

CS551 Advanced Software Engineering

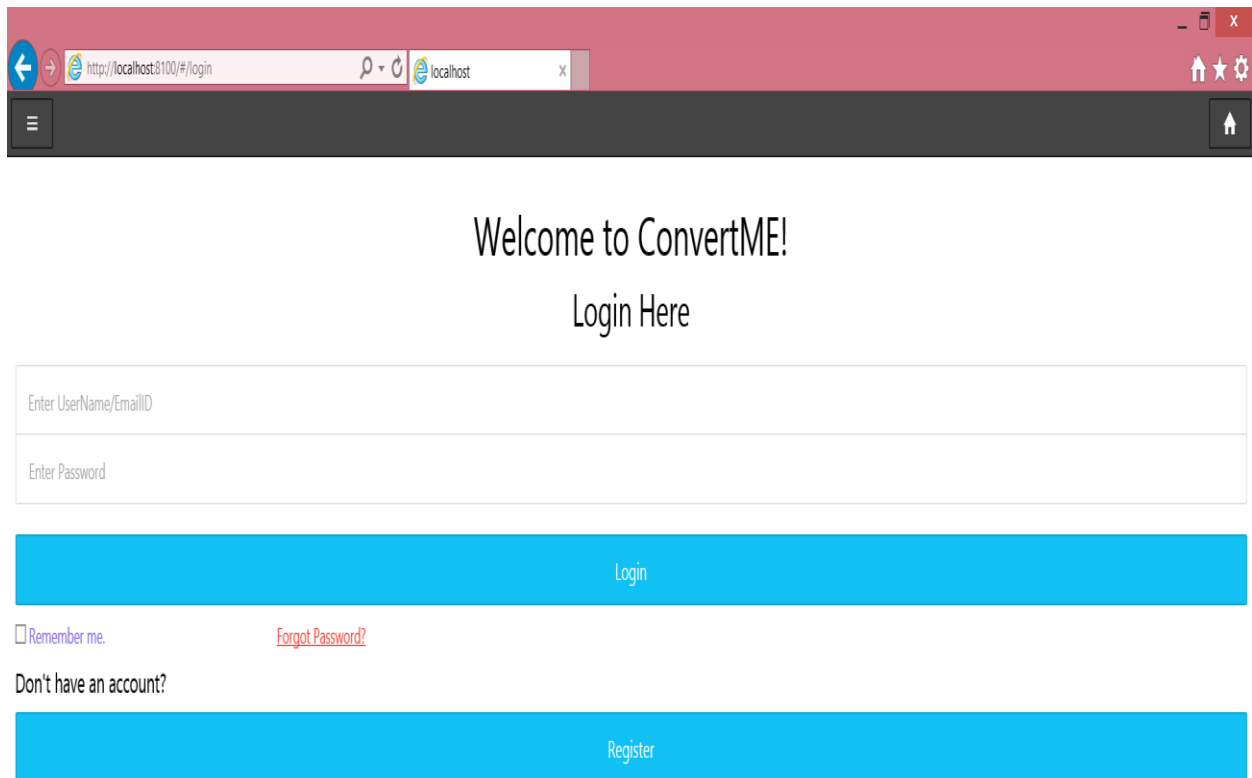
LAB ASSIGNMENT #5

I have created a hybrid application which runs both on web and mobile using ionic framework and it consists of 3 pages. First page is login page and it has 2 buttons Login and Register and others fields which are required for any login page. Second page is Registration page which has many text entry fields required for any user to enter and register with the application. 3rd page is home page which consists of mashup of two web services. For this application I have used Units API and Alchemy API for creating mashup.

Ionic application in web browser:

Below is the login page which has two buttons, Login and Register. If user is already registered with the application and has login credentials then he/she can give those and can login successfully. If user does not remember his/her password, they can use Forgot password and can recover the password. If the user is new to the application he/she can register with the application by clicking on Register button.

Login page



Welcome to ConvertME!

Login Here

Enter UserName/EmailID

Enter Password

Login

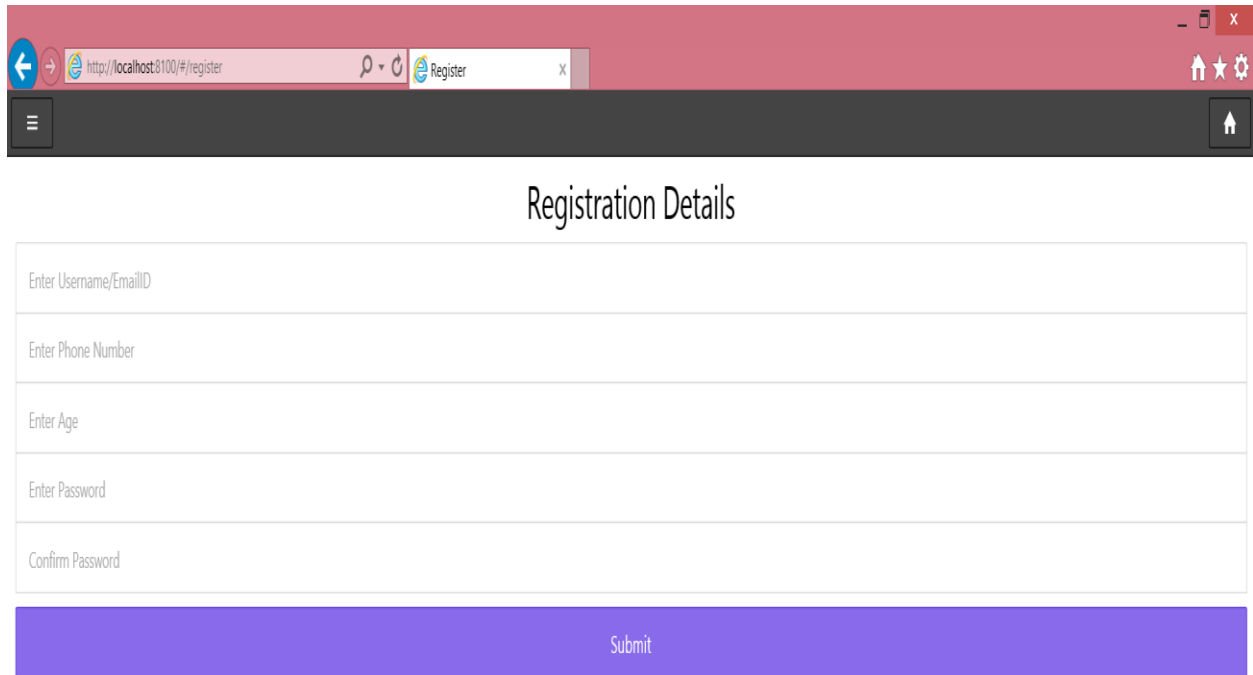
☐ Remember me. [Forgot Password?](#)

[Don't have an account?](#)

Register

Registration Page

Below is the Registration page which has many text entry fields. If user is new and wants to register with the application, he/she can fill the necessary details and can register.



Registration Details

Enter Username/EmailID

Enter Phone Number

Enter Age

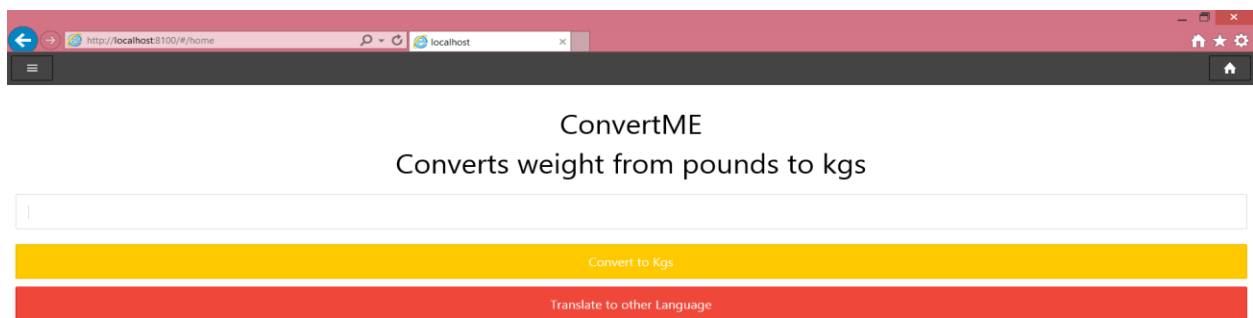
Enter Password

Confirm Password

Submit

Home Page

Below is the home page which is a mashup of two API's. By using this user can convert the weight from pounds to Kgs and also can view the result in other language.



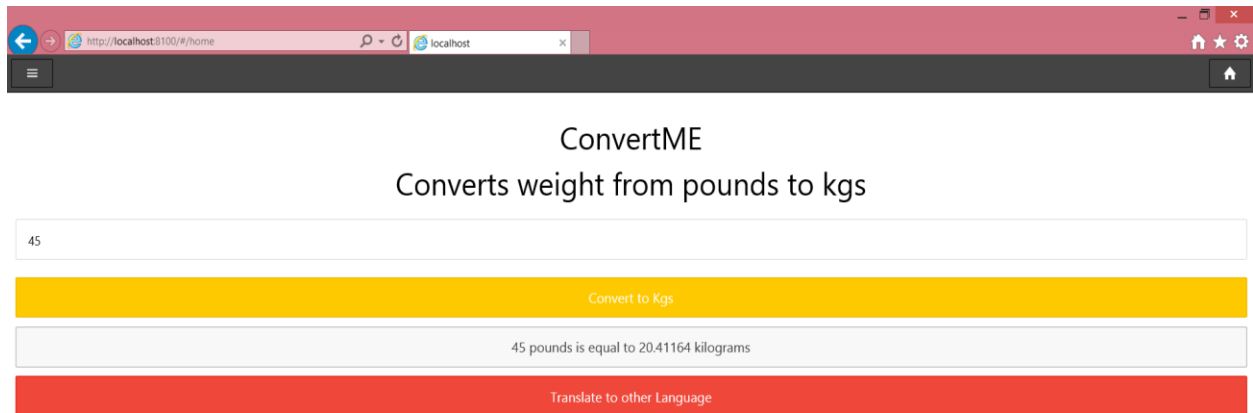
ConvertME

Converts weight from pounds to kgs

Convert to Kgs

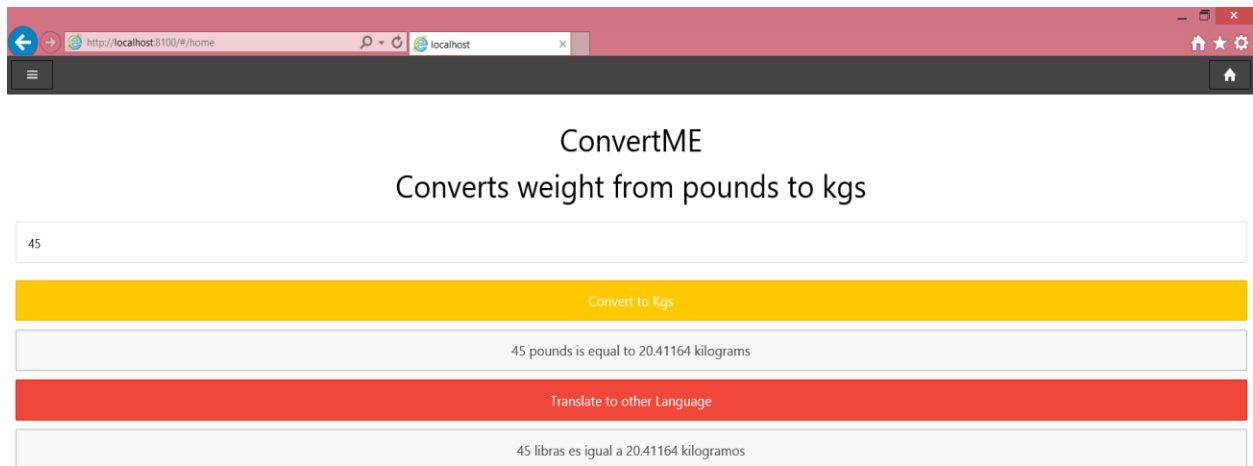
Translate to other Language

When user enters any value for conversion and clicks on 'Convert to kgs' button the application will display the conversion as below.



The screenshot shows a web browser window with the URL `http://localhost:8100/#/home`. The application title is "ConvertME" and the subtitle is "Converts weight from pounds to kgs". A text input field contains the value "45". Below the input field is a yellow button labeled "Convert to Kgs". Below the button is a light gray box displaying the result: "45 pounds is equal to 20.41164 kilograms". At the bottom is a red button labeled "Translate to other Language".

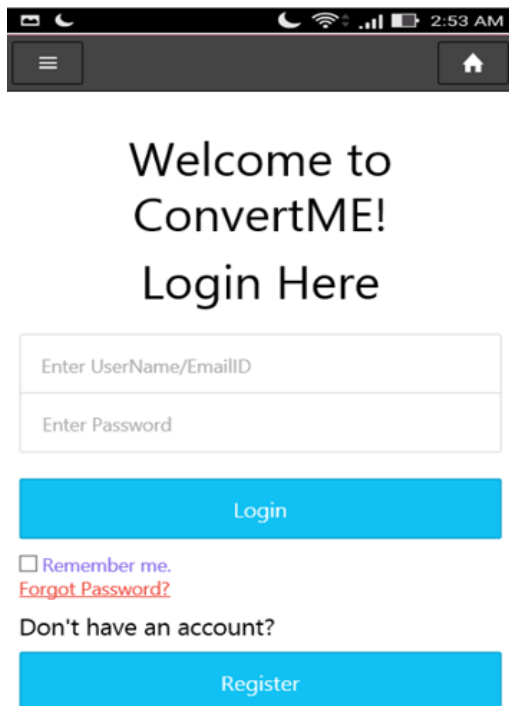
After the user has got the conversion result, when clicked on 'Translate to other language' button, the application will translate the result and displays in other language as below.



The screenshot shows the same web browser window as before. The application title and subtitle remain the same. The text input field still contains "45". The yellow "Convert to Kgs" button is still present. The light gray box now displays the translated result: "45 libras es igual a 20.41164 kilogramos". The red "Translate to other Language" button is still at the bottom.

Mobile Application screen shots

Login page



A screenshot of a mobile application's login page. At the top is a dark status bar with icons for signal, Wi-Fi, and battery, and the time 2:53 AM. Below this is a dark navigation bar with a hamburger menu icon on the left and a home icon on the right. The main content area is white and features the text "Welcome to ConvertME! Login Here" in a large, black, sans-serif font. Below the text are two white input fields with light gray placeholder text: "Enter UserName/EmailID" and "Enter Password". A bright blue button with the text "Login" is positioned below the password field. Underneath the button are two links: a blue link "Remember me." and a red link "Forgot Password?". Below these links is the text "Don't have an account?" followed by another bright blue button with the text "Register".

Welcome to
ConvertME!
Login Here

Enter UserName/EmailID

Enter Password

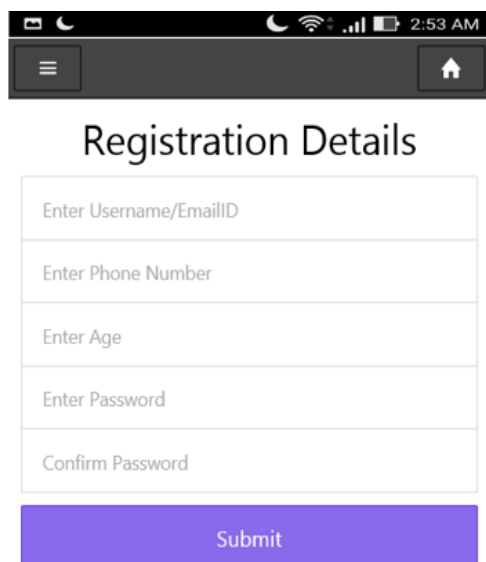
Login

☐ Remember me.
[Forgot Password?](#)

Don't have an account?

Register

Registration Page



A screenshot of a mobile application's registration page. It features the same dark status bar and navigation bar as the login page. The main content area is white and displays the text "Registration Details" in a large, black, sans-serif font. Below this text are five white input fields with light gray placeholder text: "Enter Username/EmailID", "Enter Phone Number", "Enter Age", "Enter Password", and "Confirm Password". A purple button with the text "Submit" is located at the bottom of the form.

Registration Details

Enter Username/EmailID

Enter Phone Number

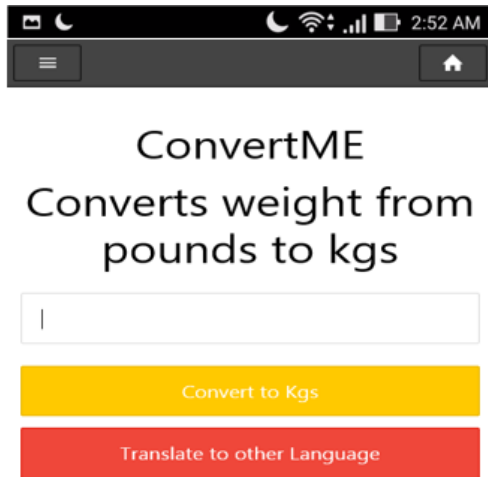
Enter Age

Enter Password

Confirm Password

Submit

Home Page

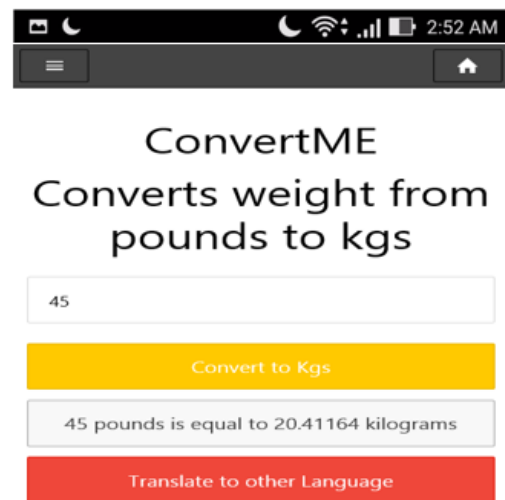


ConvertME
Converts weight from
pounds to kgs

Convert to Kgs

Translate to other Language

This screenshot shows the mobile app's home page. At the top is a status bar with icons for signal, Wi-Fi, and battery, and the time 2:52 AM. Below the status bar is a dark navigation bar with a hamburger menu icon on the left and a home icon on the right. The main content area has the title 'ConvertME' and subtitle 'Converts weight from pounds to kgs'. There is an empty text input field, a yellow button labeled 'Convert to Kgs', and a red button labeled 'Translate to other Language'.



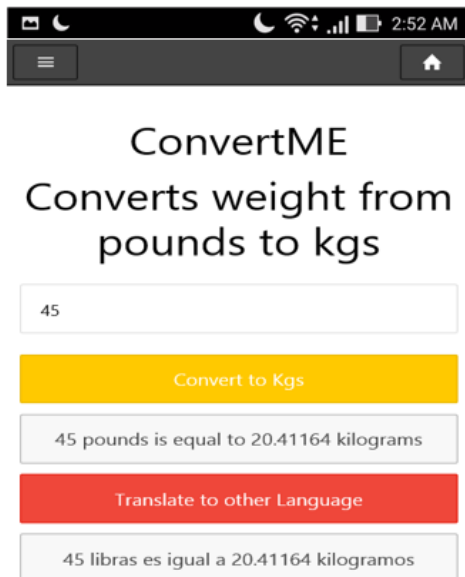
ConvertME
Converts weight from
pounds to kgs

Convert to Kgs

45 pounds is equal to 20.41164 kilograms

Translate to other Language

This screenshot shows the mobile app's home page with the input field containing the number '45'. The yellow 'Convert to Kgs' button is now active. Below it, a light gray box displays the result: '45 pounds is equal to 20.41164 kilograms'. The red 'Translate to other Language' button remains at the bottom.



ConvertME
Converts weight from
pounds to kgs

Convert to Kgs

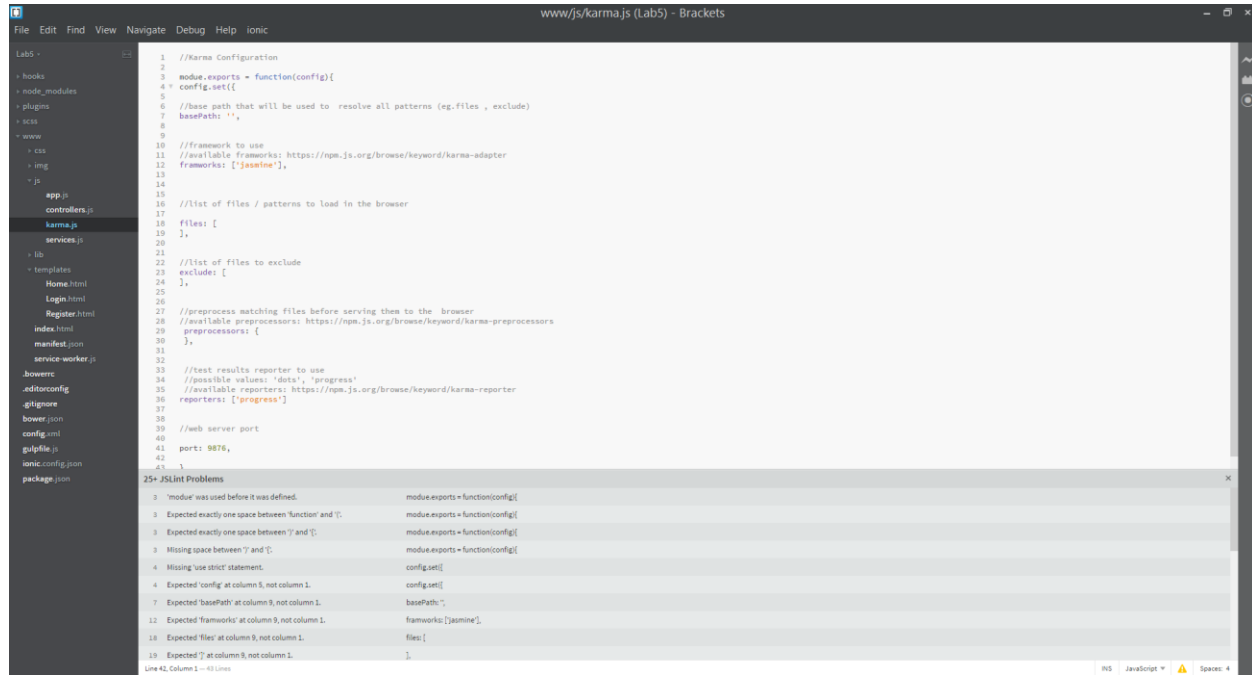
45 pounds is equal to 20.41164 kilograms

Translate to other Language

45 libras es igual a 20.41164 kilogramos

This screenshot shows the mobile app's home page with the input field containing '45'. The yellow 'Convert to Kgs' button is active. Below it, a light gray box shows the result in English: '45 pounds is equal to 20.41164 kilograms'. The red 'Translate to other Language' button is active. Below that, another light gray box shows the translated result in Spanish: '45 libras es igual a 20.41164 kilogramos'.

Karma output:



The screenshot shows the Brackets editor interface with the file `www/js/karma.js (Lab5)` open. The left sidebar displays a file tree with folders like `hooks`, `node_modules`, `plugins`, `scss`, `www`, and `js`. The main editor area contains the `karma.js` configuration file. The code defines a `function(config){}` and sets various options including `basePath`, `frameworks` (with `'jasmine'`), `files`, `exclude`, `preprocessors`, and `reporters`. The `port` is set to `9876`. Below the code, a `JSLint Problems` panel lists 10 errors, such as "module was used before it was defined" and "Expected exactly one space between 'function' and '{'".

```
1 //Karma Configuration
2
3 module.exports = function(config){
4   config.set({
5
6     //base path that will be used to resolve all patterns (eg.files , exclude)
7     basePath: '',
8
9     //framework to use
10    //available frameworks: https://npm.js.org/browse/keyword/karma-adapter
11    frameworks: ['jasmine'],
12
13    //list of files / patterns to load in the browser
14    files: [
15    ],
16    //list of files to exclude
17    exclude: [
18    ],
19    //preprocess matching files before serving them to the browser
20    //available preprocessors: https://npm.js.org/browse/keyword/karma-preprocessors
21    preprocessors: {
22    },
23    //test results reporter to use
24    //possible values: 'dots', 'progress'
25    //available reporters: https://npm.js.org/browse/keyword/karma-reporter
26    reporters: ['progress']
27
28    //web server port
29    port: 9876,
30  });
31}
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
```

25 JSLint Problems

Line	Column	Problem	Code
3	1	'module' was used before it was defined.	module.exports = function(config){
3	1	Expected exactly one space between 'function' and '{'.	module.exports = function(config){
3	1	Expected exactly one space between '}' and '{'.	module.exports = function(config){
3	1	Missing space between '}' and '{'.	module.exports = function(config){
4	1	Missing 'use strict' statement.	config.set({
4	1	Expected 'config' at column 5, not column 1.	config.set({
7	1	Expected 'basePath' at column 9, not column 1.	basePath: '',
12	1	Expected 'frameworks' at column 9, not column 1.	frameworks: ['jasmine'],
18	1	Expected 'files' at column 9, not column 1.	files: [
19	1	Expected '}' at column 5, not column 1.];

Line 42, Column 1 - 43 Lines

