

Lab Assignment IV

Report

Web Application Name: Login and Registration using Local Storage.

Application Function: It has a sign in form and register pages. A new user can register in the register page. These values are stored in local storage. The users can login at login page where if correct username and password are entered and checked in local storage will be redirected to a welcome page where the users can either logout or go to Google Maps and Weather Page. When directed to Google Maps and Weather Page, the user can enter the Starting and Ending Locations and a Route with Directions are shown on the map and the Weather of the Locations is also shown.

Tools Used:

Webstorm 11.0.3

API's Used:

Google Maps API

Yahoo Weather API

Number of Web Pages: 4

A Login Page

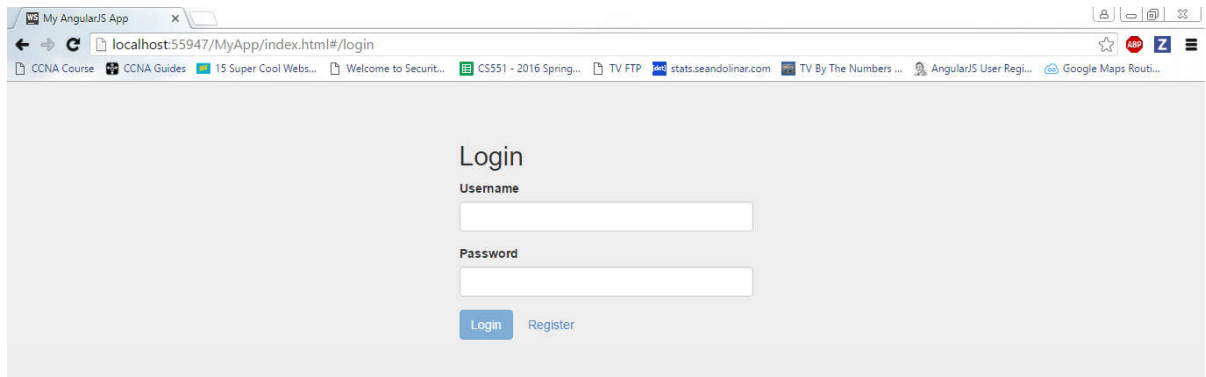
A Register Page

A Welcome Page

A Maps & Weather Page

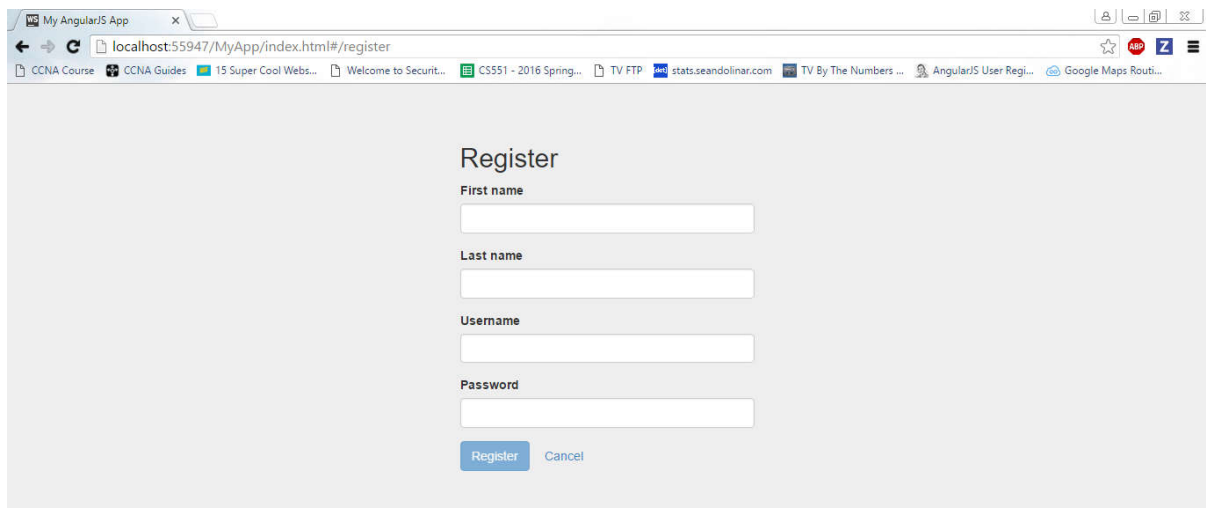
Working:

1. Initially when the web application is started. It is shown as below.



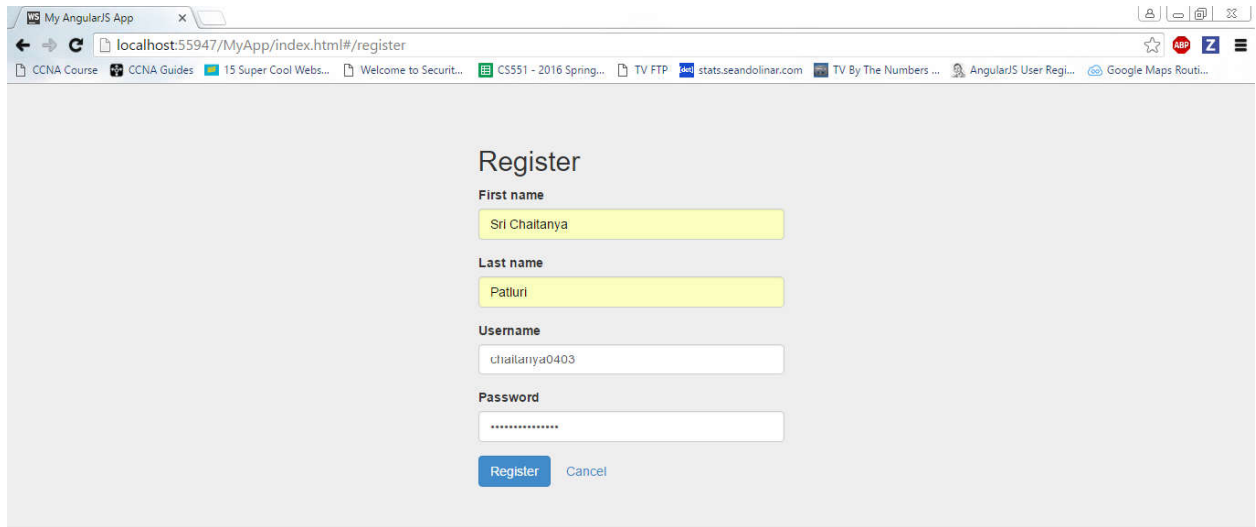
The screenshot shows a web browser window with the title 'My AngularJS App'. The address bar displays 'localhost:55947/MyApp/index.html#/login'. The page content is a login form with the heading 'Login'. It includes two input fields: 'Username' and 'Password'. Below the 'Password' field are two buttons: 'Login' and 'Register'.

-
2. When Clicked on Register, A Registration Page is Opened



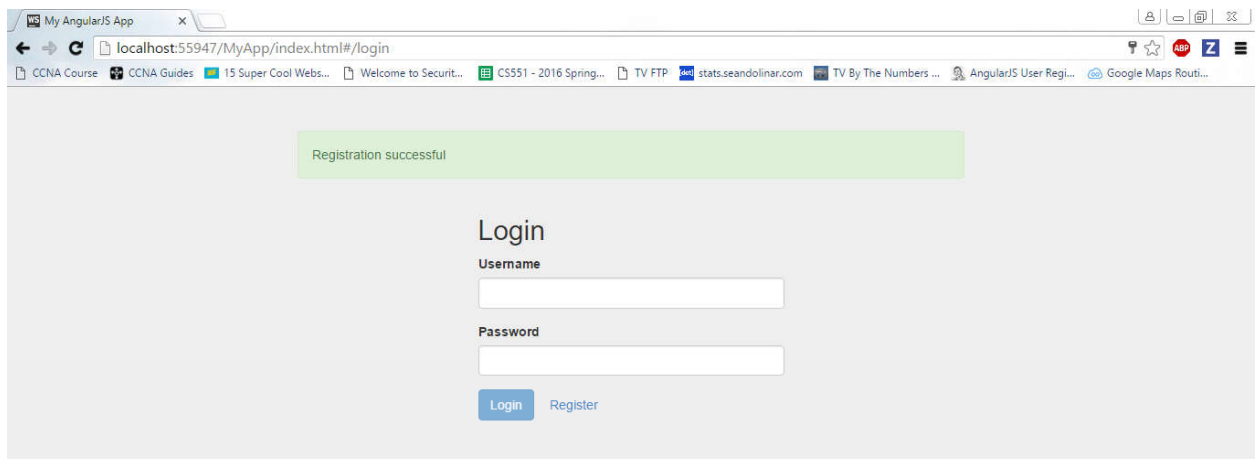
The screenshot shows a web browser window with the title 'My AngularJS App'. The address bar displays 'localhost:55947/MyApp/index.html#/register'. The page content is a registration form with the heading 'Register'. It includes four input fields: 'First name', 'Last name', 'Username', and 'Password'. Below the 'Password' field are two buttons: 'Register' and 'Cancel'.

- The User has to enter his/her details as below and click Register. Here the details are stored in local storage.



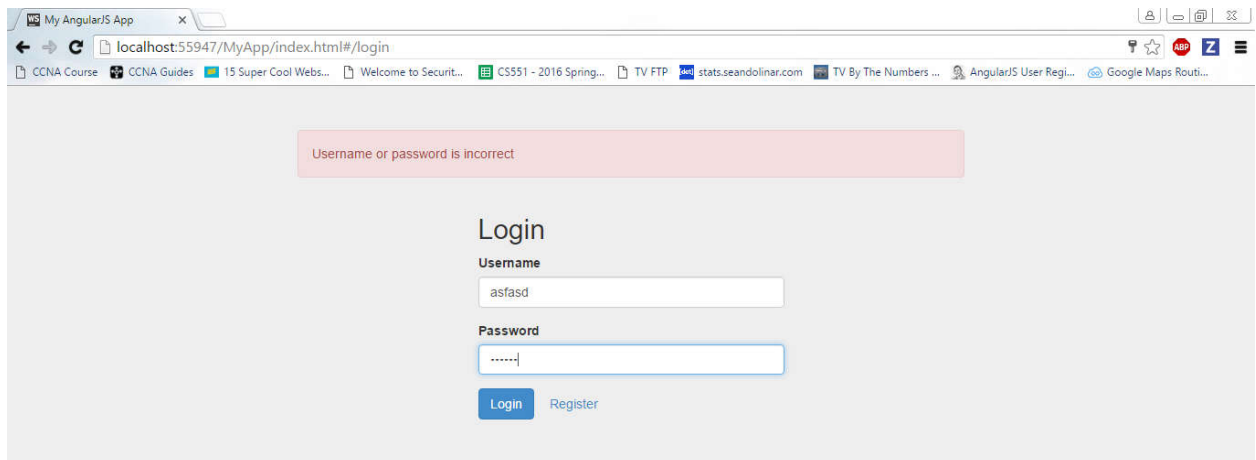
A screenshot of a web browser showing a registration form titled "Register". The form is located at the URL `localhost:55947/MyApp/index.html#/register`. It contains four input fields: "First name" with the value "Sri Chaitanya", "Last name" with the value "Palluri", "Username" with the value "chaitanya0403", and "Password" which is masked with asterisks. Below the fields are two buttons: "Register" (highlighted in blue) and "Cancel". The browser's address bar and tabs are visible at the top.

- After Registration is successful, the user is redirected to login page.

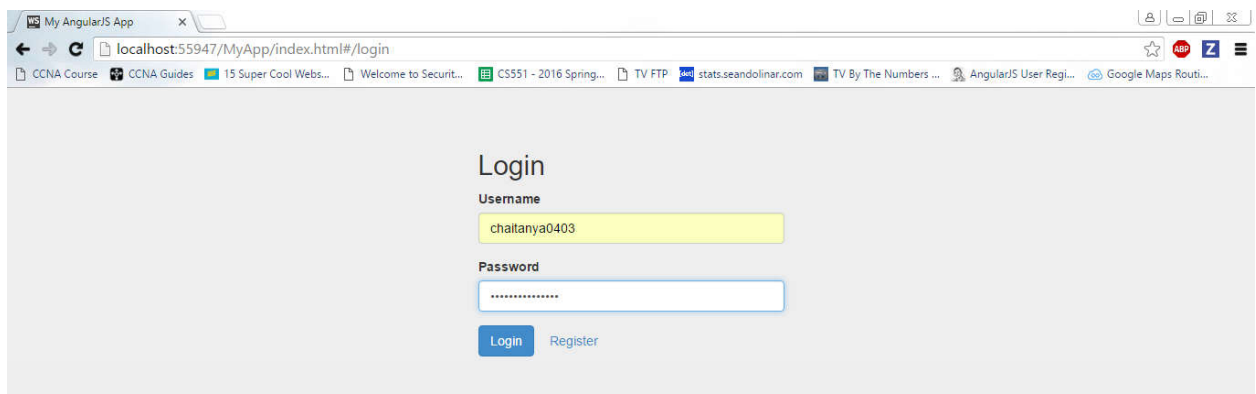


A screenshot of a web browser showing a login page. At the top, a green notification box displays the message "Registration successful". Below this is a login form titled "Login" with two input fields: "Username" and "Password". At the bottom of the form are two buttons: "Login" (highlighted in blue) and "Register". The browser's address bar shows the URL `localhost:55947/MyApp/index.html#/login`.

5. When a user enters a wrong username or password, an error is shown.

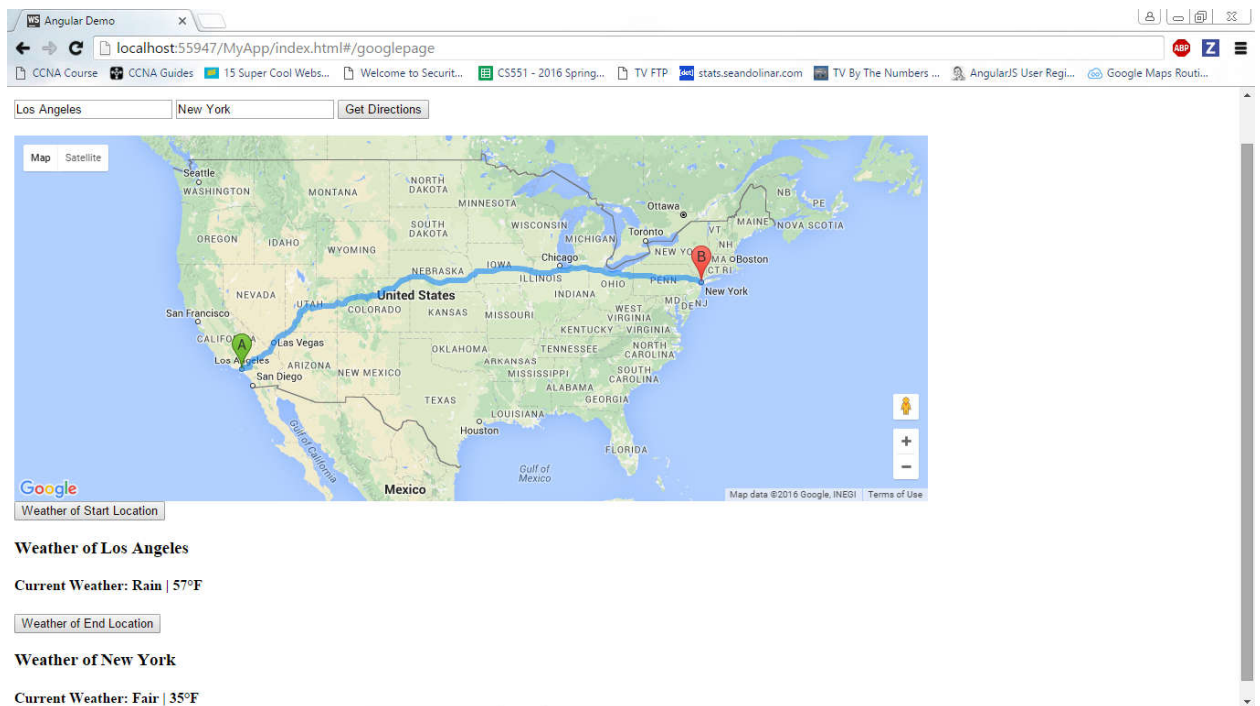


6. Upon, Successful login, the user is redirected to welcome page as shown below.





7. When selected Maps and Weather, the user is redirected to maps page where he/she can enter the names of places in the given places and directions between them and weather of the places are shown as below.



Wireframes:

1. Login Page

Login

Username

Password

Login

Register

2. Register Page

Register

First Name

Last Name

Username

Password

Register

Cancel

3. Welcome Page

Hi

Go to Maps & Weather

Logout

4. Maps & Weather Page

Start Location

End Location

Get Directions

Map

Weather of Start Location

Current Weather:

Weather of End Location

Current Weather:

References:

1. <https://docs.angularjs.org/guide/directive>
2. <https://developer.yahoo.com/weather/>
3. <https://developers.google.com/maps/documentation/javascript/>
4. <http://stackoverflow.com/>