

Why React?

1.

In your own words, explain single-page applications and progressive web apps.

Single Page Apps are the apps that have only one page, and the contents change dynamically within the same page when the user interacts with it. One of the best examples of Single Page Apps is Gmail. Gmail doesn't load the entire pages from a server, but it dynamically updates the current page. After clicking on compose button, the browser remains on the same page without loading the whole content from a different webpage.

2.

Progressive Web App is a web application that uses modern technologies to deliver a native app-like experience. The best part of Progressive Web App is its offline feature means to use a progressive web app user doesn't need to have any network connection.

Either from your research or by inspecting popular sites you frequent (using the Chrome DevTools), give some real-world examples of applications built with React and Angular.

A: REACT

Airbnb

BBC

Facebook

Instagram

Yahoo Mail

Imgur

Tesla

Uber

Flipboard

New York Times

A: ANGULAR

The Guardian

Lego

YouTube

Netflix

PayPal

ING

iStock

Gmail

Wal-Mart

Vevo

3.

Write a summary of the benefits of React vs. Angular. Then ask your mentor about the current state of web development, and ask questions about how they use these two popular technologies in their work.

ReactJS is an open-source JavaScript library introduced by Facebook to build dynamic user interfaces. It is based on JavaScript and is considered widely for developing reusable HTML elements for front-end development.

4.

Angular is an open-source front-end development framework powered by Google. It is a part of MEAN stack and is compatible with a large number of code editors and is considered for creating dynamic websites and web apps.

The benefits of the React JavaScript library include:

- Better user experience
- Time-saving
- Quick development
- Faster testing
- Code stability with one-directional data binding

The benefits of Angular framework include:

- Cleaner code
- Higher performance
- Material design-like interface
- Better error handling
- Seamless updates using Angular CLI