By gained Some Knowledge on below concepts I had Worked On Handson-1

1. Define SPA and its benefits:

SPA stands for **Single Page Application**. It’s a type of web application where the content loads and updates dynamically without refreshing the entire web page.

For ex : We request an HTML file from the server, and the server responds with that HTML file which is built using SPA along with scripts/styles. These scripts handle the dynamic updates of content on the same page.

Benefits :

Faster User Experience,Seamless User Navigation,High performance,Cross platform consistency

1. Define React and identify its working:

React - JavaScript Library , Used to create SPA , Can create reusable UI Components

Working :

React use Virtual DOM which update efficiently Actual DOM without change the Browser DOM

1. Identify the differences between SPA and MPA :

SPA - loads and update content in same Single page

MPA - loads entire page for every interaction and update in a new page

1. Define Virtual DOM :

Virtual DOM - is a lightweight , in memory representation of real DOM . It helps react to update the UI effectively.