Full Stack Web Development 2

Overview

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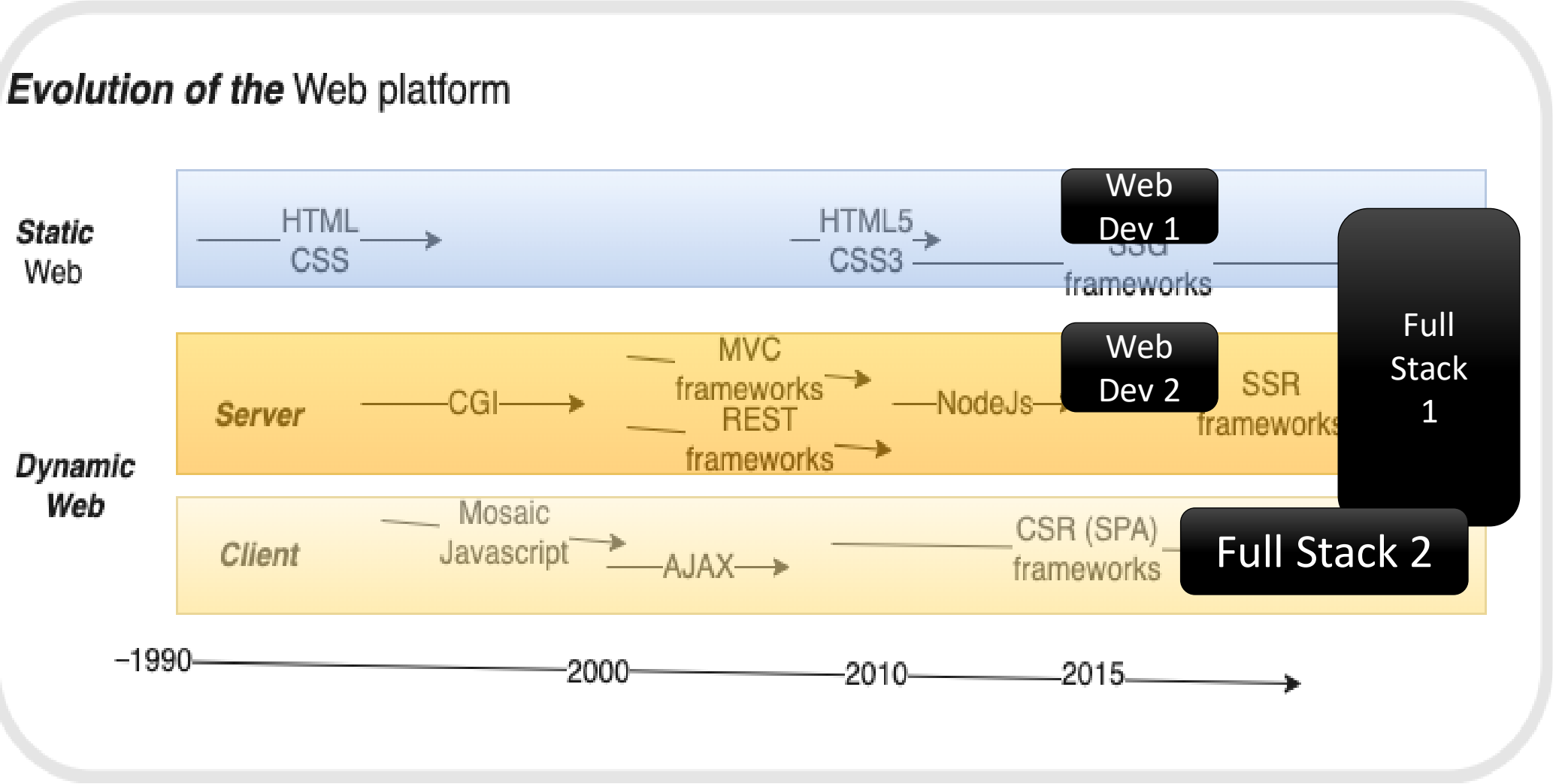
Jan 2024

Context

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

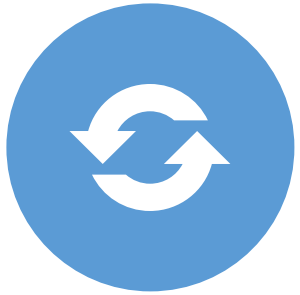


Full Stack Development 2

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

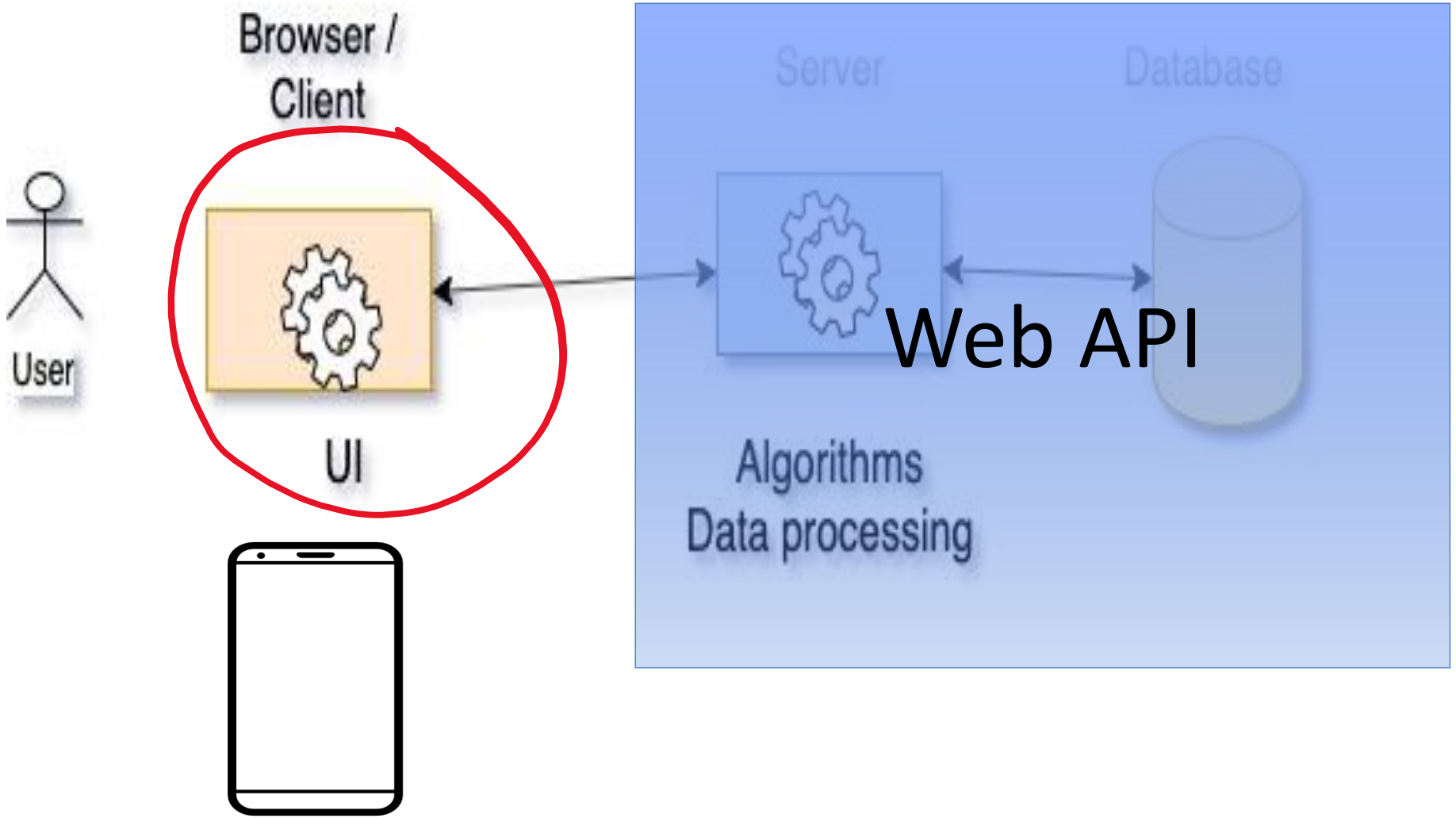
2.5 Credit Module

5 weeks in June

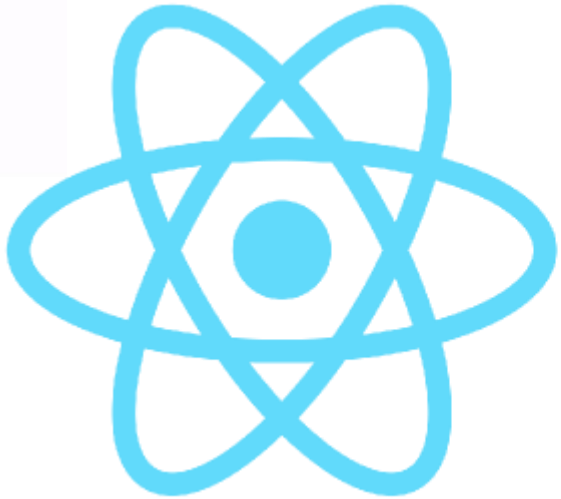


100% Continuous Assessment

Full Stack Dev 2



Industry Standard Frameworks



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:

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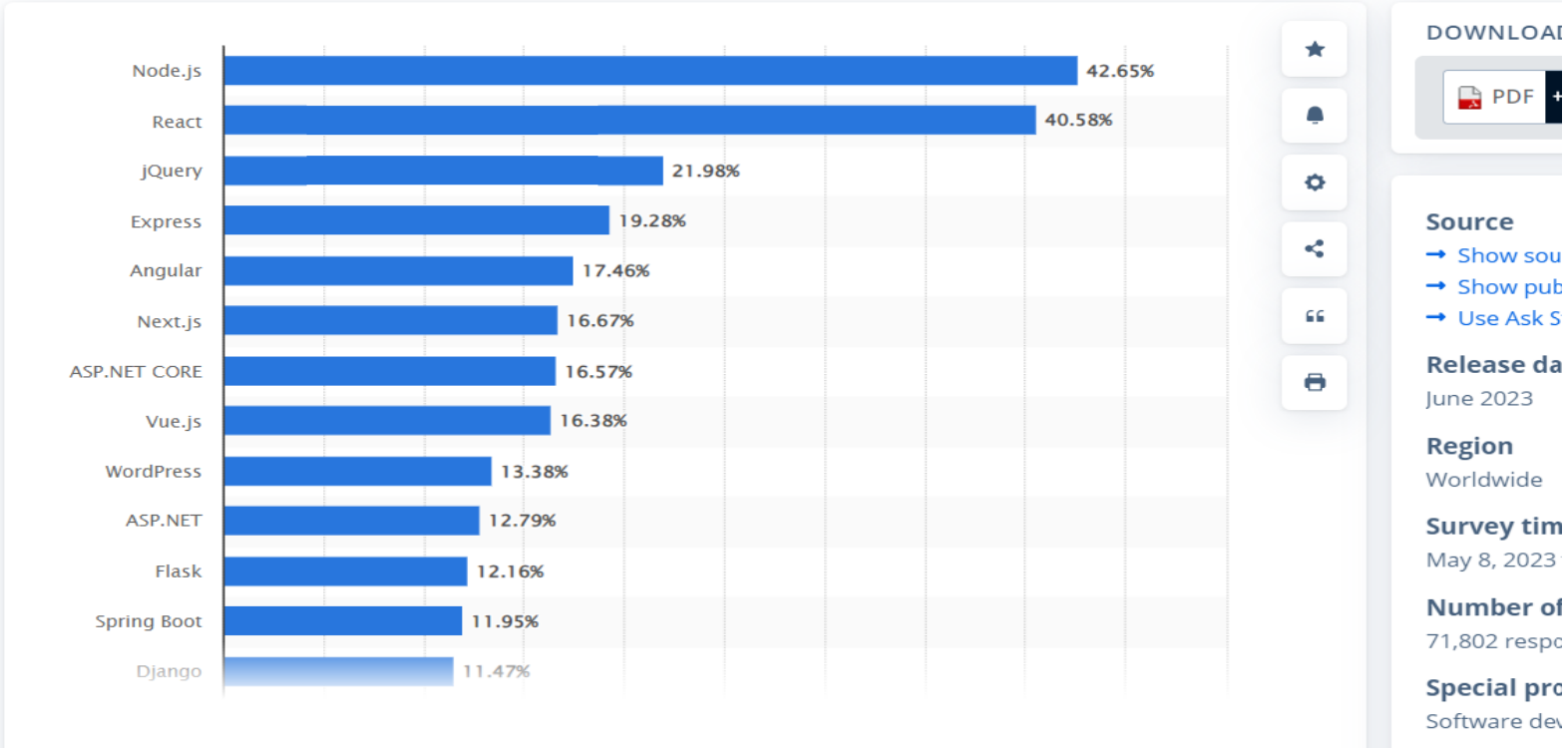
Most used web frameworks among developers worldwide, as of 2023



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May 8, 2023

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Software dev

Indicative Content…

Full Stack Web …

Module overview,

A look at the context for this module.

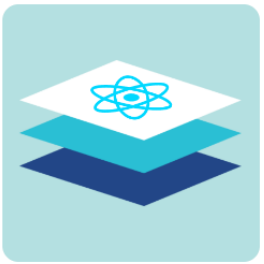
Introduction to React and Storybook.

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.

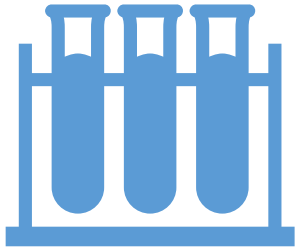
Data Fetching & Caching.

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

Assessment.

Module's assessment requirements.

Assessment

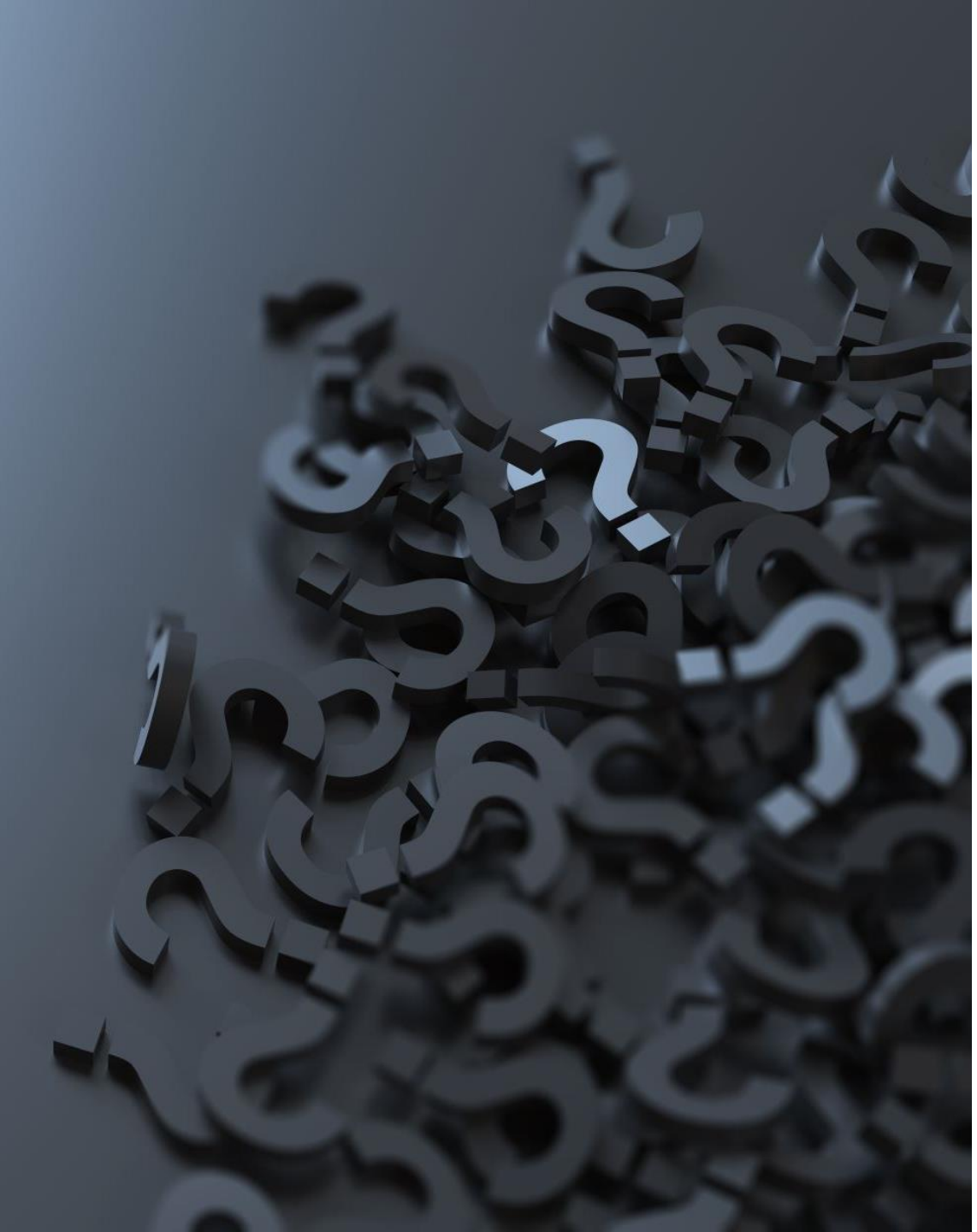


Labs 40%

Submit at end of term

Assignment/Project 60%

Submit mid/end August.



Questions???