DOM Manipulation with TypeScript

Understanding DOM Manipulation

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DOM Manipulation with TypeScript

Version Check

Version Check

This course was created by using:

- TypeScript 5.2.2

Version Check

This course is 100% applicable to:

- TypeScript 5.0 and newer

Module Outline

What is DOM manipulation?

What you will learn in this course

Start coding

- Set up your environment
- Explore and run the project
- Manipulate the DOM

What Is DOM Manipulation?

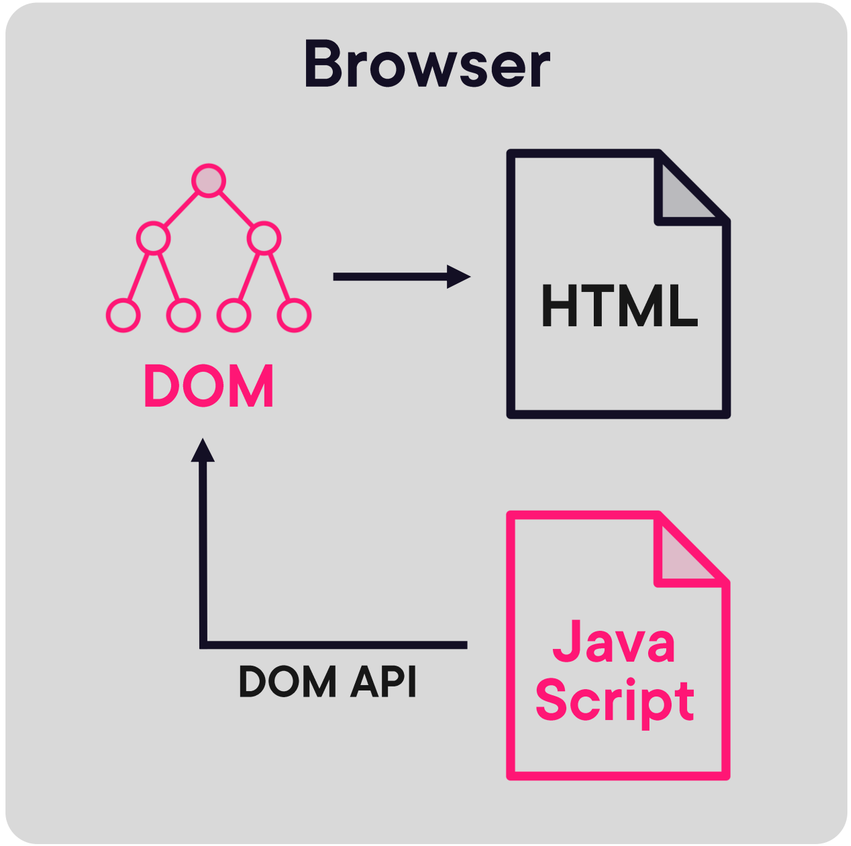
The Document Object Model (DOM)

An object-oriented representation of a web page

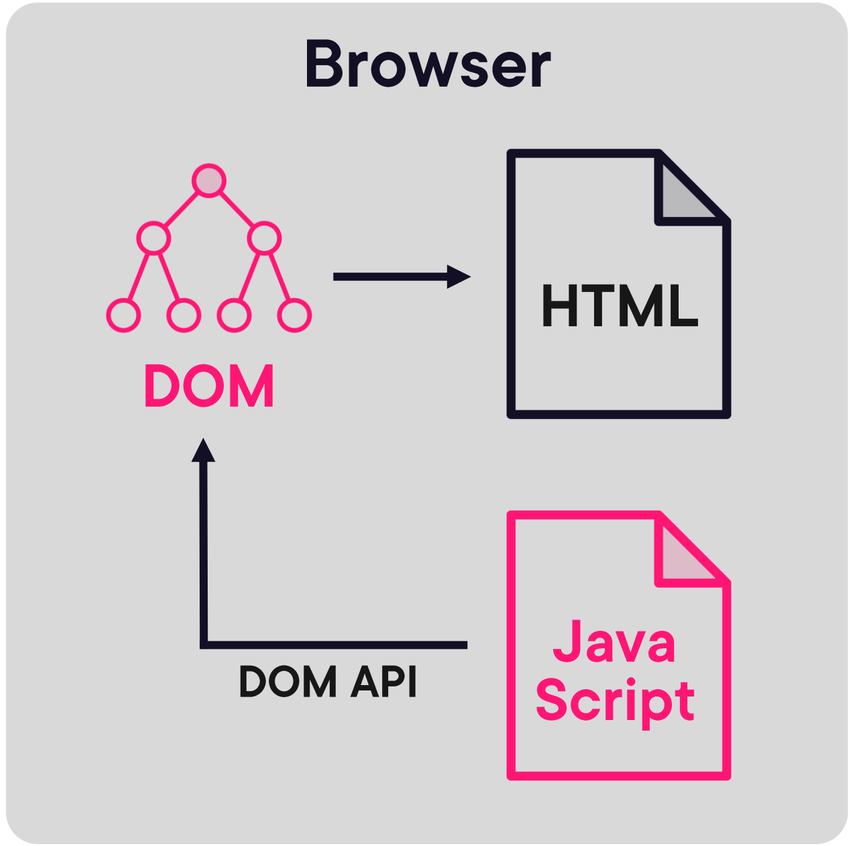
Can be changed with JavaScript

DOM manipulation means that you add, remove, and modify elements on a loaded web page

Understand How DOM Manipulation Works



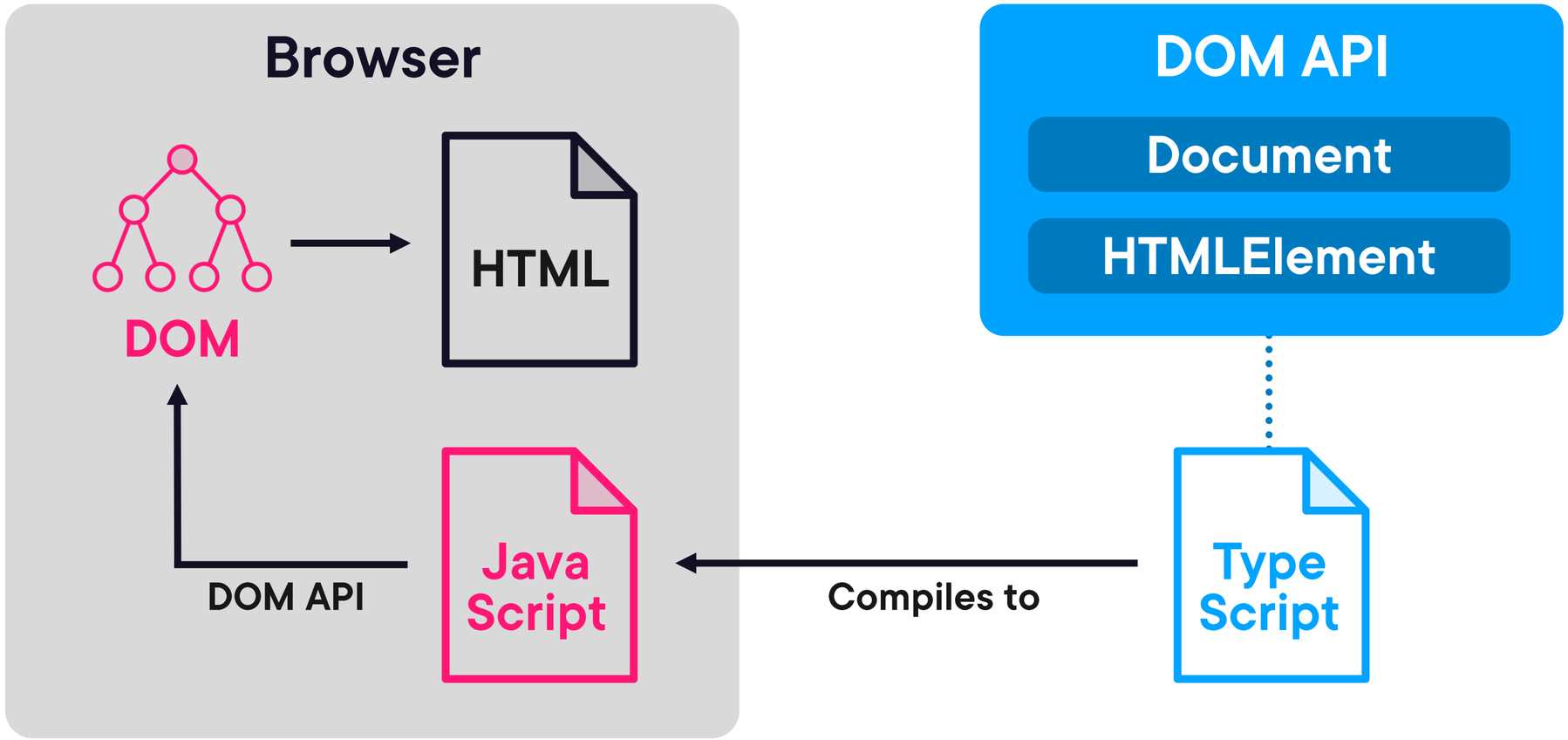
Understand How DOM Manipulation Works



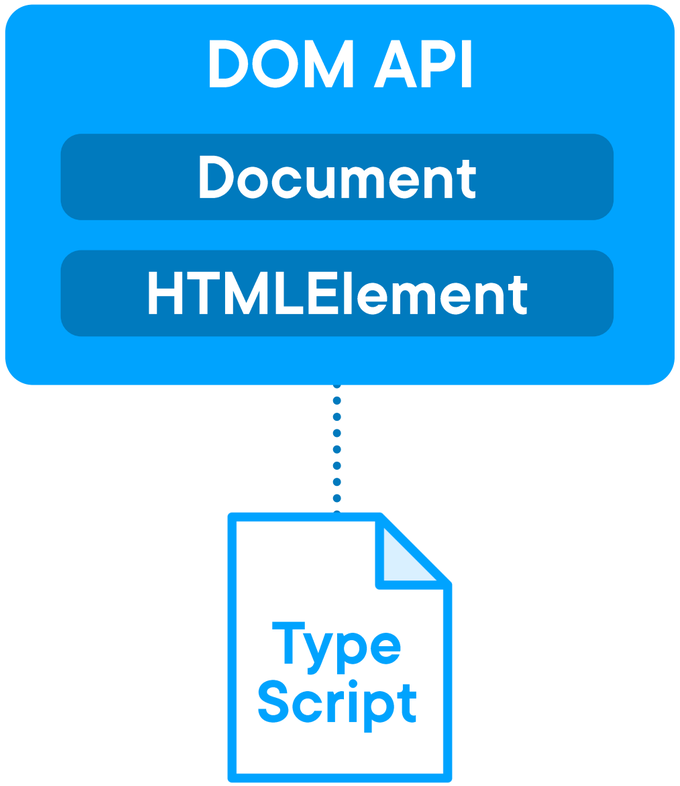
Frontend frameworks use DOM manipulation

- Angular
- React
- Vue.js

Understand How DOM Manipulation Works



What You Will Learn in This Course



What you will learn

Getting started

Explore the DOM data types

Select, create, remove, and change elements

Work on projects of the Wired Brain Coffee company

What You Will Learn in This Course

Work on projects of the Wired Brain Coffee company

Download the code from the course homepage on www.pluralsight.com

Set up Your Environment

Visual Studio Code

https://code.visualstudio.com

Node.js

https://nodejs.org

Demo

Install Node.js

Demo

Explore and run the project

Demo

Manipulate the DOM

Summary

DOM stands for Document Object Model

- Object-oriented representation of a web page

Manipulate the DOM with JavaScript

- Use the DOM API
- Allows you to add, remove, and change elements

TypeScript comes with type definitions for the DOM

Up Next:

Exploring the DOM Data Types