Technology	Description
Angular	It is a structural framework for dynamic web apps. the most important core features of AngularJS: • **Data-binding** − It is the automatic synchronization of data between model and view components. • **Scope** − These are objects that refer to the model. They act as a glue between controller and view. • **Controller** − These are JavaScript functions that are bound to a particular scope. • **Services** − AngularJS come with several built-in services for example $https: to make a XMLHttpRequests. These are singleton objects which are instantiated only once in app. • **Filters** − These select a subset of items from an array and returns a new array. • **Directives** − Directives are markers on DOM elements (such as elements, attributes, css, and more). These can be used to create custom HTML tags that serve as new, custom widgets. AngularJS has built directives (ngBind, ngModel...) • **Templates** − These are the rendered view with information from the controller and model. These can be a single file (like index.html) or multiple views in one page using "partials". • **Routing** − It is concept of switching views. • **Model View Whatever** − MVC is a design pattern for dividing an application into different parts (called Model, View and Controller), each with distinct responsibilities. AngularJS does not implement MVC in the traditional sense, but rather something closer to MVVM (Model-View-ViewModel). The Angular JS team refers it humorously as Model View Whatever. • **Deep Linking** − Deep linking allows you to encode the state of application in the URL so that it can be bookmarked. The application can then be restored from the URL to the same state. • **Dependency Injection** − AngularJS has a built-in dependency injection subsystem that helps the developer by making the application easier to develop, understand, and test.
Node.js	It is an open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript, and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux. Features: • **Asynchronous and Event Driven** − All APIs of Node.js library are asynchronous, that is, non-blocking. It essentially means a Node.js based server never waits for an API to return data. The server moves to the next API after calling it and a notification mechanism of Events of Node.js helps the server to get a response from the previous API call. • **Very Fast** − Being built on Google Chrome's V8 JavaScript Engine, Node.js library is very fast in code execution.

	• **Single Threaded but Highly Scalable** − Node.js uses a single threaded model with event looping. Event mechanism helps the server to respond in a non-blocking way and makes the server highly scalable as opposed to traditional servers which create limited threads to handle requests. Node.js uses a single threaded program and the same program can provide service to a much larger number of requests than traditional servers like Apache HTTP Server. • **No Buffering** − Node.js applications never buffer any data. These applications simply output the data in chunks. • **License** − Node.js is released under the MIT license.
Node.js - Express Framework	Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications. Following are some of the core features of Express framework. • Allows to set up middlewares to respond to HTTP Requests. • Defines a routing table which is used to perform different actions based on HTTP Method and URL. • Allows to dynamically render HTML Pages based on passing arguments to templates.
React. js	It is JavaScript library used for building reusable UI components. Features: • **JSX** − JSX is JavaScript syntax extension. It isn't necessary to use JSX in React development, but it is recommended. • **Components** − React is all about components. You need to think of everything as a component. This will help you maintain the code when working on larger scale projects. • **Unidirectional data flow and Flux** − React implements one-way data flow which makes it easy to reason about your app. Flux is a pattern that helps keeping your data unidirectional. • **License** − React is licensed under the Facebook Inc. Documentation is licensed under CC BY 4.0.
MongoDB	It is an open-source document database and leading NoSQL database. MongoDB is written in C++. It is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document.
JavaScript	It is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

	The merits of using JavaScript are • Less server interaction − You can validate user input before sending the page off to the server. This saves server traffic, which means fewer loads on your server. • Immediate feedback to the visitors − They don't have to wait for a page reload to see if they have forgotten to enter something. • Increased interactivity − You can create interfaces that react when the user hovers over them with a mouse or activates them via the keyboard. • Richer interfaces − You can use JavaScript to include such items as drag-and-drop components and sliders to give a Rich Interface to your site visitors.

HTML	It is a stands for Hyper Text Markup Language, which is the most widely used language on Web to develop web pages.
	• Hypertext refers to the way in which Web pages (HTML documents) are linked together. Thus, the link available on a webpage is called Hypertext.
	• As its name suggests, HTML is a Markup Language which means you use HTML to simply "mark-up" a text document with tags that tell a Web browser how to structure it to display .
	HTML Document Structure
	`<html>`
	`<head>`
	`Document header related tags`
	`</head>`
	`<body>`
	`Document body related tags`
	`</body>`
	</html>

CSS	Cascading Style Sheets is a simple design language intended to simplify the process of making web pages presentable. CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style o fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety

	of other effects.
jQuery	It is a fast and concise JavaScript Library. jQuery simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. jQuery is a JavaScript toolkit designed to simplify various tasks by writing less code. Here is the list of important core features supported by jQuery **DOM manipulation** − The jQuery made it easy to select DOM elements, negotiate them and modifying their content by using cross-browser open source selector engine called Sizzle. **Event handling** − The jQuery offers an elegant way to capture a wide variety of events, such as a user clicking on a link, without the need to clutter the HTML code itself with event handlers. **AJAX Support** − The jQuery helps you a lot to develop a responsive and feature rich site using AJAX technology. **Animations** − The jQuery comes with plenty of built-in animation effects which you can use in your websites. **Lightweight** − The jQuery is very lightweight library - about 19KB in size (Minified and gzipped). **Cross Browser Support** − The jQuery has cross-browser support, and works well in IE 6.0+, FF 2.0+, Safari 3.0+, Chrome and Opera 9.0+ **Latest Technology** − The jQuery supports CSS3 selectors and basic XPath syntax.
ASP.NET Web API	It is a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework. There are several ways you can build APIs on the Web. These include HTTP/RPC, and what this means is using HTTP in Remote Procedure Call to call into things, like Methods, across the Web. The verbs themselves are included in the APIs, like Get Customers, Insert Invoice, Delete Customer, and that each of these endpoints end up being a separate URI.
Bootstrap	It is a front-end framework now included with ASP.NET and MVC. It is a popular front-end tool kit for web applications, and will help you build a user interface with HTML, CSS, and JavaScript; it is now an open source and has become popular with designers and developers because of its flexibility and ease of use. You can use Bootstrap to create an interface that looks good on everything from large desktop displays to small mobile screens. Bootstrap provides all the pieces you need for layout, buttons, forms, menus, widgets, picture carousels, labels, badges, typography, and all sorts of features. Since Bootstrap is all HTML, CSS and JavaScript, all open standards, you can use it with any framework including ASP.NET MVC. When you start a new MVC project, Bootstrap will be present, meaning you'll find Bootstrap.css and Bootstrap.js in your project.