

COMP-SCI 5551 Advanced Software Engineering

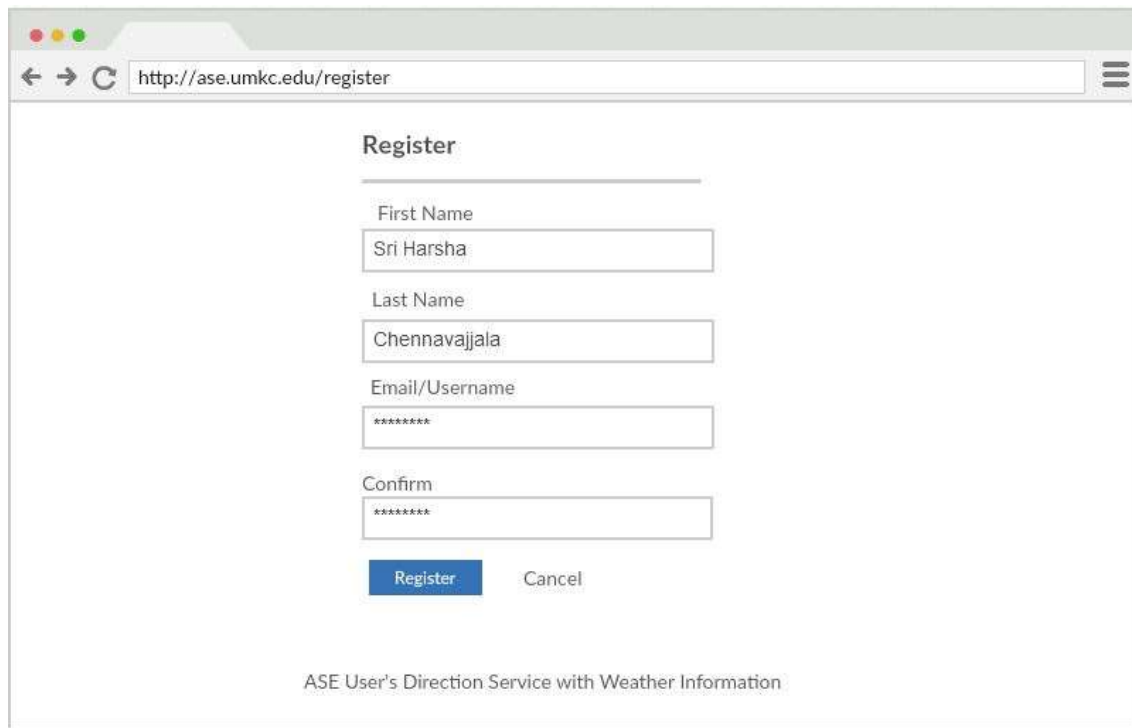
Assignment 4 Solution

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Wireframe diagram for new user registration screen:



A wireframe diagram of a new user registration screen. The browser address bar shows 'http://ase.umkc.edu/register'. The page title is 'Register'. The form contains four input fields: 'First Name' with the value 'Sri Harsha', 'Last Name' with the value 'Chennavajjala', 'Email/Username' with masked text '*****', and 'Confirm' with masked text '*****'. Below the fields are two buttons: 'Register' (blue) and 'Cancel' (grey). At the bottom, the text 'ASE User's Direction Service with Weather Information' is displayed.

Register

First Name
Sri Harsha

Last Name
Chennavajjala

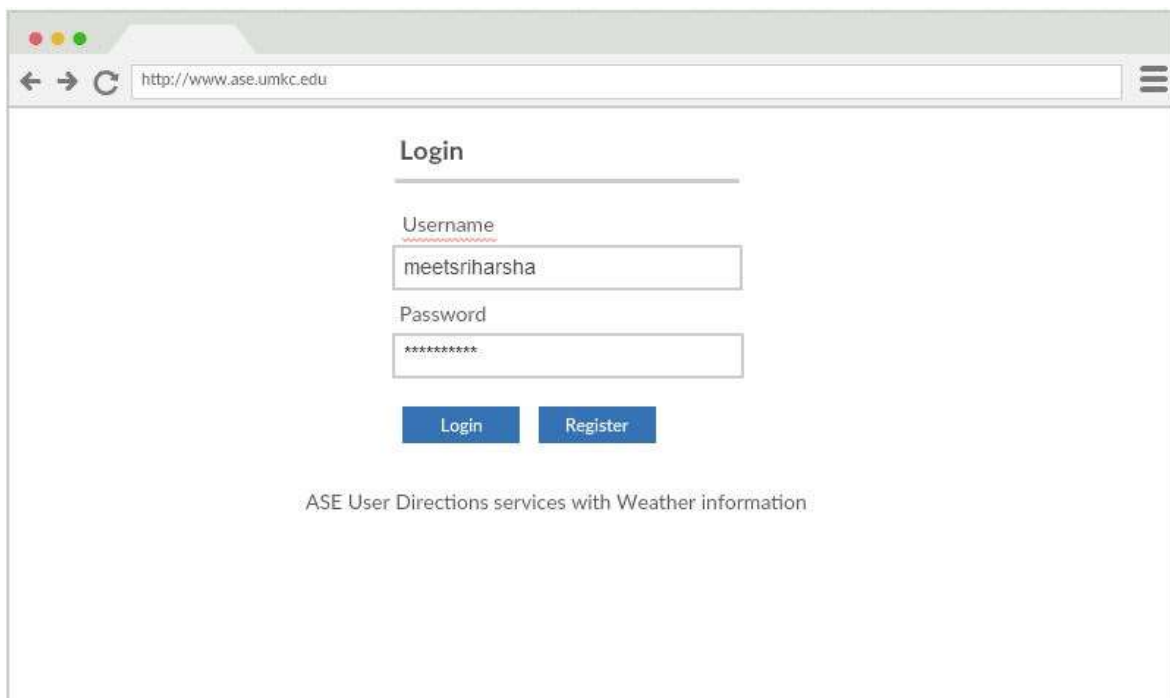
Email/Username

Confirm

Register Cancel

ASE User's Direction Service with Weather Information

Wireframe diagram for user login screen:



A wireframe diagram of a user login screen. The browser address bar shows 'http://www.ase.umkc.edu'. The page title is 'Login'. The form contains two input fields: 'Username' with the value 'meetsriharsha' and 'Password' with masked text '*****'. Below the fields are two buttons: 'Login' (blue) and 'Register' (blue). At the bottom, the text 'ASE User Directions services with Weather information' is displayed.

Login

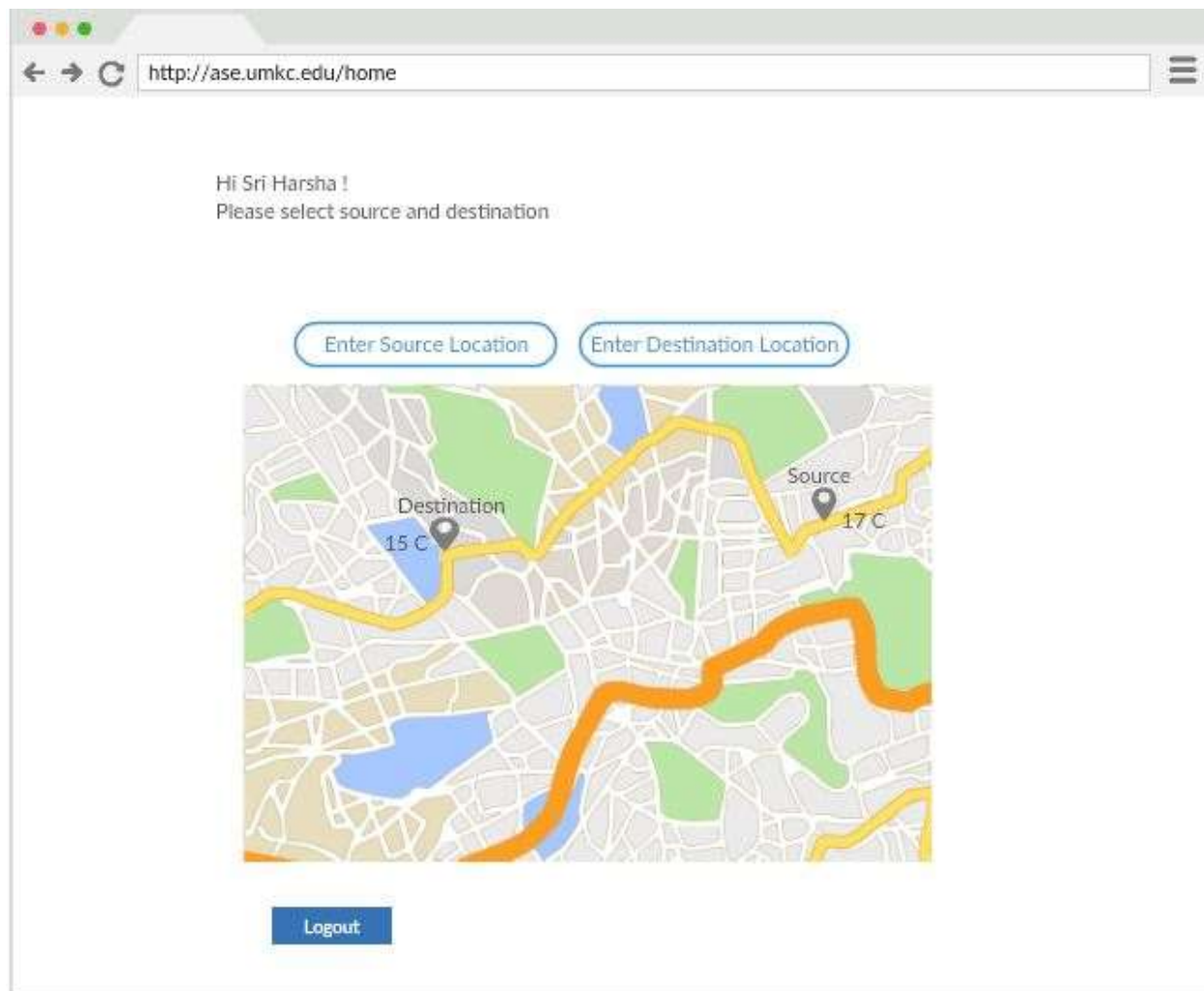
Username
meetsriharsha

Password

Login Register

ASE User Directions services with Weather information

Wireframe diagram for directions and weather page:



Work done during the website development:

First created the login and registration pages using html 5 and angular js.

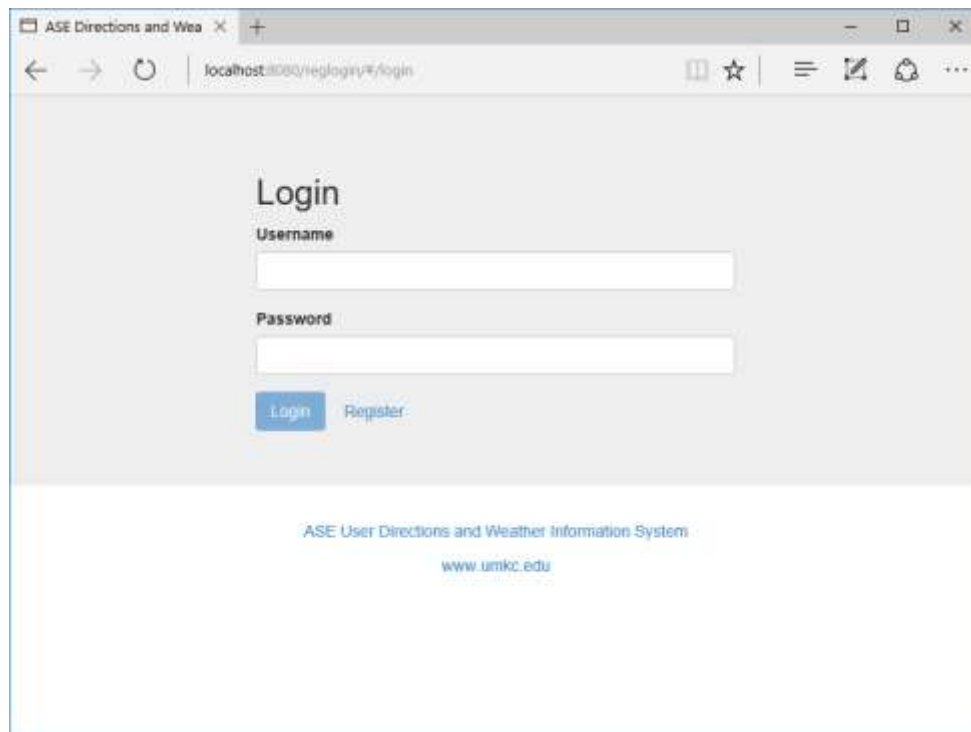
Registration screen:

A screenshot of a web browser window showing a registration form. The browser's address bar displays 'localhost:8080/reglogin/#/register'. The form is titled 'Register' and contains four input fields: 'First name', 'Last name', 'Username', and 'Password'. Below the fields are two buttons: 'Register' (in blue) and 'Cancel' (in light blue). At the bottom of the page, the text 'ASE User Directions and Weather Information System' and the URL 'www.umkc.edu' are visible.

Registration form has some input data validations.

A screenshot of the same registration form, but with input data and a validation error. The 'First name' field contains 'Sri Harsha', the 'Last name' field contains 'Chennavajjala', and the 'Username' field contains 'meetsriharsha'. The 'Password' field is filled with eight dots. A red error message box at the top of the form area states: 'Username "meetsriharsha" is already taken'. The 'Register' and 'Cancel' buttons remain at the bottom.

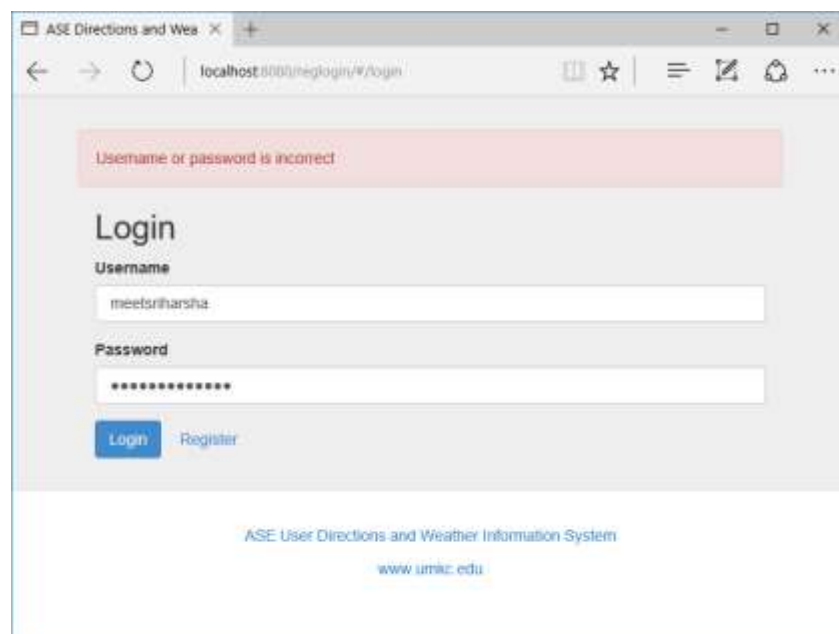
Login Screen:



A screenshot of a web browser window showing the login page for the ASE User Directions and Weather Information System. The browser's address bar displays 'localhost:8080/register/#/login'. The page has a light gray background. At the top, the title 'Login' is centered. Below it, there are two input fields: 'Username' and 'Password'. The 'Username' field is empty, and the 'Password' field is also empty. Below the password field, there are two buttons: 'Login' (in blue) and 'Register' (in light blue). At the bottom of the page, the text 'ASE User Directions and Weather Information System' is displayed, followed by the URL 'www.umkc.edu'.

Note: Registered user details will be stored using localStorage. Later, these details will be used to evaluate the user credentials.

If we enter wrong credentials, the page will display an error message as shown below.



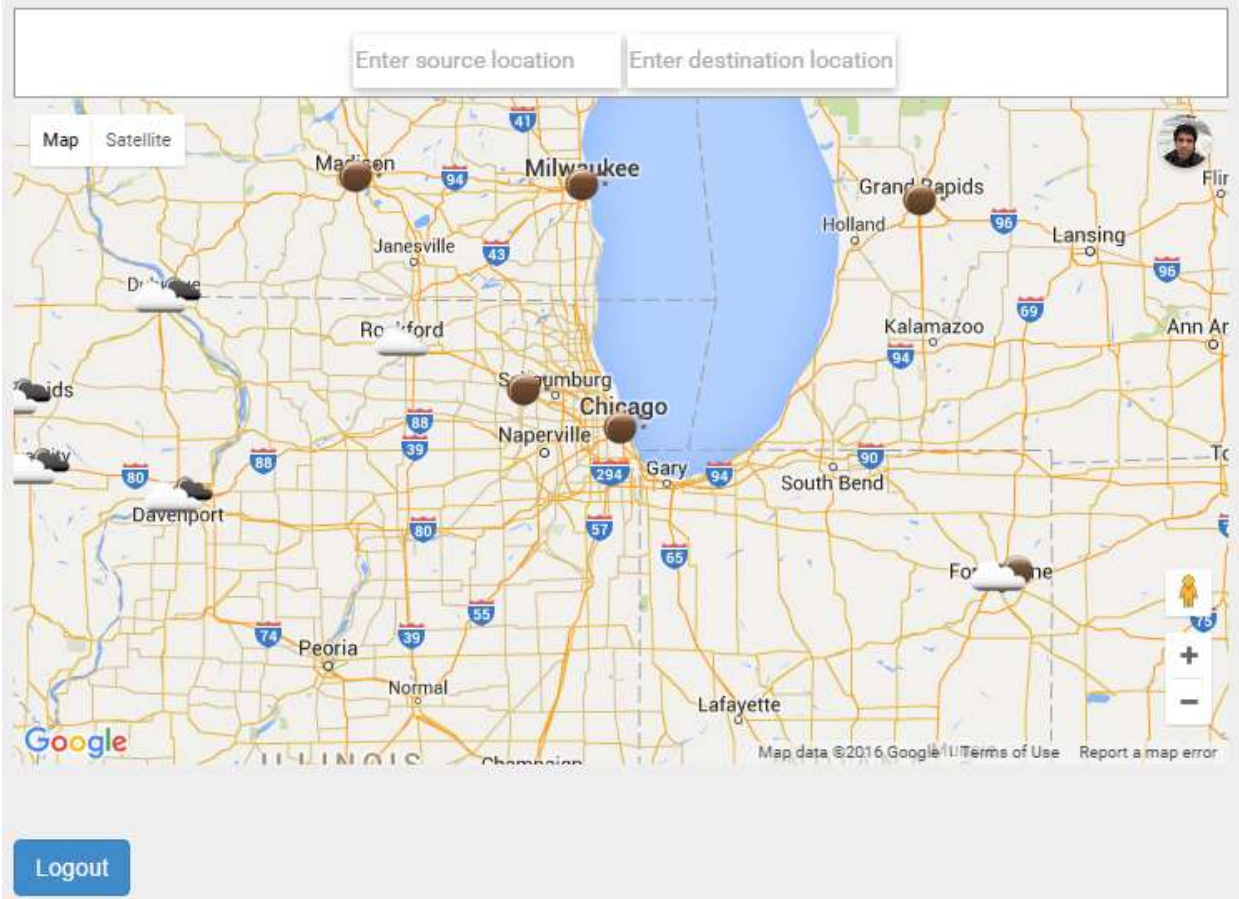
A screenshot of the same web browser window showing the login page after an incorrect login attempt. A red error message box at the top of the form area reads 'Username or password is incorrect'. The 'Username' field now contains the text 'meetsriharsha', and the 'Password' field is filled with ten asterisks. The 'Login' and 'Register' buttons remain at the bottom of the form. The footer text 'ASE User Directions and Weather Information System' and 'www.umkc.edu' is still visible at the bottom of the page.

Home Screen:

Home screen will have a map with two input fields for source and destination for which we want to get the directions.

Hi Sri Harsha!

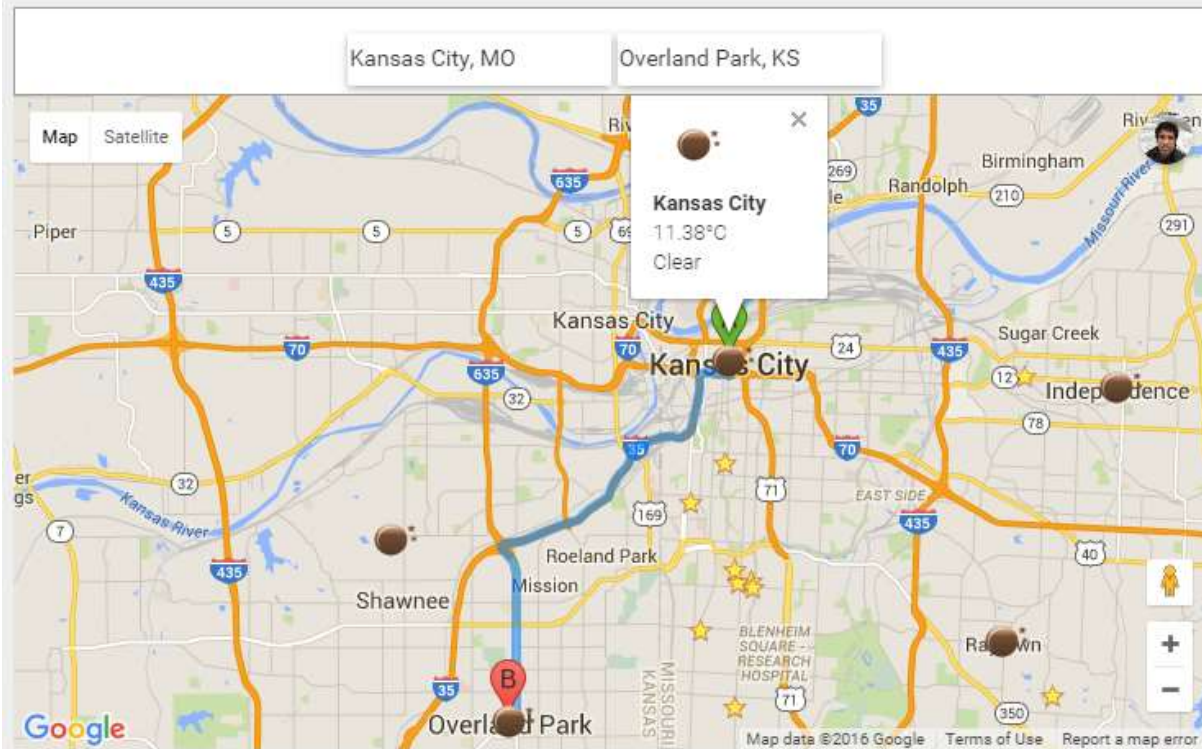
Please select Source and Destination



After the user entered the source and destination city names, directions will be displayed along with the weather information.

Hi Sri Harsha!

Please select Source and Destination



Here, I've used Google Maps Directions javascript API to get the directions from source to destination.

For weather information, I've used Open Weather Maps API. I've embedded the corresponding javascripts and added a new layer for weather information.

I've created API keys for both Google Maps and Open Weather Maps.

There is a Logout button for the user to logout of his account.