



Waterford Institute of Technology  
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

## *H. Dip. In Computer Science (Online)*

# ICT Skills 2

## Overview

Diarmuid O' Connor ([doconnor@wit.ie](mailto:doconnor@wit.ie))

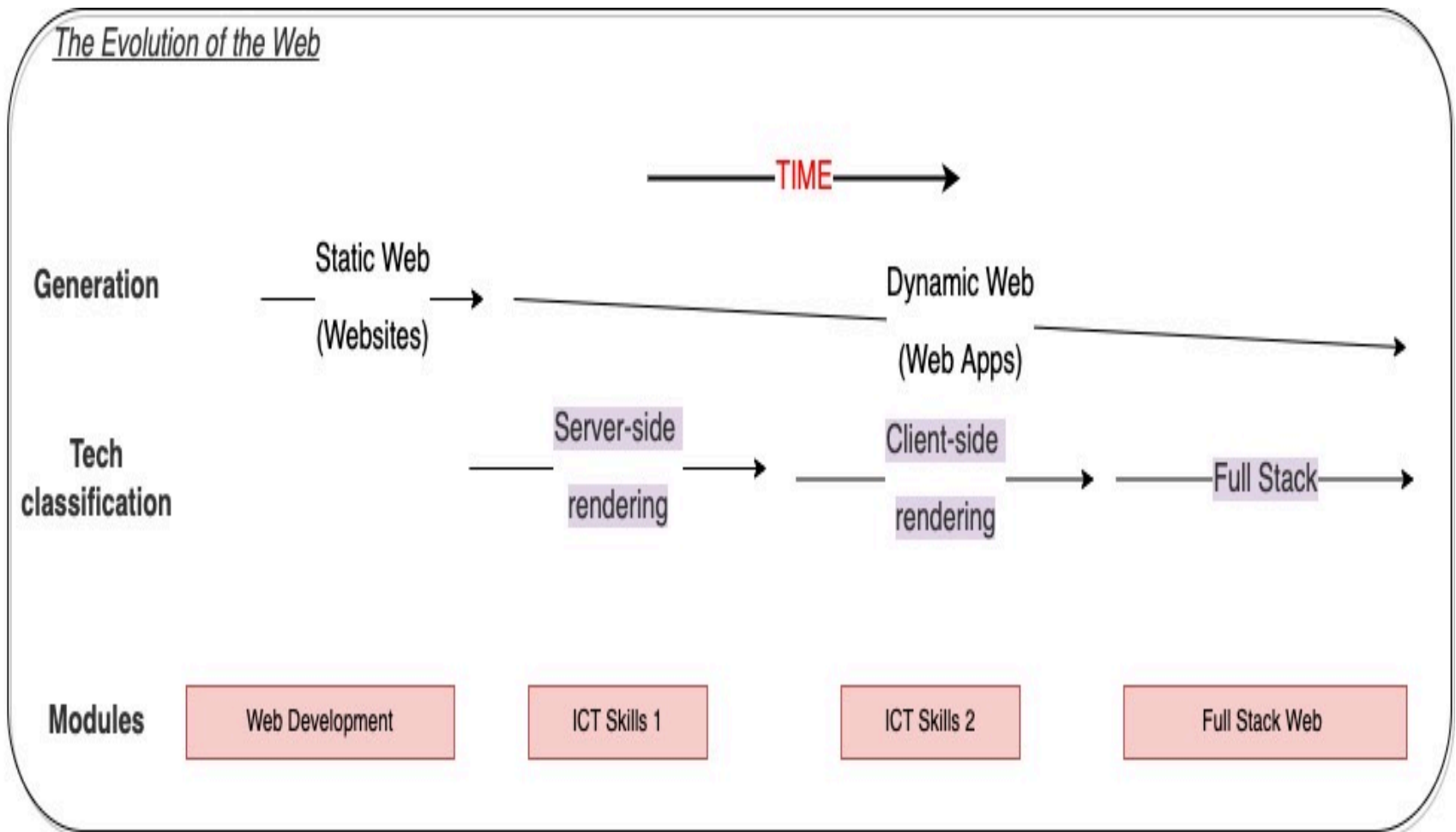


Diarmuid (WIT Lecturer) ●  
Diarmuid O Connor



Diarmuid O Connor

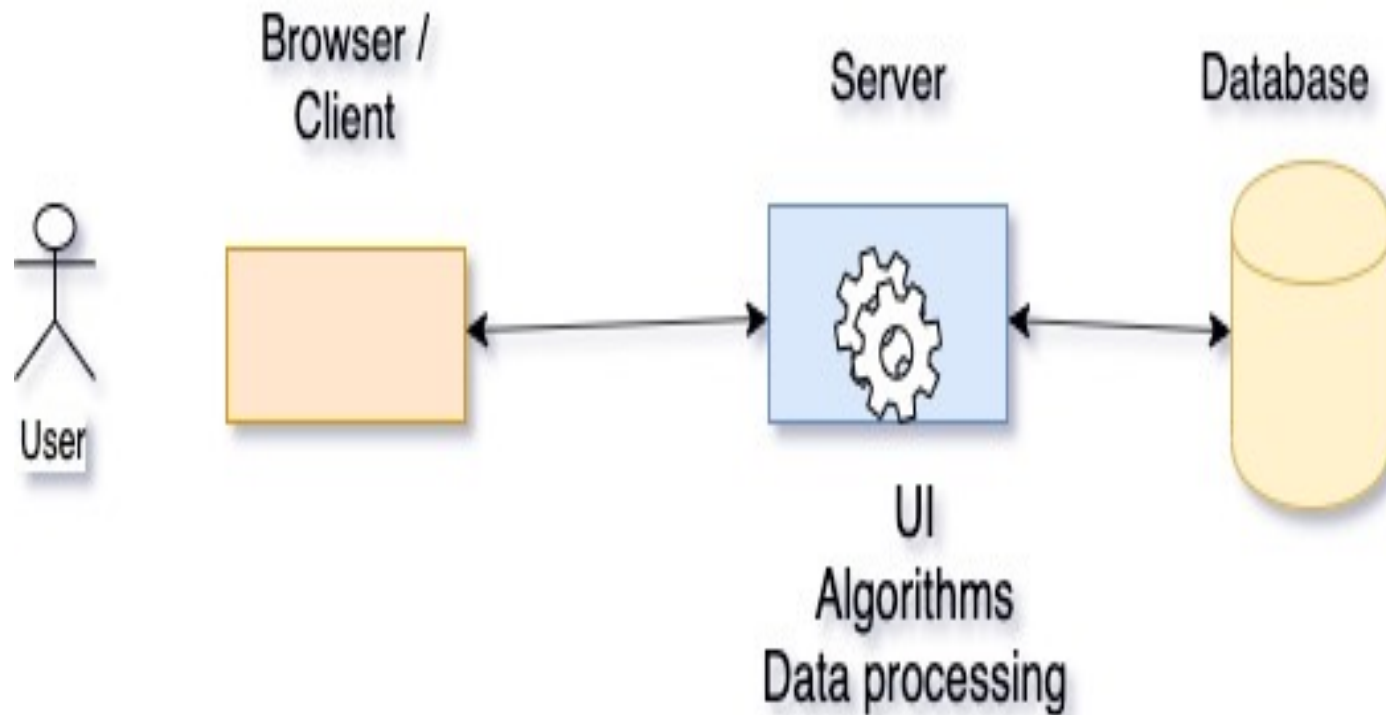
# Context.



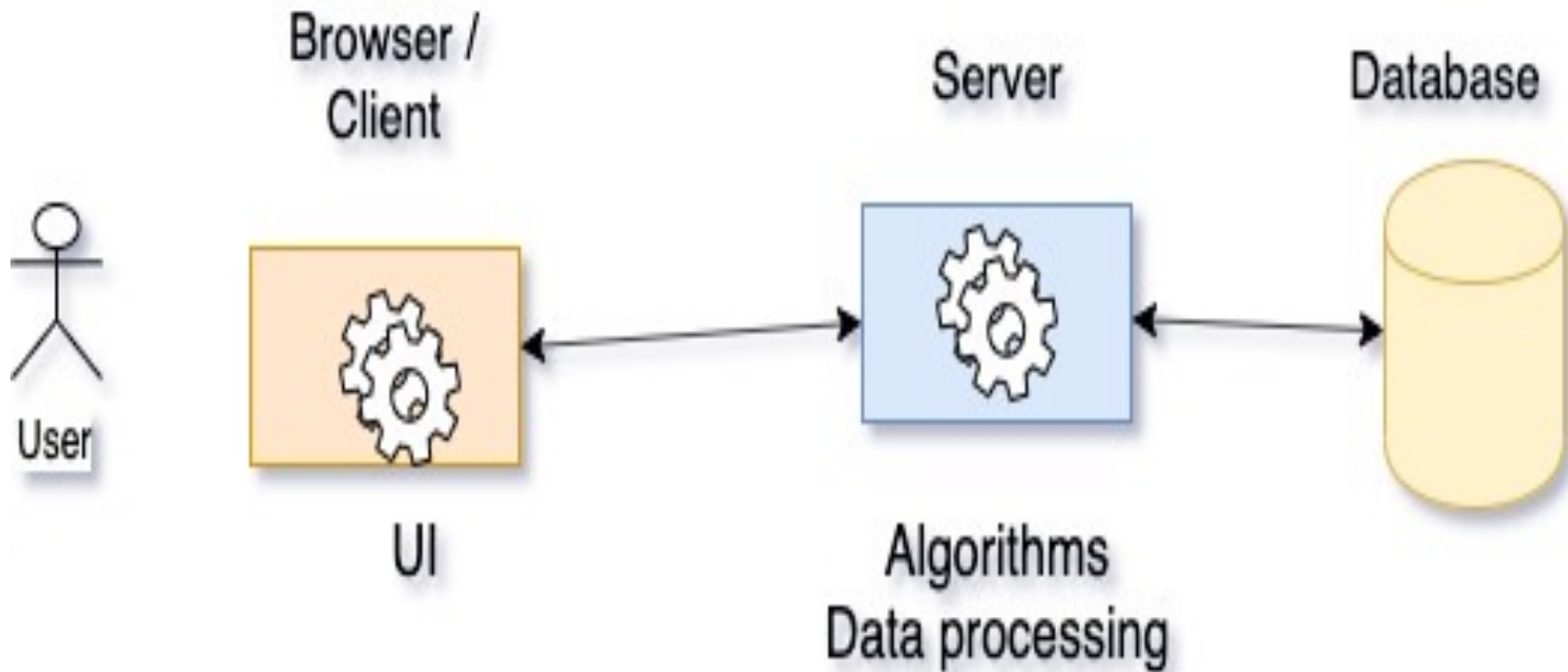
# Objective (Learning outcome).

- Design and implement performant, client-side rendering web apps using industry-standard frameworks and tools.

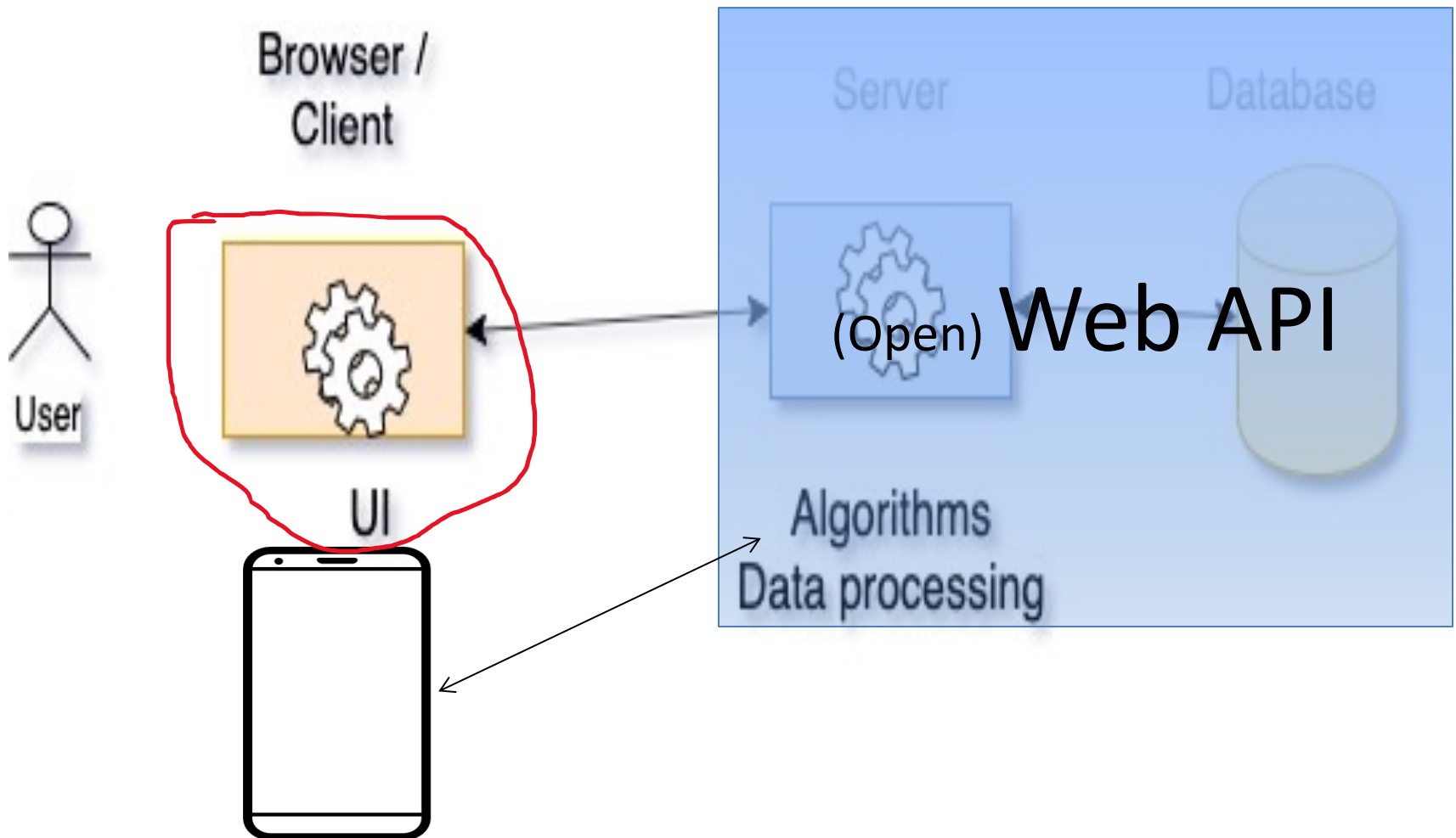
# Web Apps Architecture – Server-Side Rendering (SSR)



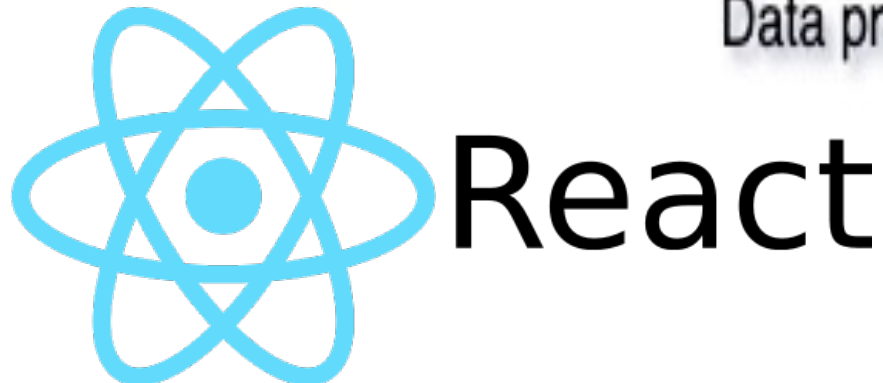
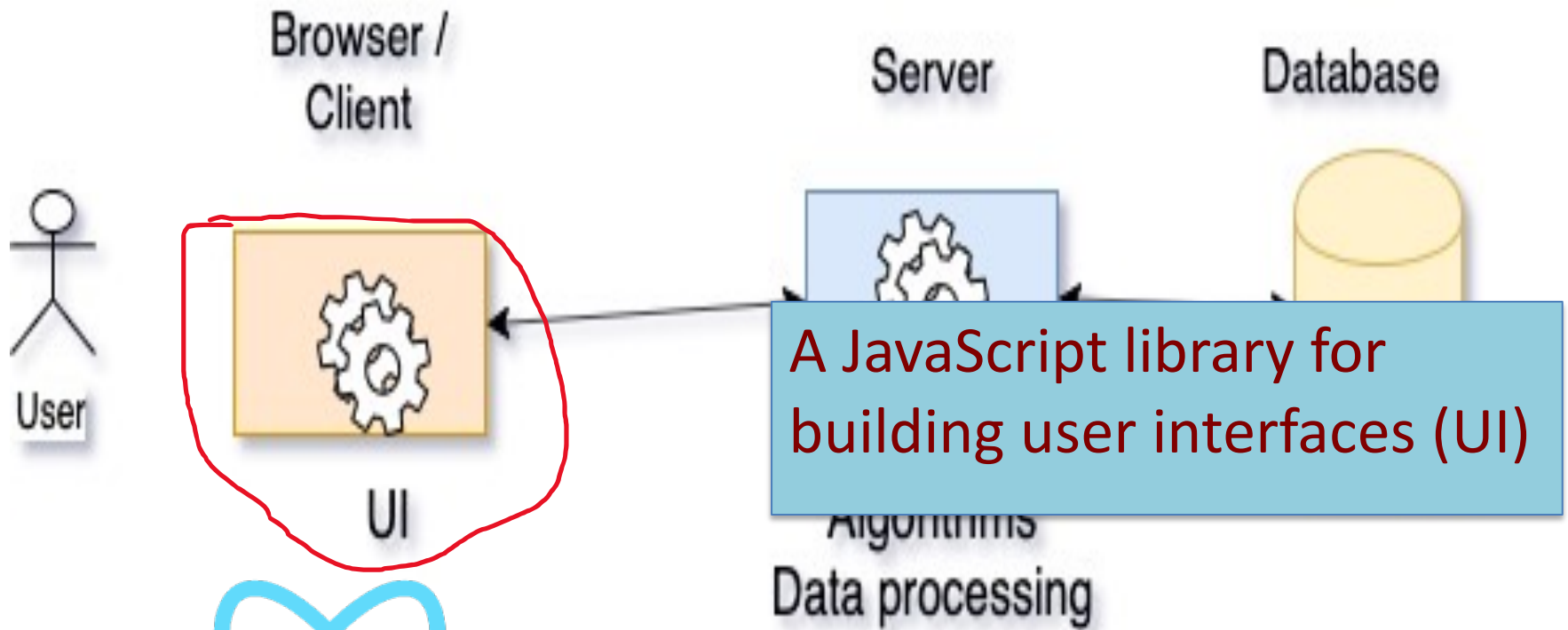
# Web Apps Architecture – Client-Side Rendering (CSR)



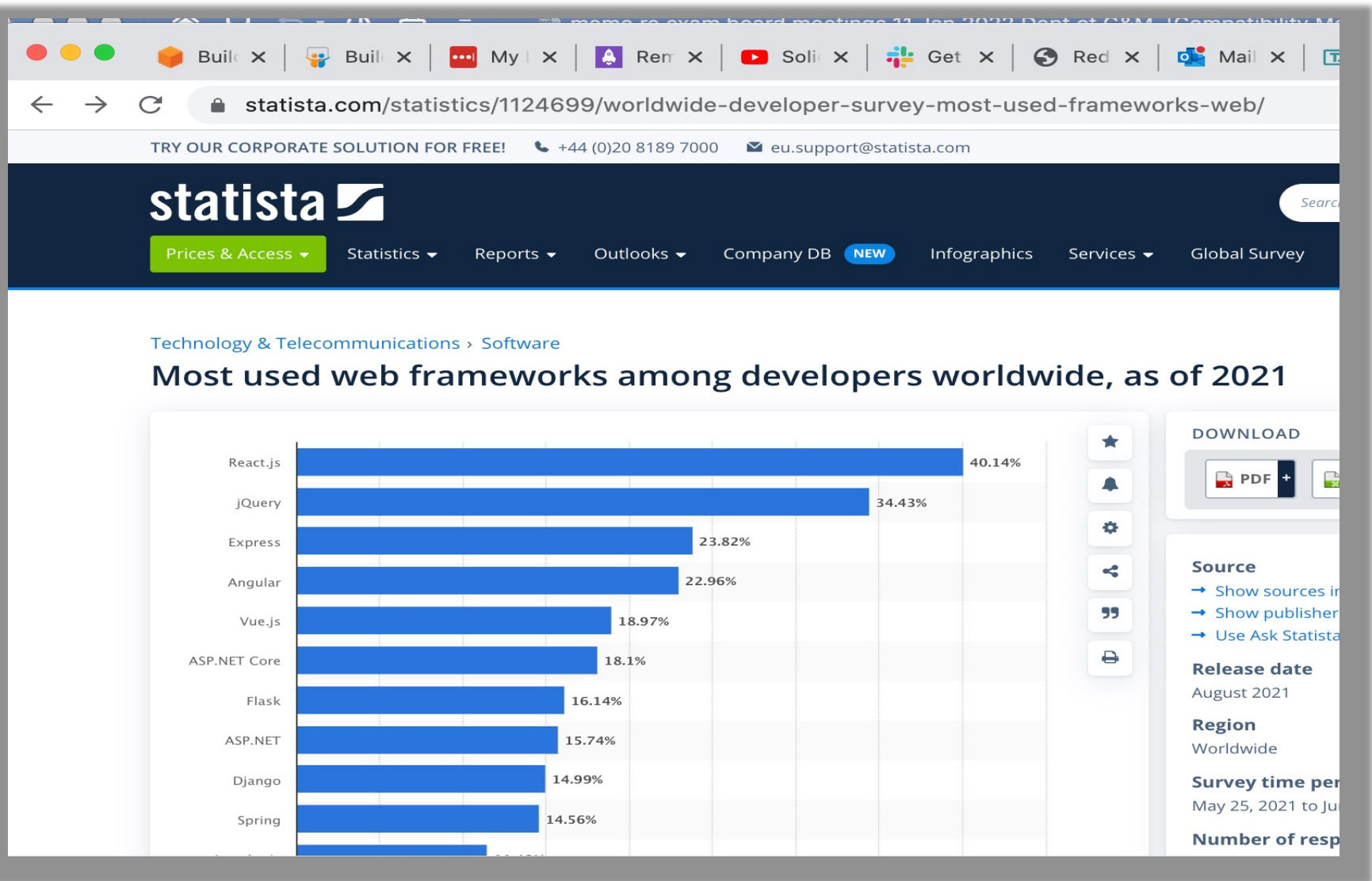
## ICT Skills 2



# Industry-standard Frameworks

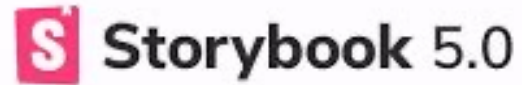


# Industry-standard Frameworks.






# Industry-standard Tools.












Visual Studio Code



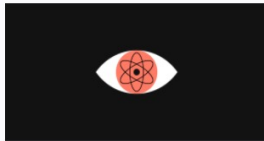

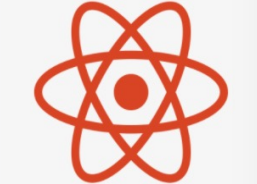




# Table of Content (Last year)

 Skills Studio 2  
Diarmuid O' Connor, WIT



 > Skills Studio 2

<div>Module overview,</div> <div></div> <div>A look at the context for this module.</div>	<div>Introduction to React and Storybook.</div> <div></div> <div>Examine the basics of React's component model, including class...</div>	<div>React: The Component model.</div> <div></div> <div>Examine the core aspects of the component model, including state, hooks,...</div>	<div>Component Lifecycle. Navigation</div> <div></div> <div>Component lifecycle Hooks. Routing configuration. Routing...</div>	<div>React: Design and Routing.</div> <div></div> <div>Explore some more navigation features available in React Router..</div>
	<div>React App Design</div> <div></div>	<div>State Management &amp; Protected Routes.</div> <div></div>	<div>Assessment.</div> <div></div>	

# React is a gateway

NEXT.js



# Assessment

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

Questions?