Full Stack Web Development 2

Overview

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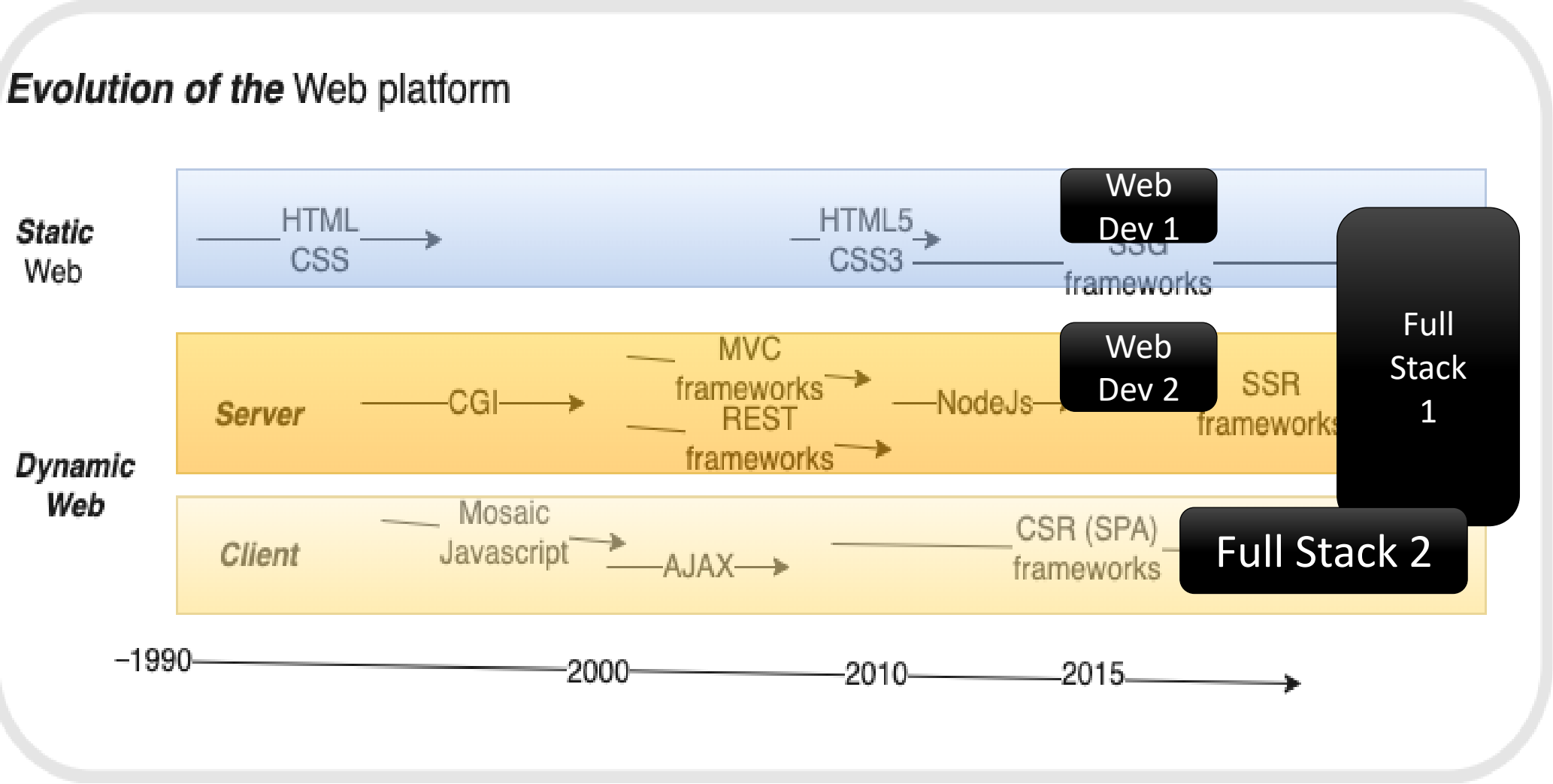
Context

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

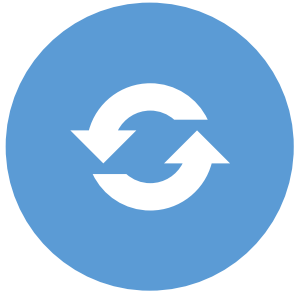


Full Stack Development 2

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

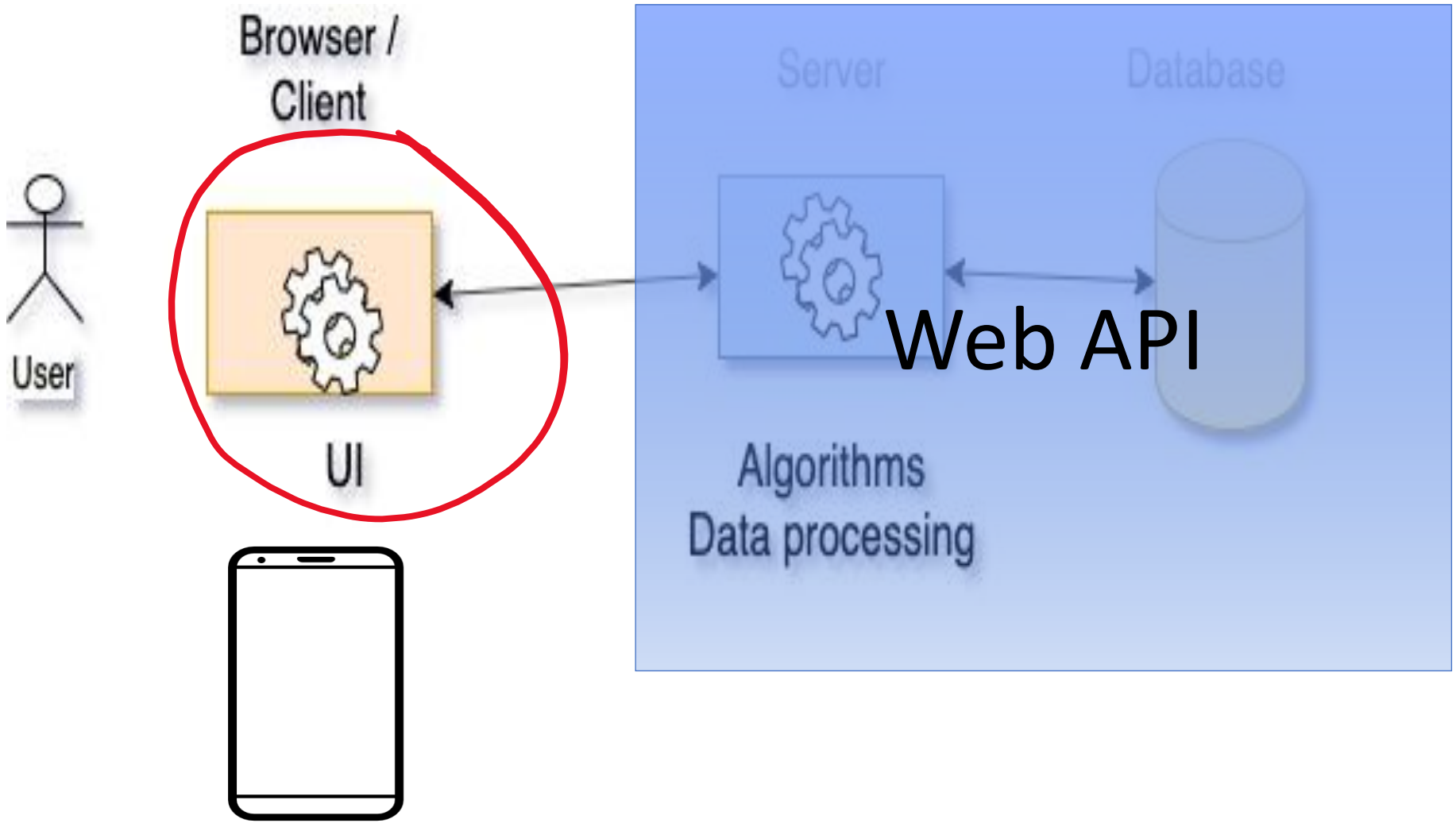
2.5 Credit Module

5 weeks in June

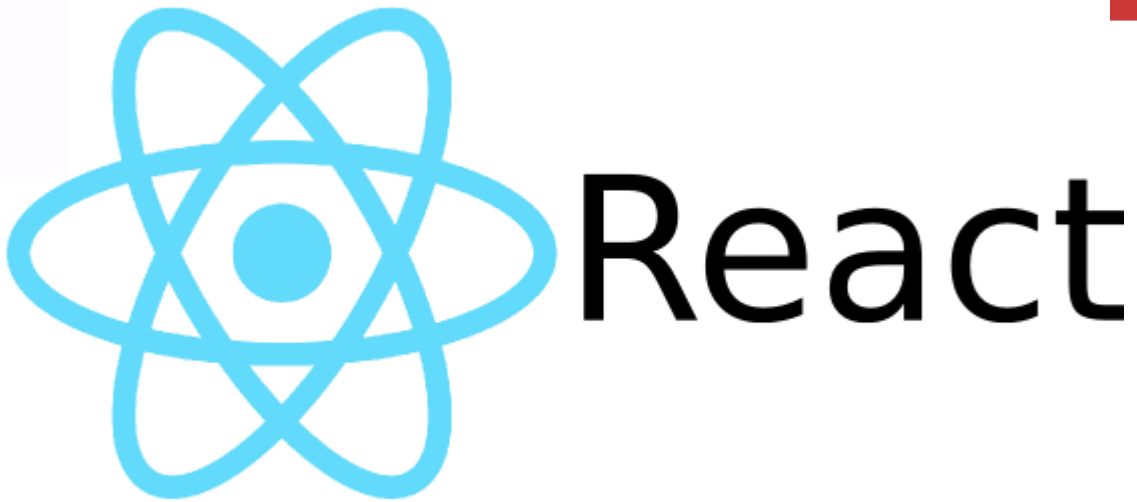


100% Continuous Assessment

Full Stack Dev 2



Industry Standard Frameworks



Why React?

If we're talking **globally and right now**, the most widely used web dev tools break down like this:

Frontend (UI frameworks/libraries)

1. React 🥇

- By far the most widely used frontend library
- Created by Meta (Facebook)
- Huge ecosystem (Next.js, React Native, etc.)
- Massive job market
- Component-based, fast, flexible

2. Angular

- Full framework (not just a library)
- Created by Google
- Popular in enterprise apps
- Opinionated, everything included

3. Vue

- Easier learning curve
- Very popular in Asia and Europe
- Great documentation
- Smaller ecosystem than React

Indicative Content…

Full Stack Web …

Module overview,

A look at the context for this module.

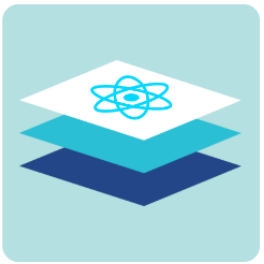
Introduction to React and Storybook.

Examine the basics of React's component model, including class declaratio...

React: The Component model.

Examine the core aspects of the component model, including state, hooks, an...

Navigation & Design Patterns

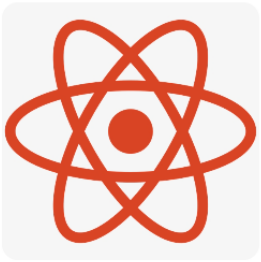


Adding navigation to React. Design Patterns for React Apps.

Patterns & Navigation (Contd.).

Explore some more navigation features available in React Router...

React App Design



Explore the Thinking in React methodology.

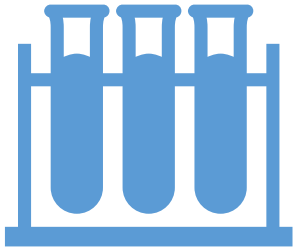
Data Fetching & Caching.

Improve app performance with Caching in the management of server-...

Assessment.

Module's assessment requirements.

Assessment

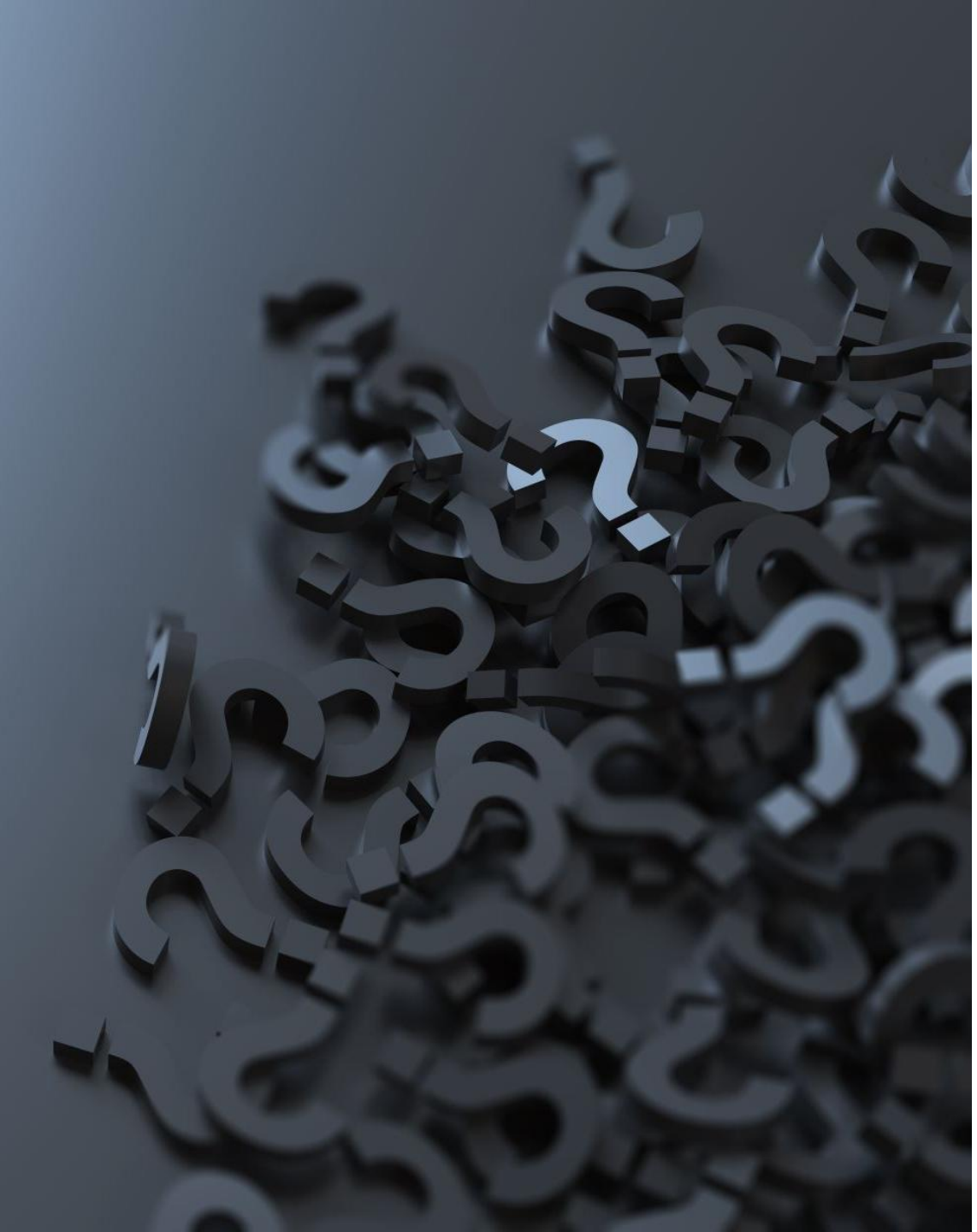


Labs 40%

Submit at end of term

Assignment/Project 60%

Submit August.



Questions???