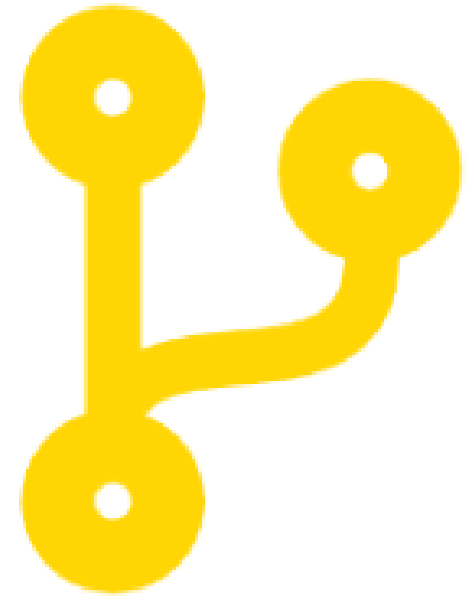


Full Stack Web Development 2

Overview

Frank Walsh, Diarmuid O'Connor
Jan 2024

Full Stack Web
Development 2

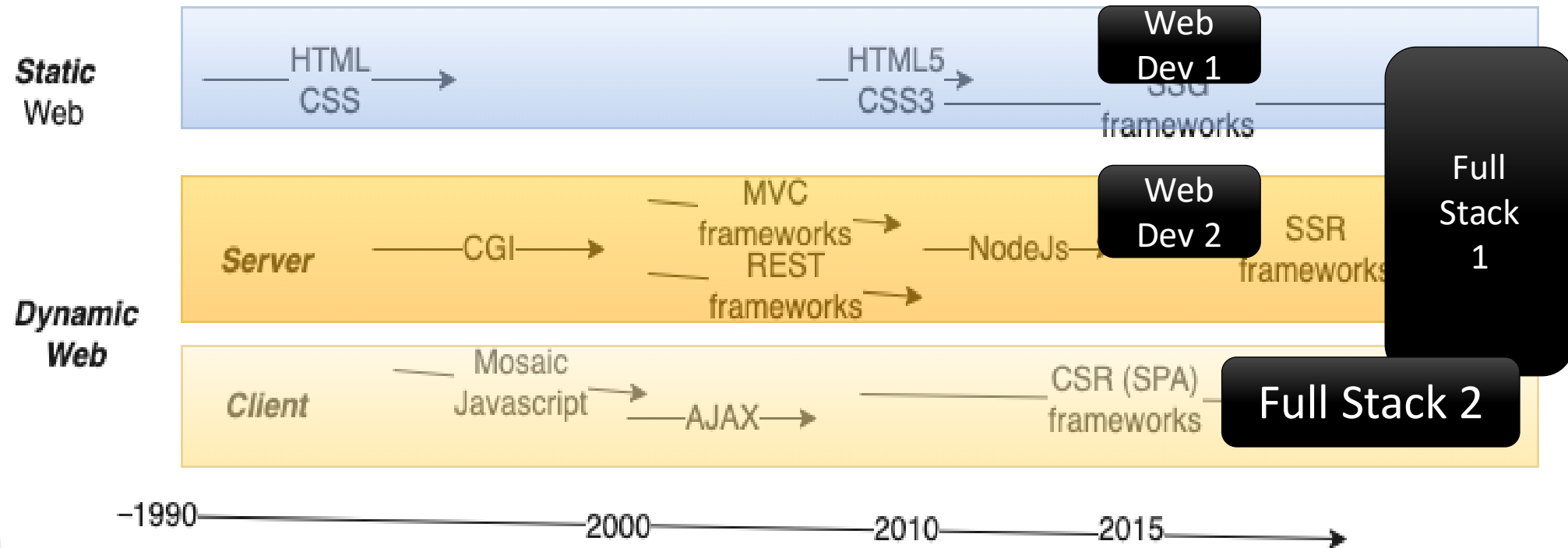


javascript · SPA · react ·
APIs · front-end

Context

SSG (Static site generation)
SSR (Server-side rendering)
CSR (Client-side rendering)

Evolution of the Web platform



Full Stack Development 2



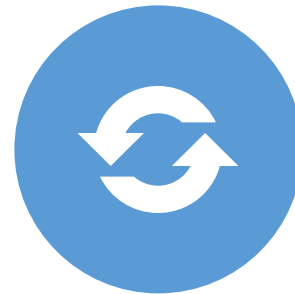
“Design and implement (performant) client-side rendering web apps using industry-standard frameworks and tools.”



2.5 Credit Module

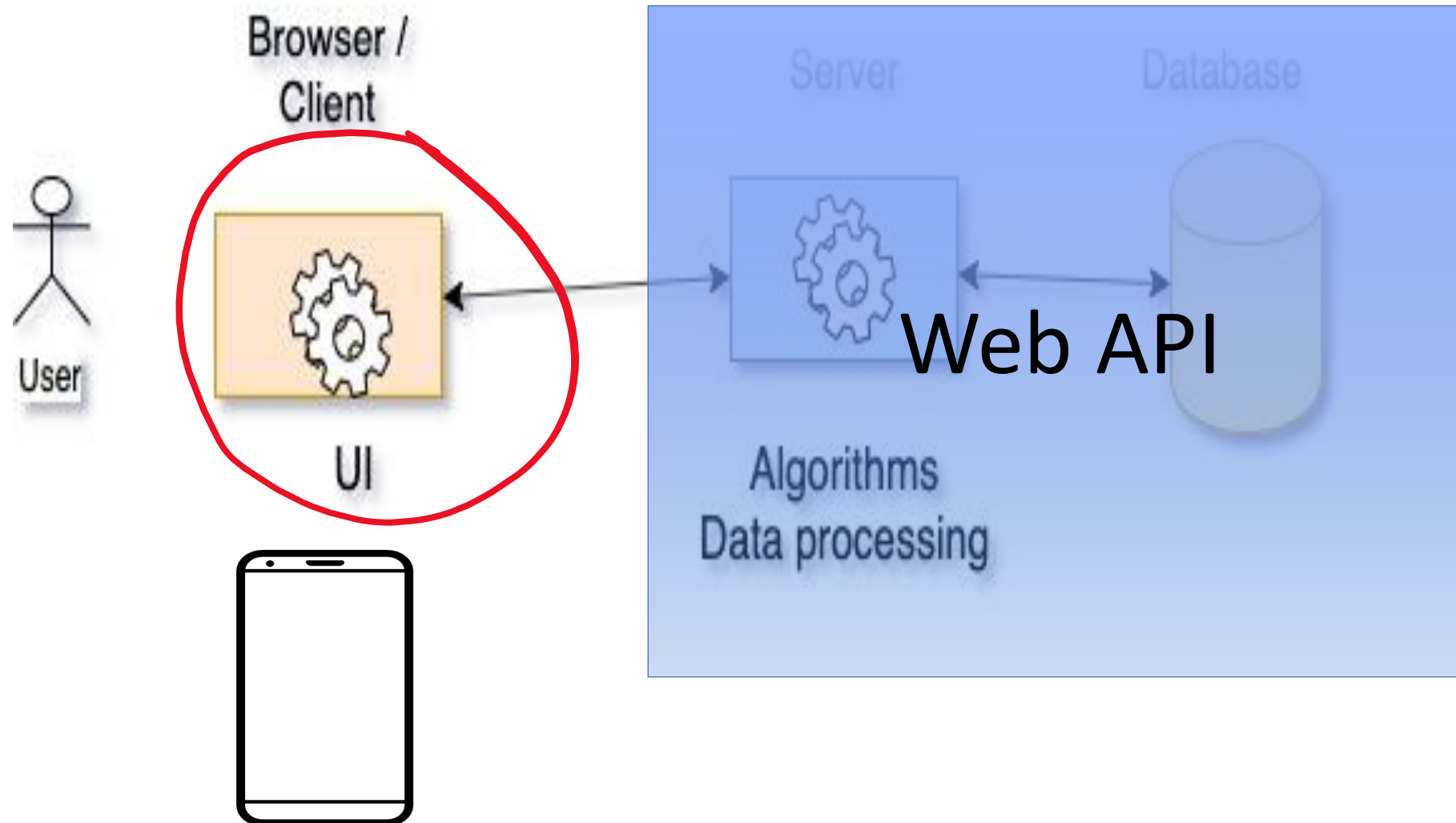


5 weeks in June



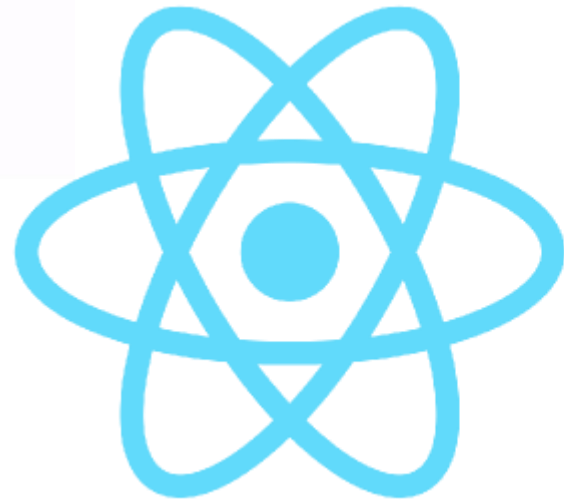
100% Continuous Assessment

Full Stack Dev 2



Industry Standard Frameworks

 **Storybook 5.0**



React



Visual Studio Code

Why React?

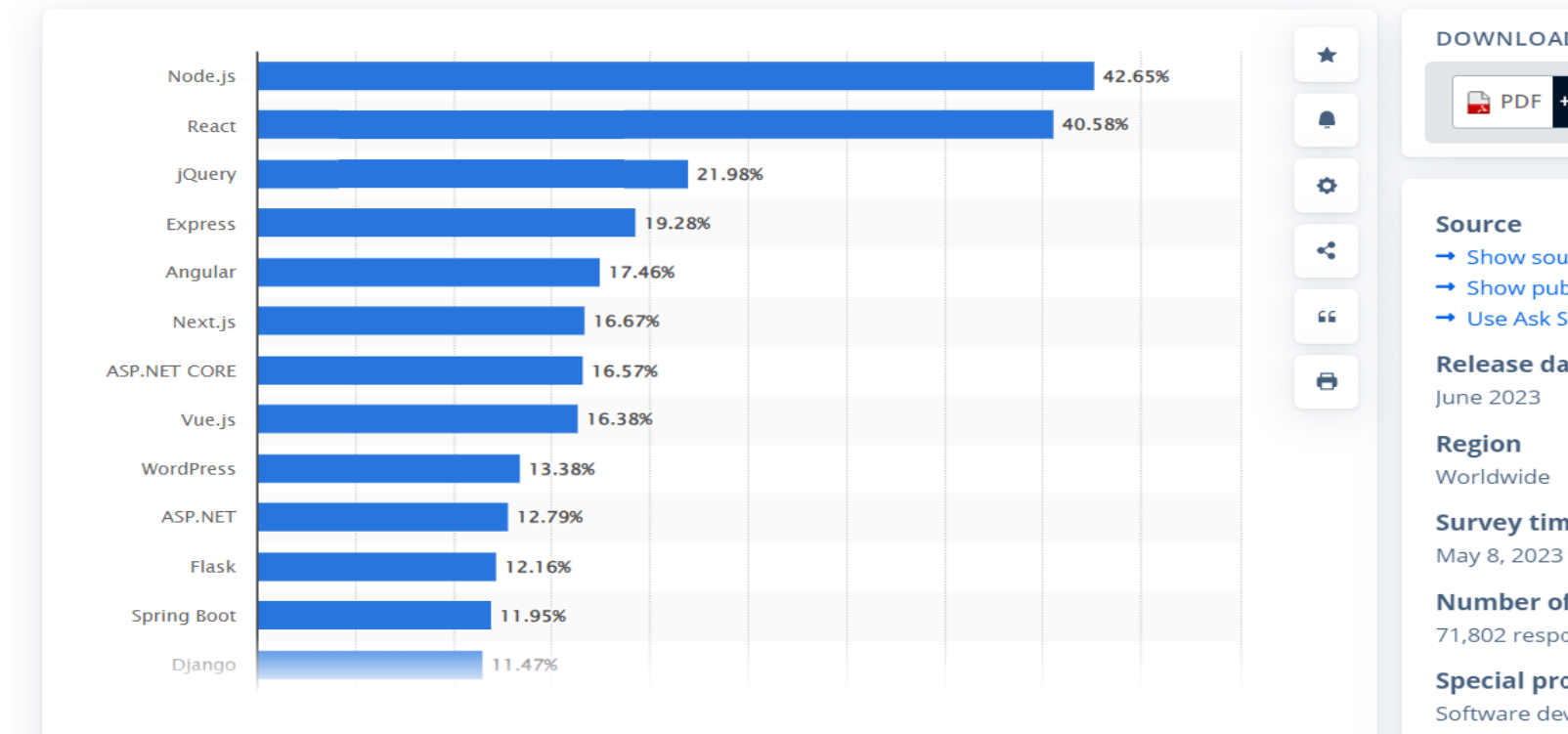


ChatGPT

As of 2024, the most popular framework in the industry, particularly in the realm of web application development, appears to be React.js. While technically a JavaScript library rather than a framework, React.js is extensively used for building interactive user interfaces, especially for single-page applications. Its popularity stems from several factors:

Technology & Telecommunications > Software

Most used web frameworks among developers worldwide, as of 2023

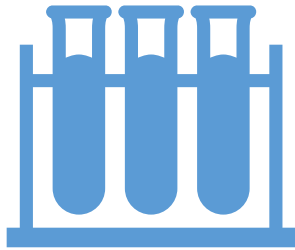


Indicative Content...

Full Stack Web ...

<div><div>Module overview,</div><div></div><div>A look at the context for this module.</div></div>	<div><div>Introduction to React and Storybook.</div><div></div><div>Examine the basics of React's component model, including class declaratio...</div></div>	<div><div>React: The Component model.</div><div></div><div>Examine the core aspects of the component model, including state, hooks, an...</div></div>	<div><div>Navigation & Design Patterns</div><div></div><div>Adding navigation to React. Design Patterns for React Apps.</div></div>
<div><div>Patterns & Navigation (Contd.).</div><div></div><div>Explore some more navigation features available in React Router...</div></div>	<div><div>React App Design</div><div></div><div>Explore the Thinking in React methodology.</div></div>	<div><div>Data Fetching & Caching.</div><div></div><div>Improve app performance with Caching in the management of server...</div></div>	<div><div>Assessment.</div><div></div><div>Module's assessment requirements.</div></div>

Assessment



Labs 40%

Submit at end of term



Assignment/Project 60%

Submit August.

A close-up, high-angle shot of a large pile of dark, 3D question marks. The question marks are scattered and overlapping, creating a sense of depth and texture. The lighting is dramatic, with strong highlights and deep shadows, emphasizing the three-dimensional nature of the symbols. The background is a dark, solid color, making the question marks stand out.

Questions???