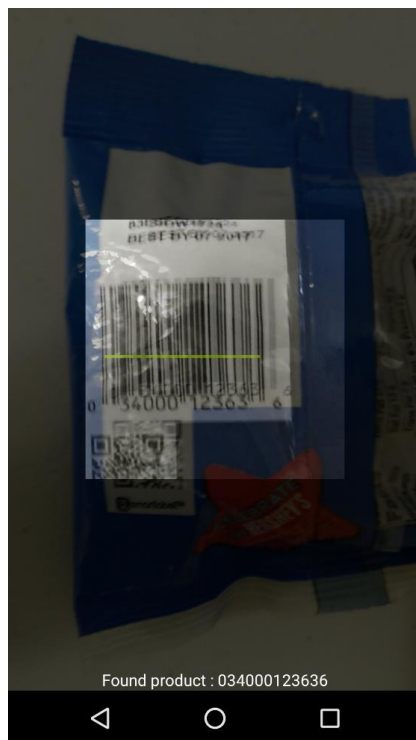
Sign up

Ionic Mobile app home page:

on clicking Scan Barcode camera will turn on reads the barcode in view finder.

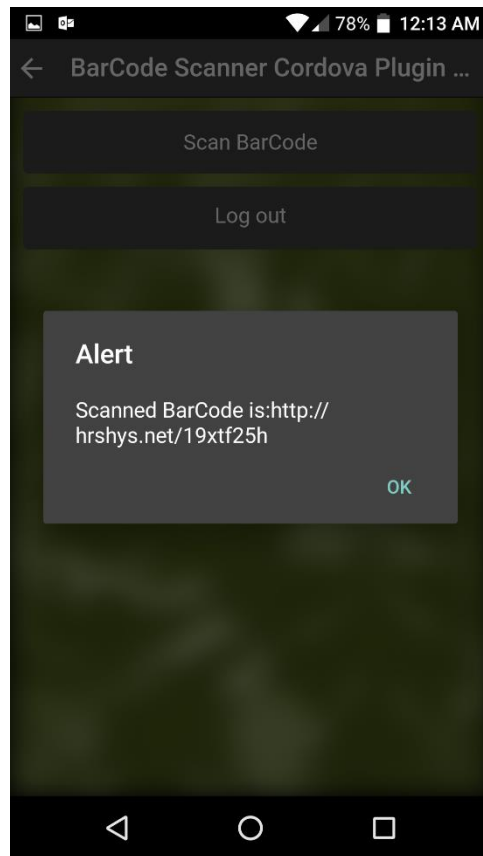


Ionic Screen shots of barcode scanner scanning a barcode:



Ionic Screen shots of barcode scanner scanning a QRCode:

All the readable formats of the bar code are listed at the end of the document and barcode scanner plugin details are also listed.



Karma Unit Testing Screenshots are attached: controller which is tested on karma is given below.

=====

```
lab7.controller('PasswordController', function PasswordController($scope) {  
    $scope.password = "";  
    $scope.grade = function() {  
        var size = $scope.password.length;  
        if (size > 8) {  
            $scope.strength = 'strong';  
        } else if (size > 3) {  
            $scope.strength = 'medium';  
        } else {
```

```
$scope.strength = 'weak';

}

console.log("password length::" +size + " Strength:" + $scope.strength);

};

})
```

```
E:\ionic\testtest\karma start my.conf.js
11 10 2016 16:36:38.002:WARN [watcher]: Pattern "E:\ionic\testtest\**\js" does not match any file.
11 10 2016 16:36:38.009:WARN [watcher]: Pattern "E:\ionic\testtest\js\*.js" does not match any file.
11 10 2016 16:36:38.064:WARN [karma]: No captured browser, open http://localhost:9876/
11 10 2016 16:36:38.082:INFO [karma]: Karma v1.3.0 server started at http://localhost:9876/
11 10 2016 16:36:38.083:INFO [launcher]: Launching browser PhantomJS with unlimited concurrency
11 10 2016 16:36:38.096:INFO [launcher]: Starting browser PhantomJS
11 10 2016 16:36:41.961:INFO [PhantomJS 2.1.1 (Windows 8 0.0.0)]: Connected on socket /#Qis5zu2mxDxOt8nZAAAA with id 89076644
PhantomJS 2.1.1 (Windows 8 0.0.0) LOG: 'WARNING: Tried to load angular more than once.'
PhantomJS 2.1.1 (Windows 8 0.0.0) LOG: 'WARNING: Tried to load angular more than once.'
PhantomJS 2.1.1 (Windows 8 0.0.0) myController fullName sets the strength to "strong" if the password length is >= 8 chars FAILED
Expected 'weak' to equal 'strong'.
www/tests/todo-test.js:13:26
loaded@http://localhost:9876/context.js:151:17
Expected 'weak' to equal 'medium'.
www/tests/todo-test.js:14:26
loaded@http://localhost:9876/context.js:151:17
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 1 of 1 (1 FAILED) ERROR (0.009 secs / 0.055 secs)
```

Yslow Performance Testing Details are attached below:

chrome-extension://ninejcohidppngpapiilmkgllmkh/yslow.html#111

HomeGradeComponentsStatistics

RulesetsYSlow(V2)EditHelp

Components

The page has a total of 13 components and a total weight of 2790.2K bytes

Expand All

| TYPE | SIZE (KB) | GZIP (KB) | COOKIE RECEIVED (bytes) | COOKIE SENT (bytes) | HEADERS | URL | EXPIRES (Y/H/D) | RESPONSE TIME (ms) | ETAG | ACTION |
|---------------------------------------|-----------|-----------|-------------------------|---------------------|---------|---|-----------------|--------------------|------------------------|--------|
| <input type="checkbox"/> doc (1) | 1.9K | | | | | | | | | |
| doc | 1.9K | | | | ρ | http://127.0.0.1:64905/www/index.html#/page5 | 2016/10/11 | 0 | "1978-1476065237000" | |
| <input type="checkbox"/> js (8) | 2394.7K | | | | | | | | | |
| <input type="checkbox"/> css (1) | 249.0K | | | | | | | | | |
| css | 249.0K | | | | ρ | http://127.0.0.1:64905/www/css/ionic.app.css | 2016/10/11 | 0 | "249084-1475076624000" | |
| <input type="checkbox"/> cssimage (1) | 144.3K | | | | | | | | | |
| cssimage | 144.3K | | | | ρ | http://127.0.0.1:64905/www/imgs/background_image.png | 2016/10/11 | 0 | "144365-1476122211000" | |
| <input type="checkbox"/> favicon (1) | 0.02K | | | | | | | | | |
| font | 0.0K | | | | | | | | | |
| font | 0.0K | | | | | http://127.0.0.1:64905/www/css/_/lib/ionic/fonts/ionicicons.eot?_ | no expires | 0 | | |

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

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ENG

04:54 PM
11-10-2016

chrome-extension://ninejcohidippngpapiilnmkgllmakh/yslow.html#111

Home **Grade** Components Statistics

Rulesets: YSlow(V2) Edit Help

Grade Overall performance score 78 Ruleset applied: YSlow(V2) URL: http://127.0.0.1:64905/www/index.html#/page5

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

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

D 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

A Use cookie-free domains

A Avoid AlphaImageLoader filter

A Do not scale images in HTML

A Make favicon small and cacheable

Grade B on Make fewer HTTP requests

This page has 8 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](#)

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chrome-extension://ninejcohidippngpapiilnmkgllmakh/yslow.html#111

Home **Grade** Components **Statistics**

Statistics The page has a total of 13 HTTP requests and a total weight of 2790.2K bytes with empty cache

WEIGHT GRAPHS

Empty Cache

| HTTP Requests - 13 | | |
|------------------------|-----------------|---------|
| Total Weight - 2790.2K | | |
| 1 | HTML/Text | 1.9K |
| 8 | JavaScript File | 2394.7K |
| 1 | Stylesheet File | 249.0K |
| 1 | CSS Image | 144.3K |
| 1 | Favicon | 0.02K |
| 1 | undefined | 0.0K |

Primed Cache

| HTTP Requests - 13 | | |
|---------------------|-----------------|-------|
| Total Weight - 3.8K | | |
| 1 | HTML/Text | 0.0K |
| 8 | JavaScript File | 3.8K |
| 1 | Stylesheet File | 0.0K |
| 1 | CSS Image | 0.0K |
| 1 | Favicon | 0.02K |
| 1 | undefined | 0.0K |

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Cordova plugin details:

<http://ngcordova.com/docs/plugins/barcodeScanner/>

<https://www.thepolyglotdeveloper.com/2014/09/implement-barcode-scanner-using-ionic-framework/>

Readable code formats of barcode scanner are:

QR Code

Data Matrix

UPC E

UPC A

EAN 8

EAN 13

Code 128

Code 39