**Description about the Application**

The application is simple single page form that has been developed to demonstrate the power of Angular JS framework which is built on top of Java script.

The application contains the below:

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| Folder/Files | Usage |
| app | Container for all static files used as reference in the form. |
| app/fonts | Specific Helvetica fonts used in the application |
| app/images | 2 Images for form header logo and page background |
| app/lib | All angular, bootstrap libraries being referenced in the application. |
| app/scripts | Contains all application specific “js” files |
| app/scripts/app.js | * Contains the **routing logic** to demonstrate routing scenario in a web application. * I have only produced one form and hence have one routing logic. * We can have multiple pages having multiple routing logic embedded here. * We can also use “**ui-router**” to define and route based on states |
| app/scripts/controllers/form.js | * **Controllers** in “**AngularJS**” help us define the business logic of the application and basically binds to the core concept called “**SCOPE**” * **SCOPE** is the bridge between controller and view and helps binds values either single way or two way. * Here a small controller “**form.js**” has been defined to give a feel of how controllers work. * The controller basically checks for “empty fields” etc before enabling the action buttons which is binded to the forms through **$scope**. |
| app/scripts/directives/alphabets-only.js  app/scripts/directives/numbers-only.js | * **Directives** are the core concept of “**AngularJS**”. * Directives give definition to the DOM which makes this concept pretty strong in Angular JS. * It can help you define customized behaviour to the elements. * **ng-app, ng-click etc** are few such concepts that help us define the behaviour. * I have created 2 customized directives “**alphabets-only**” and “**numbers-only**” and have used these with the input boxes to basically restrict the use alphabets and numbers based on input type. |
| app/styles/main.css | Basic styling applied to the form. This can be extended to use animations etc using CSS3. |
| app/views/forms.html | * Template definition of the form. * From **app.js** the request is routed across to this template which contains a view of the form |
| Index.html | * Base structure/container for the template **form.html.** * As you can see in the file, we only have **ng-view** which basically renders all the templates based on the routing logic. * Another concert that we can use over here is “**ui-router”** which routes based on states. |