Assignment - 9

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Title - Design and develop any web.
           application. using Angular Js.

Objectives -

1) Understand the design of single - page.
   application and how AngularJs facilitate
   their development.

2) properly seperates the model, view and
   controller layers of your applications
   and implement them using AngularJs.

3) master AngularJs expressions, filters,
      and scopes.

4) Build Angular forms.

5) Elegantly implement Ajax in your
   AngularJs Applications.

6) write AngularJs directives.

Problem Statement -
     Create an applications for Bill pay.
     ment Records using AngularJs.

Outcomes -

1) Implement the effective client side implementation.

2) Solve the complex problem of development using mvc framework.

Software & Hardware Requirements -
Ecplipse IDE / Notepad / Notepad ++, morden web browser.

Theory - Concept

- AngularJS is an open-soserce web application frameworks. It was initially created in 2009 by mrsKohovery and Adam Abrons.

- It is presently kept up by google. Its most recent adaptations is 1.2.21.

"Angulars JS is an Auxilliary System for dynamics web applications. It gives you a chance to utilize HTML.

General Features -

- Angulars JS is a productive System that Can make Rich internet Application (RIA)

- Angular JS gives designers a choices to compose customer side Applications utlizing javascript in a spotless model view controller (mvc) way.

- Applications coritten in AngularJs are, Cross-program agreeable. AngularJs. consequently handles javascript code. resonable for every program.
- AngularJs is open source, totally free, and utilized by a great many engineers. the world over.
- By the langer, Angular Js is a system to assembler expansive scale, elite, and simple to keep up web applications.
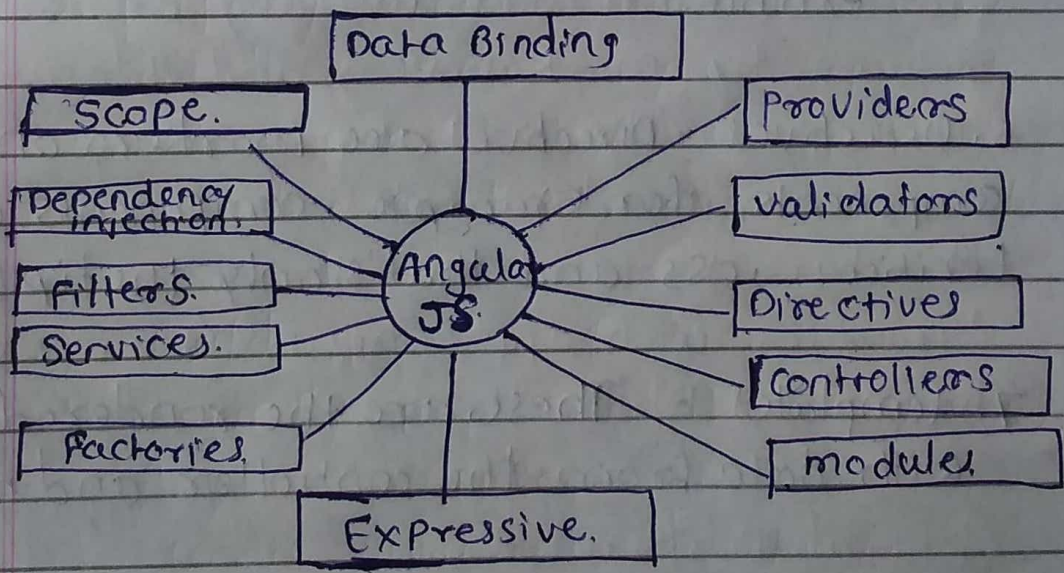
Core. Features -

Fig7: Architectures of AngularJs.

1. Data -authoritative - It is the program- mmed synchronizations of informations amongst models and view parts.

2. Scope : These are objects that allude. to the model. They go about paste. amongst controller and view.

3. ~~Services~~ controller - These are js capacibes bound to a specific degree.

4. Services - AngularJs accompanies a few. implicit administrators, for example, $http to make a XMLHttpRequest.

5. Filters - These select a subset of things from a cluster and restore another exhibit.

6. Directives - Directives are markers on DOM components, for example, components, characteristics, css and that's only the tip iceberg.

7. templates - These are the rendered see. with data from the controller and model.

8. Routing - It is idea of exchanging sees.

9. Model View whatever - MVW is an outline design for isolating an applications into. various parts called models, view and controller, each with unmistakable obligations.

10. Deep Linking - Deep connecting permiter to encode the conditions of use in URL. with the goal that it can be bookmarked

11. Dependancy injections - AngularJs has a worked an reliances infusion subsystem that encourges the designer to make.

Advantages of Angular JS:
• It gives the ability to makes singlePage Applications in spotless and viable way.
• AngularJs code unit testable.
• Angular Js gives reusable segments.

Model view Controller -
• mode - It is most minimal level of. the example incharge of looking after informations.
• View - It is in charge showing all or part of information to dient.
• Controller - It is product code that Controls the connechions between the model and view

AngularJs is MVC based structure.
• An AngularJs application comprises of following three essential parts - ng-app- This directive define and links AngularJs application HTML.

- ng-model - This directives binds the value of AngularJs application data to html
- ng-bind - This directives binds the Angular Js applications html tags.

Design/ Exeations Steps -
Steps for Angular Js.
1. When a link https://angularjs.org/ is opened, there are two options to download AngularJs library -
- Downloading and hosting files locally.
- CDN access
1. include AngularJs.
   We have include the Angular Js Javascript files in html page. So we can use AngularJs.
2. Point to AngularJs app
3. view.
4. Controller
5. Exeations.
6. how Angular Js integrates with html.

Technology / Tool
Any IDE or you can use web browsers.

Conclusion → With the help of this assignment it is helpful to understands feature of Angular Js. mvc model structures and it use in advanced web programming is studied.