Advanced Software Engineering
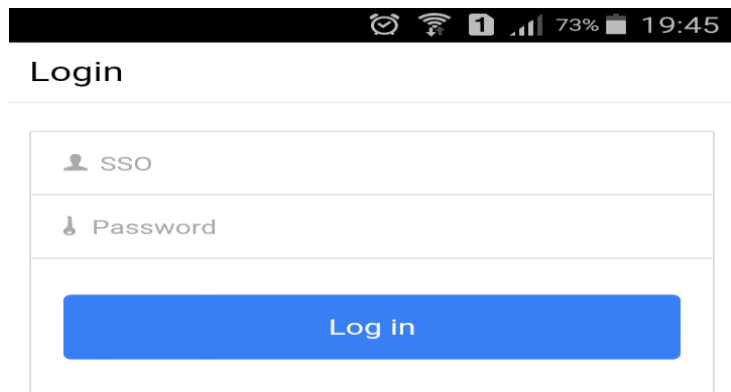
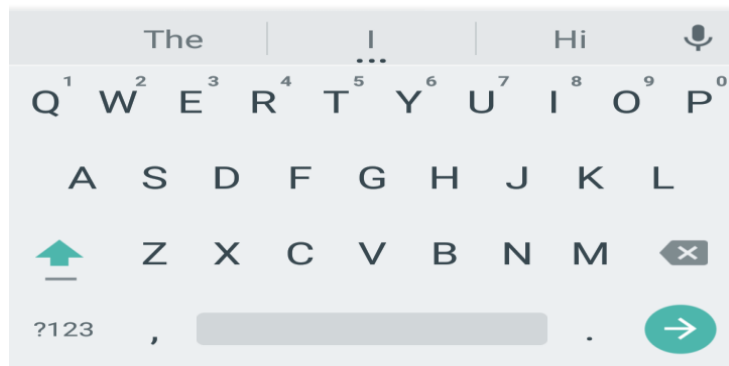# Assignment 8

Teja Garidepally,(12)

Below is the screenshot of my mobile application

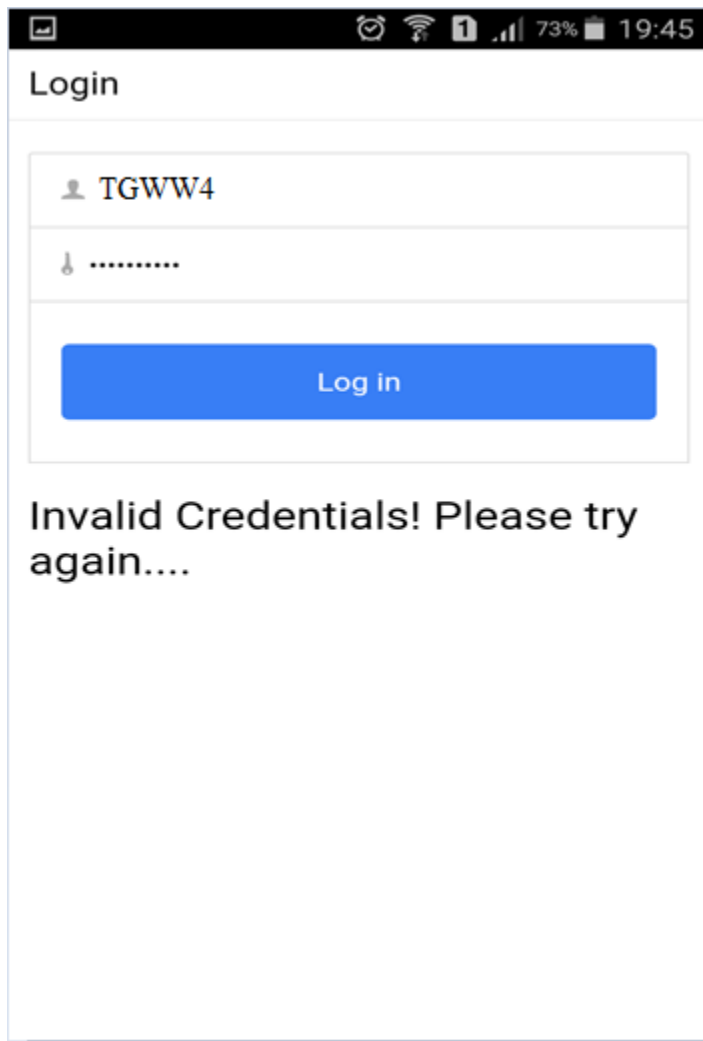After entering SSO and password it validates the credentials and takes to home page.

If the credentials are wrong , error message will be displayed like below:

I have written 3 test cases for this login in karma and jasmine

1. Validating user SSO id input
2. Validating the length of SSO string id
3. Validating the user password

Below are the test cases:

```
    it('Validates user sso input', function() {
        var sso = "TGWW4";
        var password = "password";
        expect(scope).toBeDefined();
        scope.doLogin(sso,password);
       expect(scope.username).toEqual('TGWW4');

    });

it('Validates SSO String length', function() {
    var sso = "TGWW4sdfs";
    var password = "password";
    expect(scope).toBeDefined();
    //
    // state.expectTransitionTo('tab.account')
    scope.doLogin(sso,password);
    // $httpBackend.flush();
    expect(scope.username.length).not.toBeGreaterThan(5);

});

it('Validates user password', function() {
    var sso = "TGWW";
    var password = "password";
    expect(scope).toBeDefined();
    //
    // state.expectTransitionTo('tab.account')
    scope.doLogin(sso,password);
    // $httpBackend.flush();
    expect(scope.pwd).not.toMatch(/(\!|\@|\#|\$|\ |\%|\(|\))/);

});

});
```

Below is the result of test cases when ran,

I could not solve the errors that occurred while running test cases,

```
F:\ASESpring16-master\Source_Code\Assignment8\UTestApp>karma start karma.conf.js
17 03 2016 00:29:52.943:WARN [karma]: No captured browser, open http://localhost
:9876/
17 03 2016 00:29:52.962:INFO [karma]: Karma v0.13.22 server started at http://lo
calhost:9876/
17 03 2016 00:29:52.982:INFO [launcher]: Starting browser Chrome
17 03 2016 00:29:56.615:INFO [Chrome 49.0.2623 (Windows 7 0.0.0)]: Connected on
socket /#TuxbOg6WvsUy4wjeAAAA with id 73424502
Chrome 49.0.2623 (Windows 7 0.0.0) DashCtrl Validates user sso input FAILED
        TypeError: angular.element.cleanData is not a function
            at Function.module.$$cleanup (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2776:23)
            at Object.module.$$afterEach (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2746:14)
Chrome 49.0.2623 (Windows 7 0.0.0): Executed 1 of 3 (1 FAILED) (0 secs / 0.092 s
Chrome 49.0.2623 (Windows 7 0.0.0) DashCtrl Validates SSO String length FAILED
        Expected 9 not to be greater than 5.
            at Object.<anonymous> (F:/ASESpring16-master/Source_Code/Assignment8
/UTestApp/www/test/controllers.test.js:47:43)
        TypeError: angular.element.cleanData is not a function
            at Function.module.$$cleanup (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2776:23)
            at Object.module.$$afterEach (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2746:14)
Chrome 49.0.2623 (Windows 7 0.0.0): Executed 2 of 3 (2 FAILED) (0 secs / 0.115 s
Chrome 49.0.2623 (Windows 7 0.0.0) DashCtrl Validates user password FAILED
        TypeError: angular.element.cleanData is not a function
            at Function.module.$$cleanup (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2776:23)
            at Object.module.$$afterEach (F:/ASESpring16-master/Source_Code/Assi
gnment8/UTestApp/node_modules/angular-mocks/angular-mocks.js:2746:14)
Chrome 49.0.2623 (Windows 7 0.0.0): Executed 3 of 3 (3 FAILED) (0 secs / 0.127 s
Chrome 49.0.2623 (Windows 7 0.0.0): Executed 3 of 3 (3 FAILED) ERROR (0.159 secs
/ 0.127 secs)
```

Loan Calculator:

In 6th assignment, the REST services I created are not related to my project, so I implemented those rest services in different webapp using ionic.

In this webapp, Based on the loan amount given status will be displayed.

After entering the loan amount and submitting, if the amount is less than 100000, the status will be Loan amount is approved.

If the amount is greater than 1000000, the status will be Sorry! Your loan is not approved.

Home	
Name	Teja
Loan amount	1000000

➔Submit

Status: Sorry! Your loan is not approved