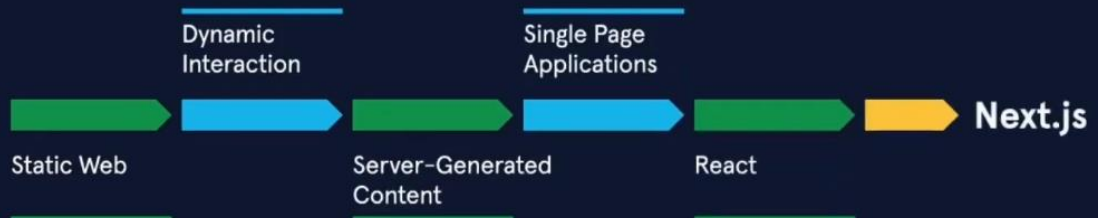**INTRO TO NEXT.JS**

Static Web

- Basic HTML pages that display the same content to every visitor.
- No user interaction beyond hyperlinks.

Source:
CERN. https://info.cern.ch/hypertext/WWW/TheProject.html

codecademy
from skillsoft

Dynamic Interaction

- XMLHttpRequests.
- Enabled users to interact with a web page without reloading the whole page.

Source: Web Design Museum

codecademy
from skillsoft
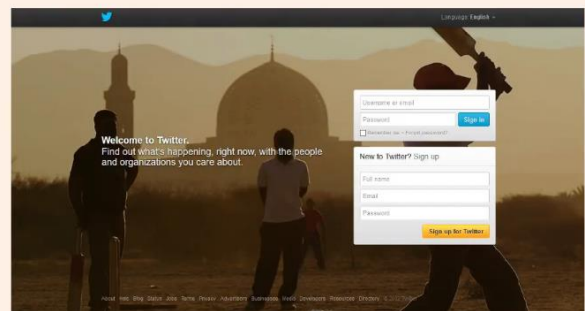
Server-Generated Content

- The server generates custom content for users based on their requests and interactions.

code|cademy
from skillsoft
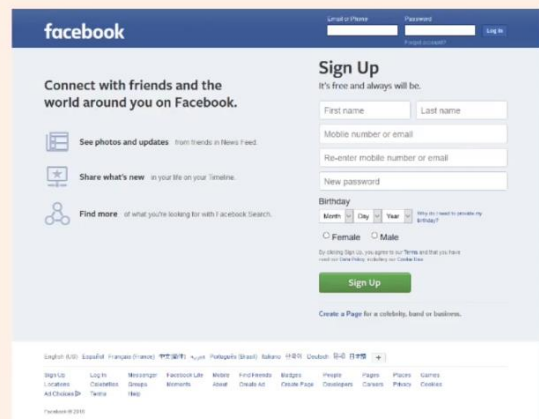

Source: Web Design Museum

Single Page Applications (SPAs)

- Dynamic client-side interactions.
- Fluid app-like experience.
- Web applications load a single HTML page and dynamically render content.

code|cademy
from skillsoft

Source: Web Design Museum

React

- Component-based approach.
- Reusable components that are small, isolated, manageable.
- Interactive user experience.
- Real-time updates without reloading the page.

Source: Web Design Museum

Next.js

Next.js is a React framework focusing on making web development more efficient, scalable, and performant. The framework eases complex development tasks, creating new opportunities to address the challenges of modern web development.

In the context of web development's evolution, the transition from static HTML to dynamic interactions and server-generated content paved the way for single-page applications and React's component-based architecture. Building upon these advancements, Next.js emerges as the modern solution, simplifying both server-side and client-side rendering, and enhancing SEO.

Due to its ability to cater to diverse needs, several tech giants have leveraged it to deliver exceptional user experiences. Next.js is emphasized as a key tool for creating interactive and efficient web applications. This course will explore Next.js's core concepts, including routing,

server components, data fetching, optimization, and deployment, equipping learners with the skills to build quality web applications using Next.js.

Referenced Resources

- The first webpage: https://info.cern.ch/hypertext/WWW/TheProject.html

- An exhibit of websites from 1990s to mid-2000s: https://www.webdesignmuseum.org/