* **AngularJS** is a complete JavaScript-based  client and server-side [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) mainly maintained by [Google](https://en.wikipedia.org/wiki/Google) and to address many of the challenges encountered in developing [single-page applications](https://en.wikipedia.org/wiki/Single-page_application)(The page does not reload at any point in the process, nor does control transfer to another page Ex: Gmail mail reloading, Facebook notifications, Facebook pushing new unread pages on top and keeping older below when we click new notifications.).
* It simplifies the development and the [testing](https://en.wikipedia.org/wiki/Software_testing) of JavaScript application by providing a framework for client-side [model–view–controller](https://en.wikipedia.org/wiki/Model%E2%80%93view%E2%80%93controller) (MVC) and [model–view–viewmodel](https://en.wikipedia.org/wiki/Model_View_ViewModel) (MVVM) architectures, along with components commonly used in [rich Internet applications](https://en.wikipedia.org/wiki/Rich_Internet_application).
* The AngularJS framework works by first reading the [HTML](https://en.wikipedia.org/wiki/HTML) page, which has embedded custom [tag attributes](https://en.wikipedia.org/wiki/HTML_attribute). Angular interprets those attributes as [directives](https://en.wikipedia.org/wiki/Directive_(programming)) to bind input or output parts of the page to a model that is represented by standard [JavaScript](https://en.wikipedia.org/wiki/JavaScript) [variables](https://en.wikipedia.org/wiki/Variable_(computer_science)). The values of those JavaScript variables can be manually set within the code, or retrieved from static or dynamic [JSON](https://en.wikipedia.org/wiki/JSON) resources.
* Supports bidirectional [UI data binding](https://en.wikipedia.org/wiki/UI_data_binding). Data-binding is an automatic way of updating the view whenever the model changes, as well as updating the model whenever the view changes.
* Pages are capable of being generated without any interaction with a server (Unlike Struts MVC).