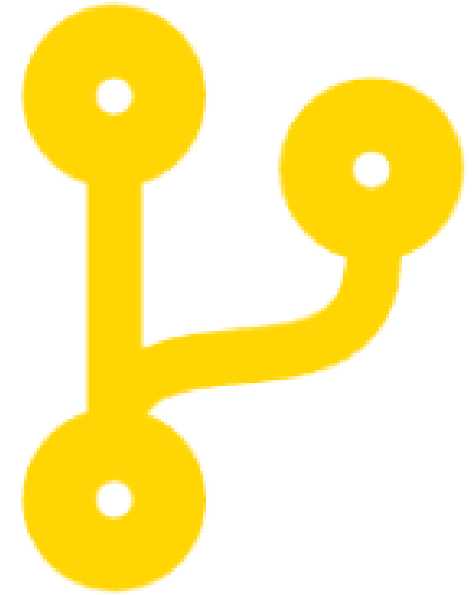# Full Stack Web Development 2

Overview

*Frank Walsh*

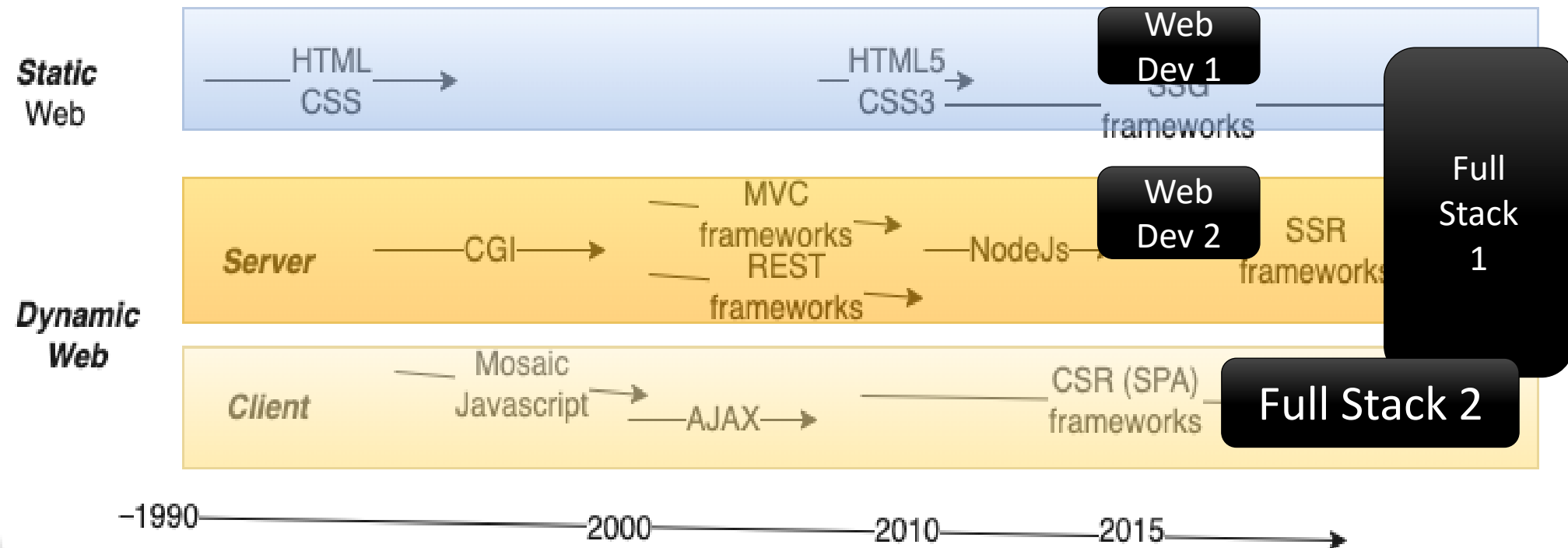*Jan 2025*



Full Stack Web Development 2

javascript · SPA · react · APIs · front-end

# Context

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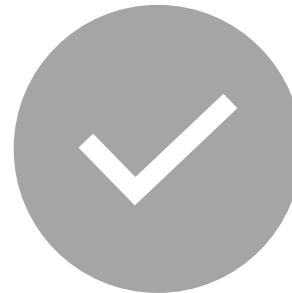SSR (Server-side rendering)
CSR (Client-side rendering)

**Evolution of the** Web platform

**Static** Web

HTML
CSS

HTML5
CSS3

Web Dev 1

SSG frameworks

**Dynamic** Web

**Server**

CGI

MVC frameworks
REST frameworks

Web Dev 2

NodeJs

SSR frameworks

Full Stack 1

**Client**

Mosaic
Javascript

AJAX

CSR (SPA) frameworks

Full Stack 2

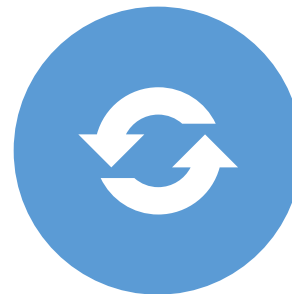−1990 —— 2000 —— 2010 — 2015

# Full Stack Development 2

*"Design and implement (performant) client-side rendering web apps using industry-standard frameworks and tools."*
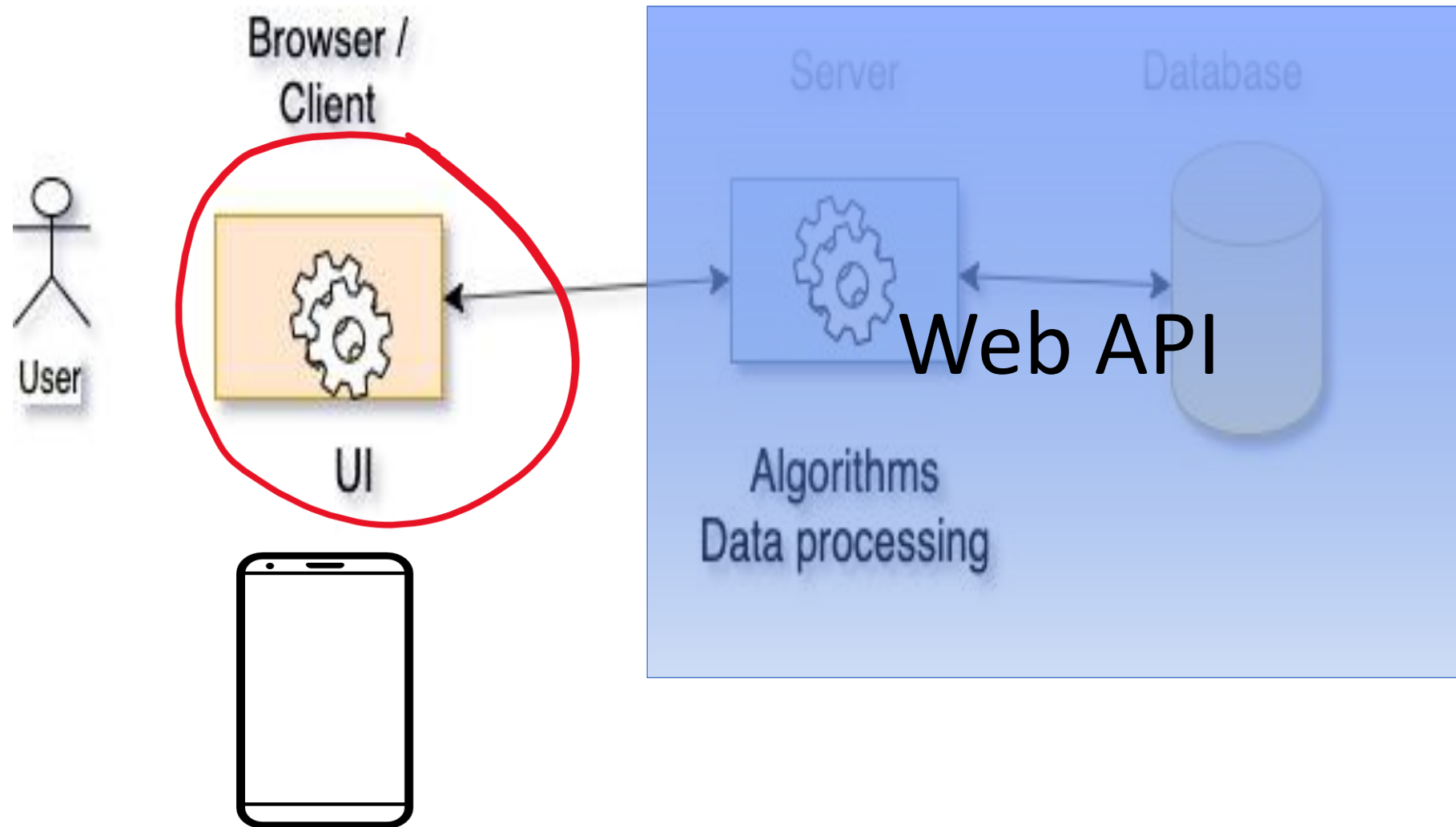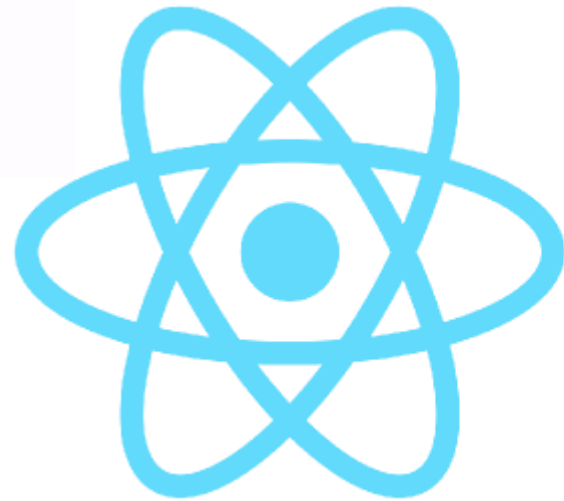
2.5 Credit Module

*5 weeks in June*

*100% Continuous Assessment*

# Full Stack Dev 2
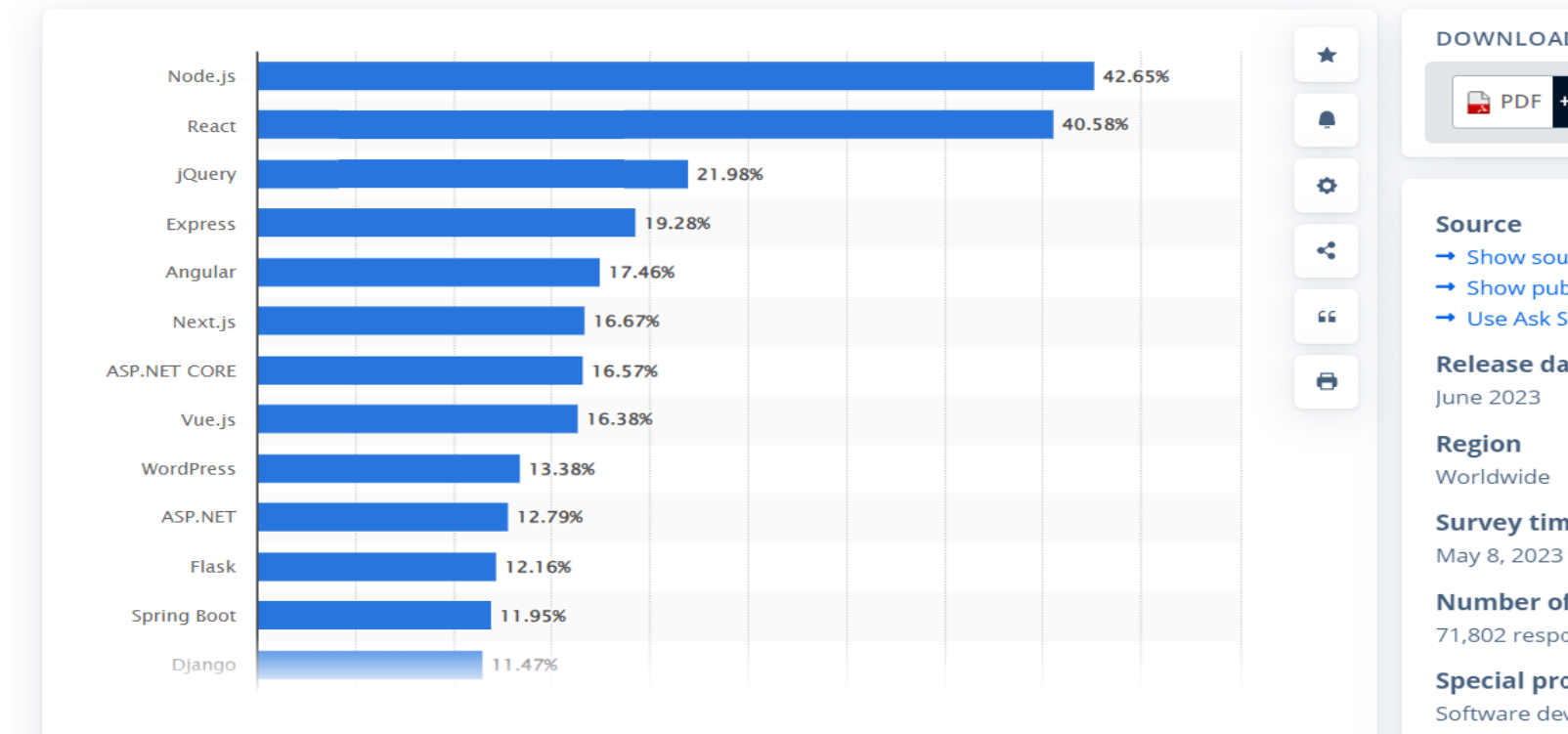
# Industry Standard Frameworks

# Why React?

**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

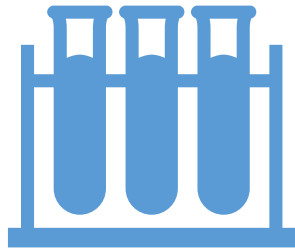## Most used web frameworks among developers worldwide, as of 2023

| Framework | Percentage |
|-----------|------------|
| Node.js | 42.65% |
| React | 40.58% |
| jQuery | 21.98% |
| Express | 19.28% |
| Angular | 17.46% |
| Next.js | 16.67% |
| ASP.NET CORE | 16.57% |
| Vue.js | 16.38% |
| WordPress | 13.38% |
| ASP.NET | 12.79% |
| Flask | 12.16% |
| Spring Boot | 11.95% |
| Django | 11.47% |

DOWNLOAD

PDF

**Source**
→ Show sou
→ Show pub
→ Use Ask S

**Release da**
June 2023

**Region**
Worldwide

**Survey tim**
May 8, 2023

**Number of**
71,802 respo

**Special pro**
Software dev

# Indicative Content…

# Assessment



## Labs 40%

Submit at end of term



## Assignment/Project 60%

Submit August.

Questions???