React vs. Angular

▼ Library vs. Framework

Angular is a full-blown, feature-rich framework

React just a UI component library

▼ React has been around since when?

2013

▼ Angular has been around since when?

2016

▼ React is maintained by who?

Facebook

▼ Angular is maintained by who?

Google

▼ What is the latest version of React?

React 17

▼ What is the latest version of Angular?

Angular 12

▼ What are key features shared by React and Angular?

components and data binding

▼ What are some standard features of Angular?

- dependency injection

- templates

- class-based components

- routing

- utilities for unit-testing

▼ What are some standard features of React?

- instead of classic templates, it has JSX

- class-based or functional components

- state management using setState and hooks.

- error handling boundaries

- utilities for unit-testing

▼ React does not provide anything for what?

dependency injection, routing, or advanced form handling

▼ React needs what to be used?

additional libraries

▼ Why does React have a smaller learning curve than Angular?

Angular is a robust framework whereas React just requires that you know
JavaScript

▼ Why does Angular perform worse than React?

The performance of Angular apps is negatively affected by two way data-binding
since Angular automatically develops a watcher for each binding.

Angular performs worse, especially in the case of complex and dynamic web apps.

▼ React Components: UI and their behavior are what?

combined

▼ Angular Components: UI and their behavior are what?

separated

Angular separates the UI part of components as attributes of HTML tags, and their behaviors in the form of JavaScript code

▼ What are components in Angular called?

Directives

▼ What are directives in Angular?

markers on DOM elements, which Angular can track and attach specific behavior too

▼ Does React have an app structure?

No, you can choose the app structure

▼ React only offers what layer?

the View layer

Model and Controller are added with the usage of other libraries.

▼ What is the base architecture of React?

component-based

▼ Angular is based on what 3 layers?

Model, Controller, and View.

▼ How does MVC work?

An object responsible for the Model is initialized by the Controller and displayed with the View.

▼ State in React components?

In React, each component has its own state. A React developer can create special components for holding the state of the entire application or a particular part of it.

▼ State in Angular components?

In Angular, component data is stored in component properties. Parent components pass data through to children ones.

▼ Why does React not use dependency injection?

React effectively has dependency injection built-in. Dependencies are essentially injected via properties.

▼ Why does Angular use dependency injection?

Angular allows having different lifecycles for different stores.

▼ Data binding in React?

one way - model to view

▼ Data binding in Angular?

two way

▼ How does Angular compensate for not having a virtual DOM?

Angular uses change detection to identify components that need to be altered.