H. Dip. In Computer Science (Online)
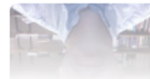
Full Stack Development 2

Overview

Diarmuid O' Connor (doconnor@wit.ie)
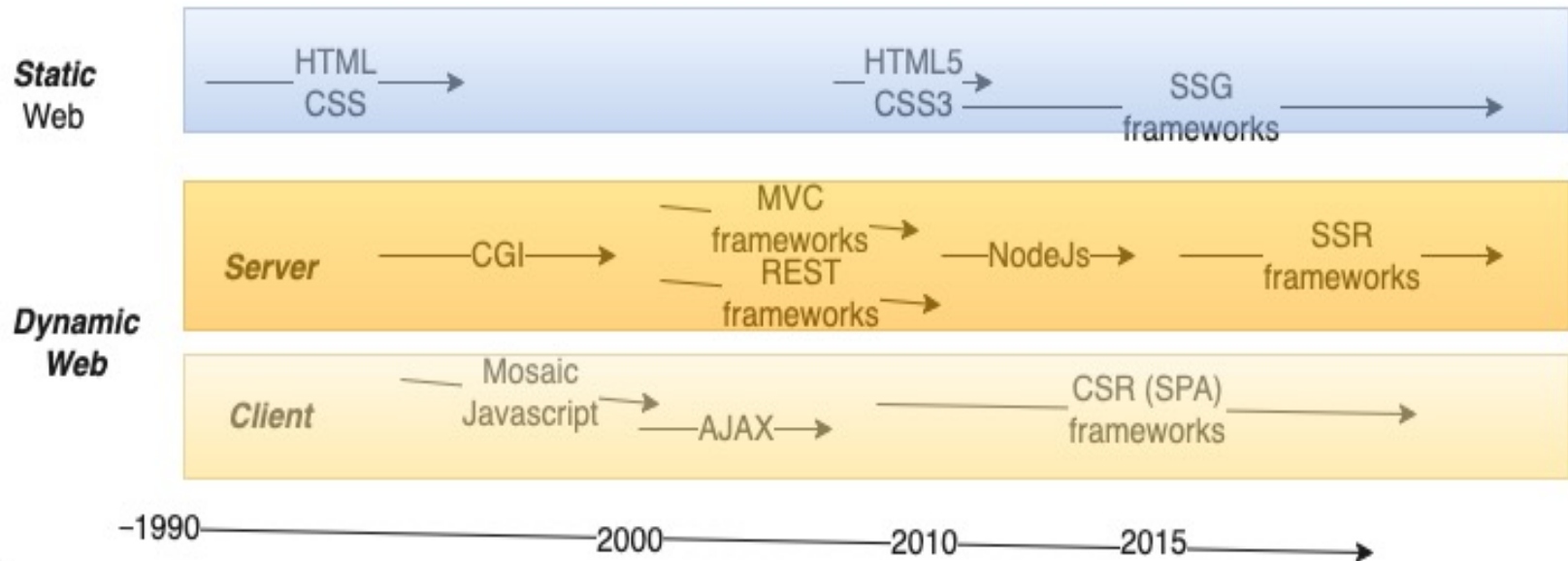
Diarmuid (WIT Lecturer)
Diarmuid O Connor

Context

Evolution of the Web platform

Context

Evolution of the Web platform

|			
Static Web	HTML CSS →	Web Development 1	SSG frameworks
Dynamic Web	**Server** → CGI →	MVC frameworks / REST frameworks	Web Dev 2	Full Stack Development 1
	Client	Mosaic Javascript → AJAX →	Full Stack 2	SSR (SPA) frameworks

-1990 — 2000 — 2010 — 2015 →
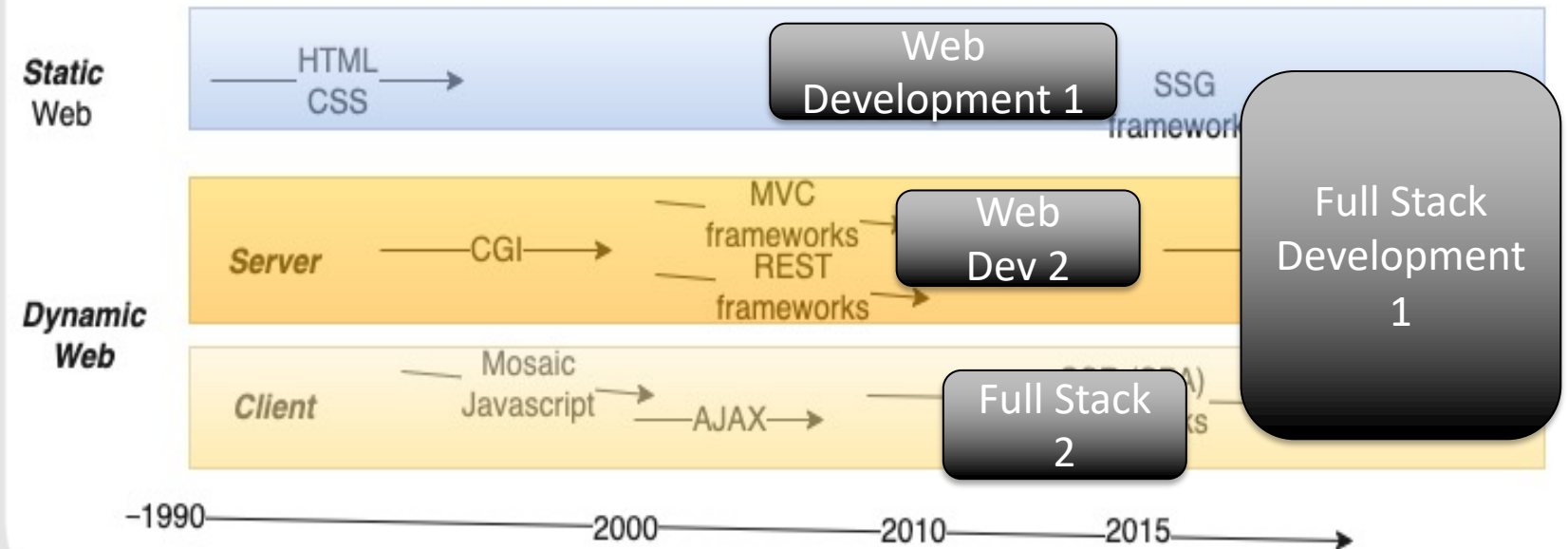
Web App Development (2023).

- Model options:
  1. CSR (Client-side rendering)
  2. SSR (Server-side rendering)
  3. SSG (Static site generator)

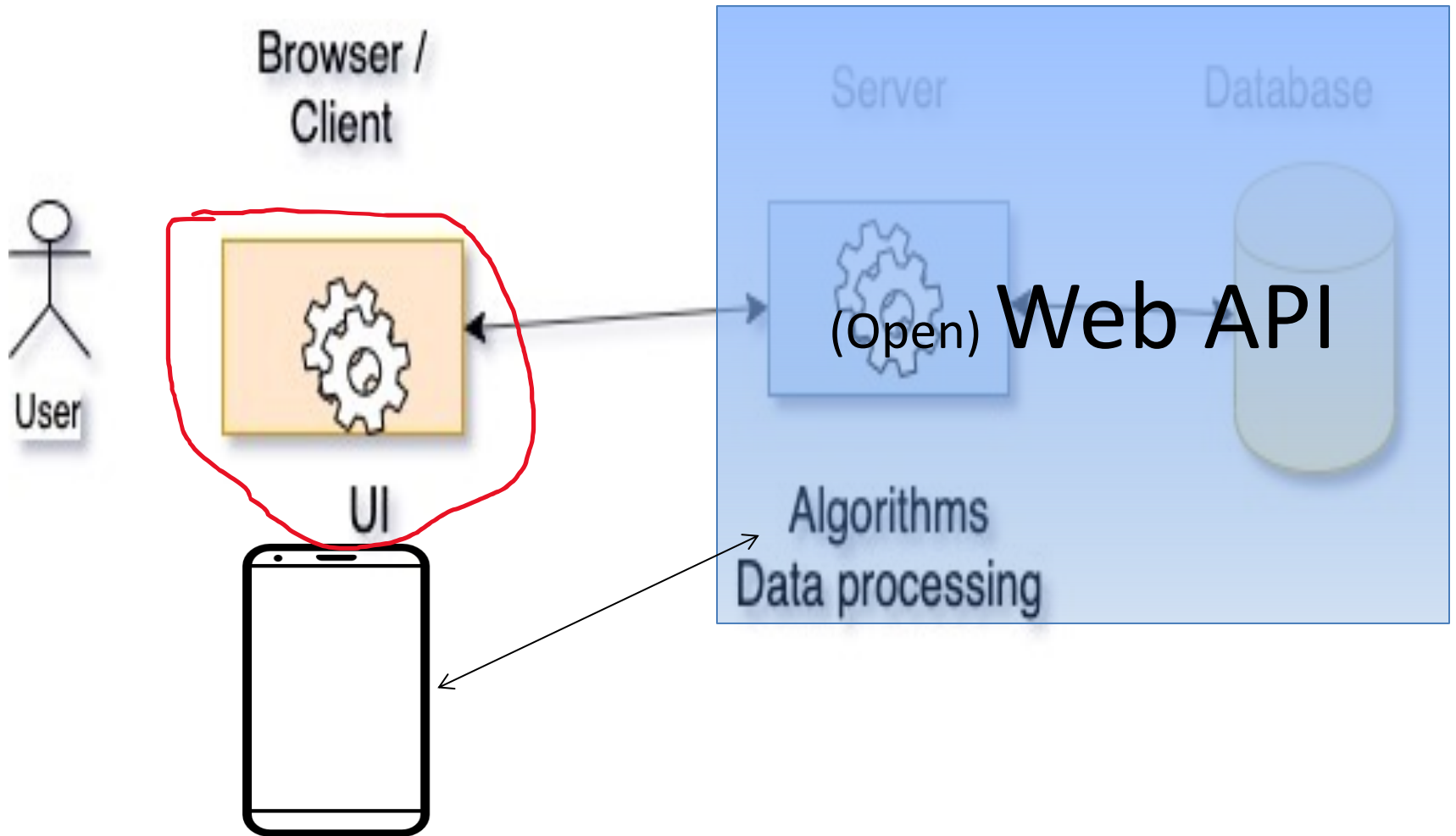# Web App Architecture – **Server-Side** Rendering (SSR)
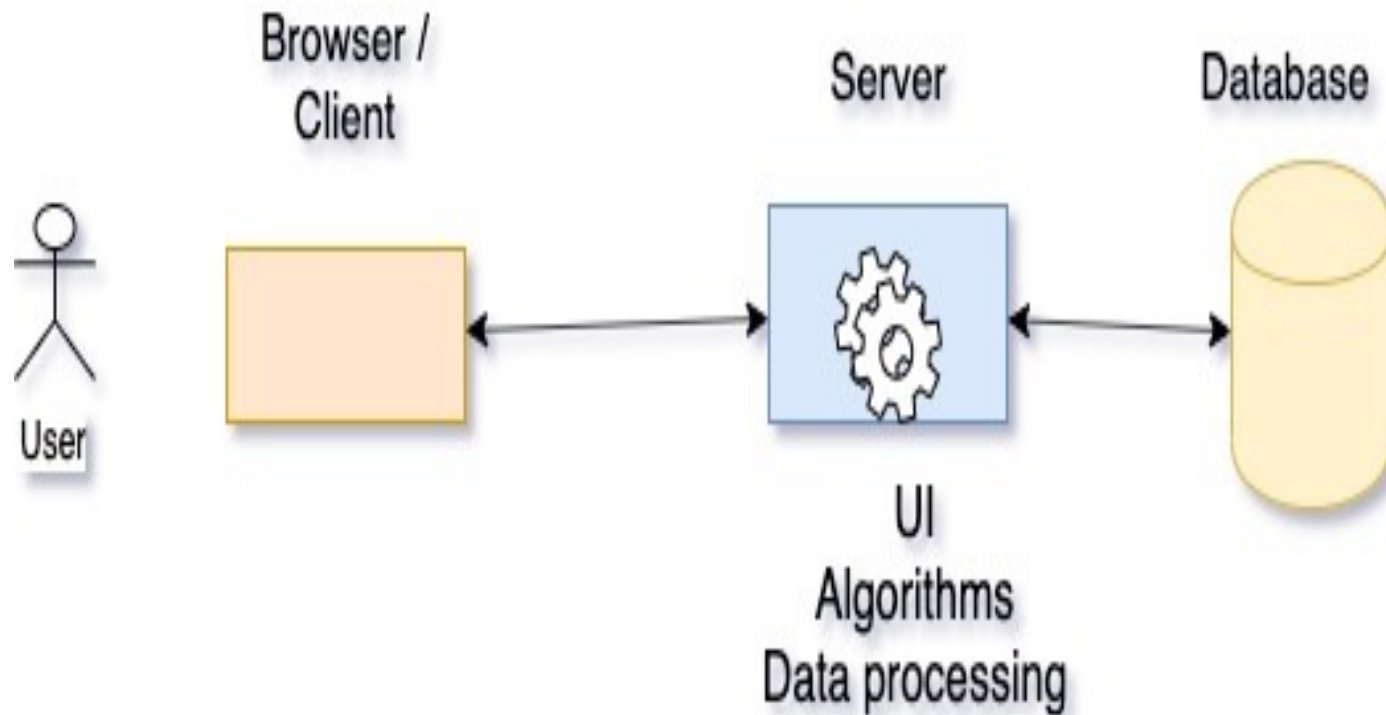
Web App Architecture – **Client-Side** Rendering (CSR)
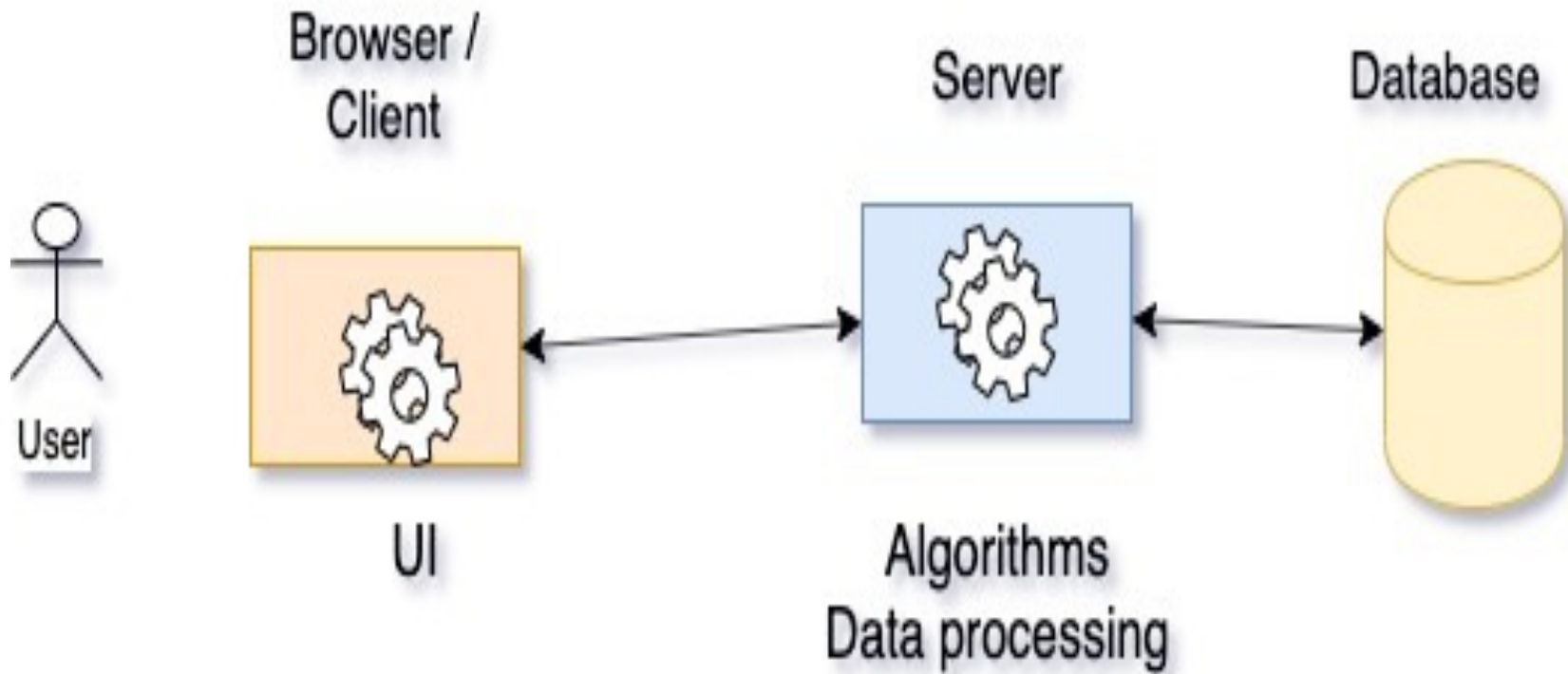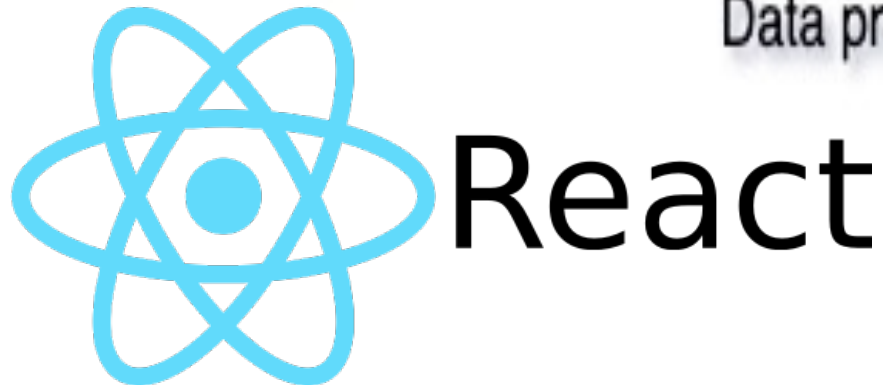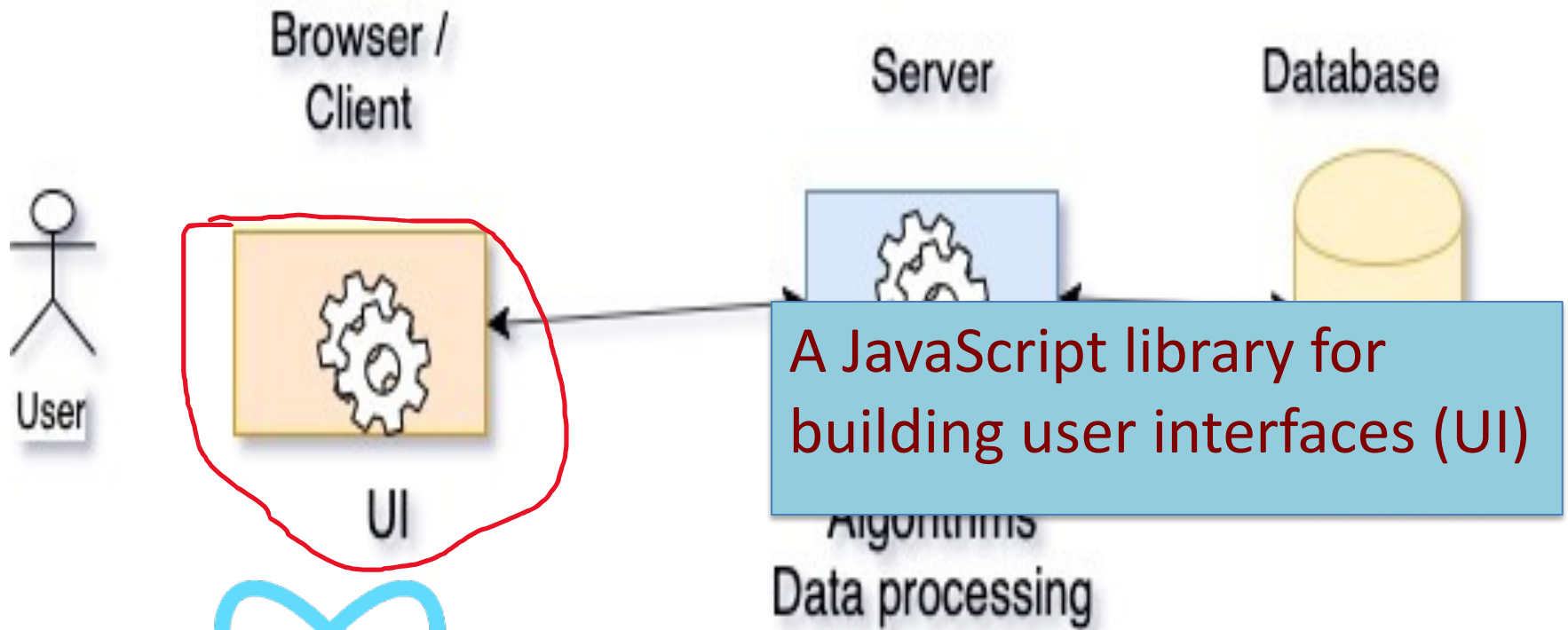
Full Stack Development 2

- Design and implement (performant), client-side rendering web apps using industry-standard frameworks and tools.
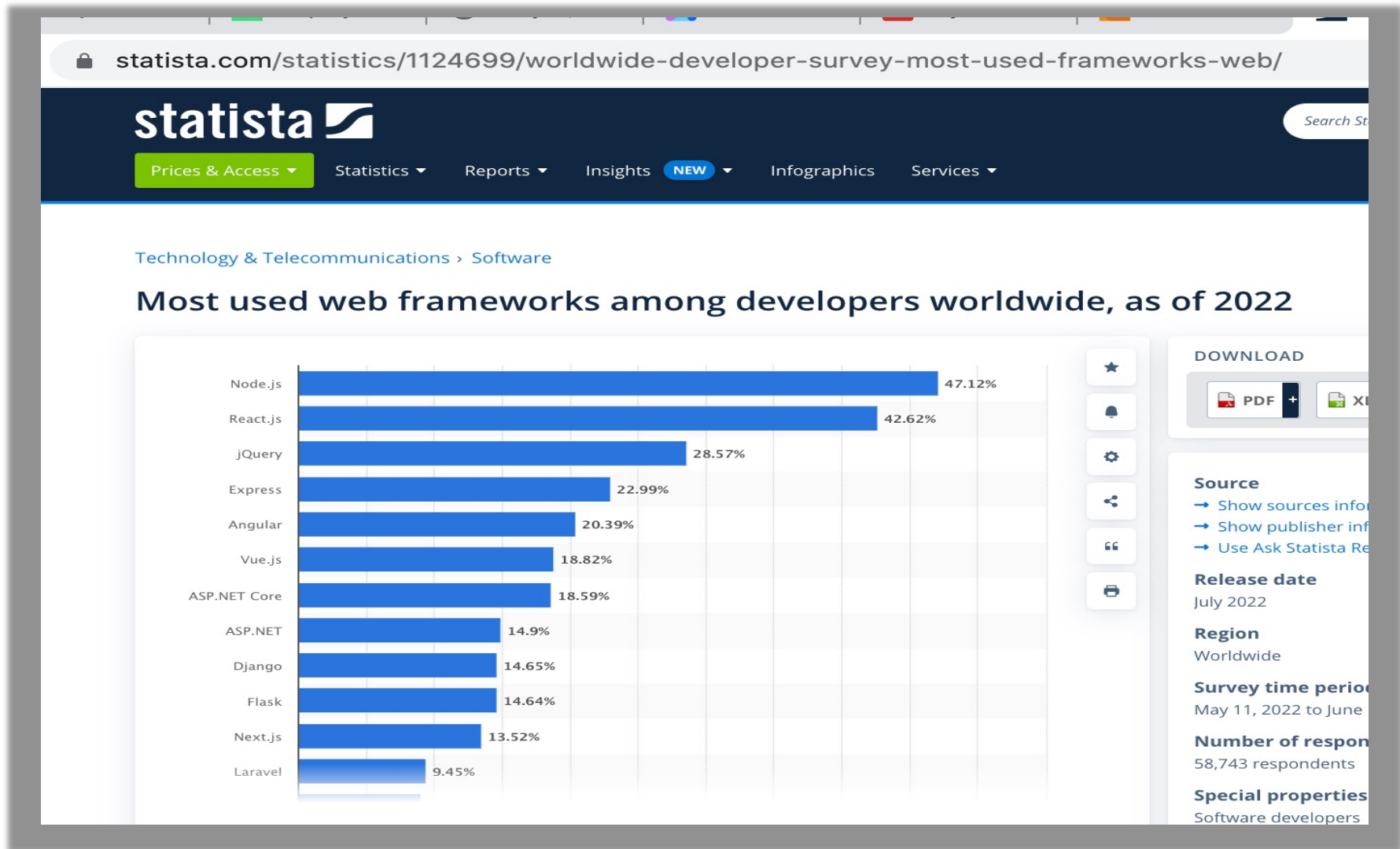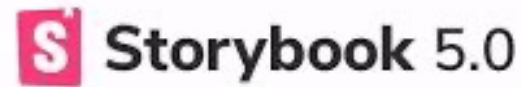
Full Stack Development 2

Browser / Client

User

UI

Server

Database

(Open) Web API

Algorithms
Data processing

Industry-standard Frameworks

Industry-standard Frameworks.

Industry-standard Tools.
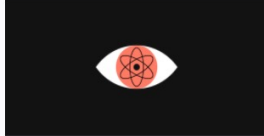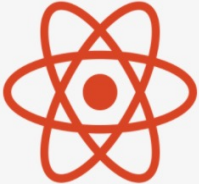
Table of Content (Last year)

React is a gateway

What's trending now?

- Islands Architecture.

Assessment

- Lab work.
  - 1 submit.
  - End of term.
  - 40 %
- Assignment/Project.
  - Submit mid-August.
  - 60 %

Questions?