**AngularJS** (commonly referred to as "**Angular**" or "**Angular.js**") is a complete JavaScript-based [open-source](https://en.wikipedia.org/wiki/Open-source_software) front-end [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) mainly maintained by [Google](https://en.wikipedia.org/wiki/Google) and by a community of individuals and corporations to address many of the challenges encountered in developing [single-page applications](https://en.wikipedia.org/wiki/Single-page_application). The JavaScript components complement [Apache Cordova](https://en.wikipedia.org/wiki/Apache_Cordova), the framework used for developing cross-platform mobile apps. It aims to simplify both the development and the [testing](https://en.wikipedia.org/wiki/Software_testing) of such applications 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 into it additional 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.

According to [JavaScript](https://en.wikipedia.org/wiki/JavaScript) analytics service [Libscore](https://en.wikipedia.org/wiki/Libscore" \o "Libscore), AngularJS is used on the websites of [Wolfram Alpha](https://en.wikipedia.org/wiki/Wolfram_Alpha), [NBC](https://en.wikipedia.org/wiki/NBC), [Walgreens](https://en.wikipedia.org/wiki/Walgreens), [Intel](https://en.wikipedia.org/wiki/Intel), [Sprint](https://en.wikipedia.org/wiki/Sprint_Nextel), [ABC News](https://en.wikipedia.org/wiki/ABC_News), and approximately 12,000 other sites out of 1 million tested in October 2016.[[3]](https://en.wikipedia.org/wiki/AngularJS#cite_note-3)Angular is the 6th most starred project of all time on GitHub.[[4]](https://en.wikipedia.org/wiki/AngularJS#cite_note-4)

AngularJS is the frontend part of the [MEAN stack](https://en.wikipedia.org/wiki/MEAN_(software_bundle)), consisting of **[M](https://en.wikipedia.org/wiki/MongoDB" \o "MongoDB)**[ongoDB](https://en.wikipedia.org/wiki/MongoDB" \o "MongoDB) database, [**E**xpress.js](https://en.wikipedia.org/wiki/Express.js) web application server framework, **A**ngular.js itself, and [**N**ode.js](https://en.wikipedia.org/wiki/Node.js) server runtime environment.