

Course Overview



Full Stack Web Development

Agenda

- Prerequisites
- Module Overview
- Components
- References



Perquisites

- Intermediate level skills in:
 - **HTML:** Ability to effectively structure the html content of a small to medium static site, including the use of templates
 - **CSS:** Understand the fundamentals of CSS, and be able to realise simple layouts and designs. Be comfortably using a CSS framework
 - **Javascript:** Be familiar with the building blocks of the language and be able to compose realise algorithms to accomplish simple tasks.



- **Web Applications:** Have experience building simple web applications, including the the fundamentals of templating, Model View Controller patterns, sessions & the basics of application deployment

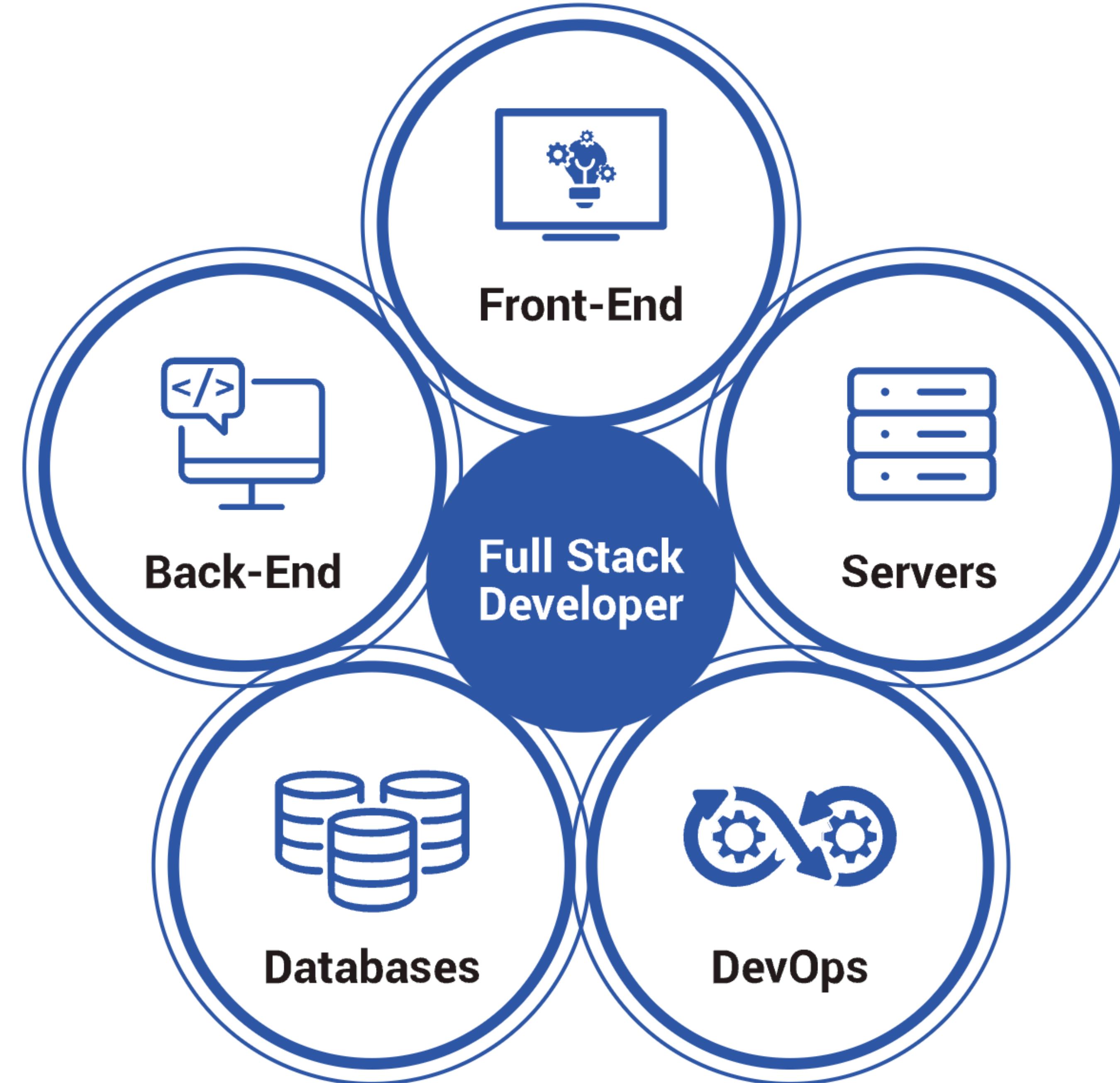
Back End Web
Development

Test Driven
Development

Application
Programmer
Interfaces

Front End Web
Development

Full Stack



Core
Concepts

Back End Web Development

Test Driven Development

Application Programmer Interfaces

Front End Web Development

Full Stack

Core
Concepts

The image shows a horizontal row of five cards, each representing a different aspect of back-end web development. Each card has a green header bar with a white icon and the title. Below the title is a large, stylized logo for the respective technology. A brief description is provided at the bottom of each card.

- 01: Node** The fundamentals of Node. A first Node application.
- 02: Hapi.js** The Hapi application Framework
- 03: Joi** Validation with Joi
- 05: Models** Incorporate Mongo Models

Back End Web Development

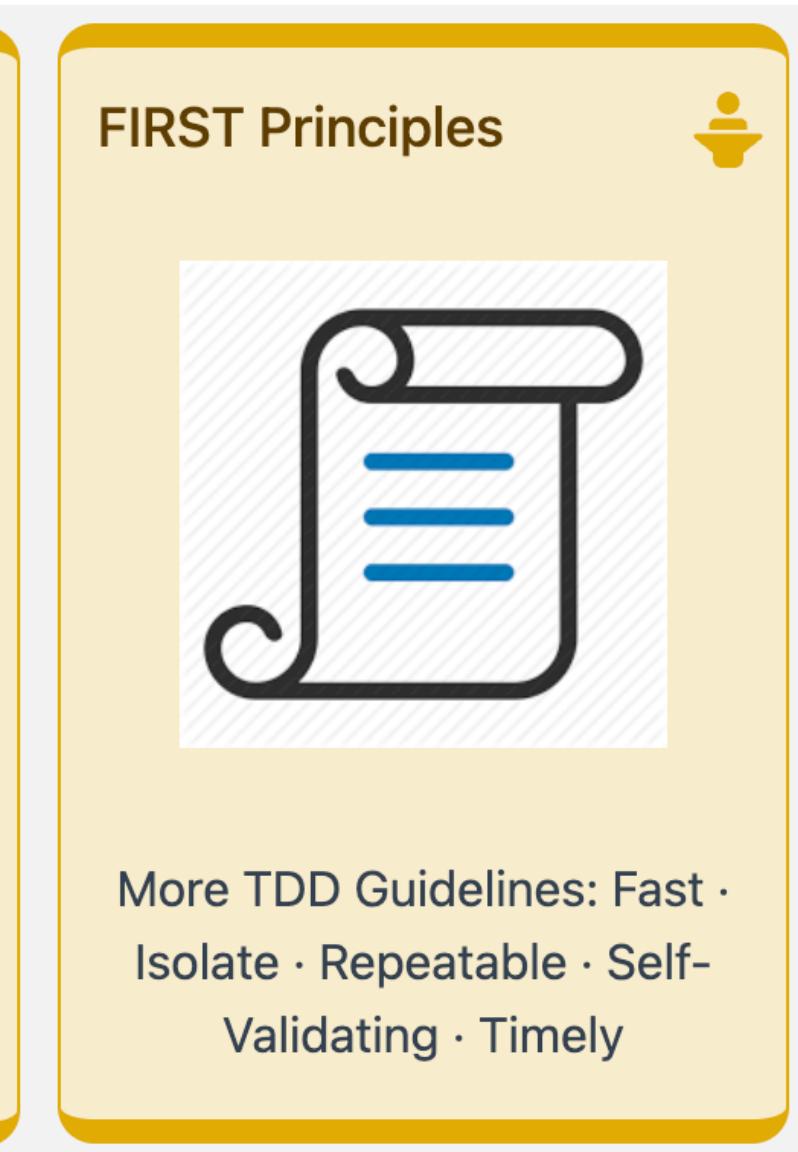
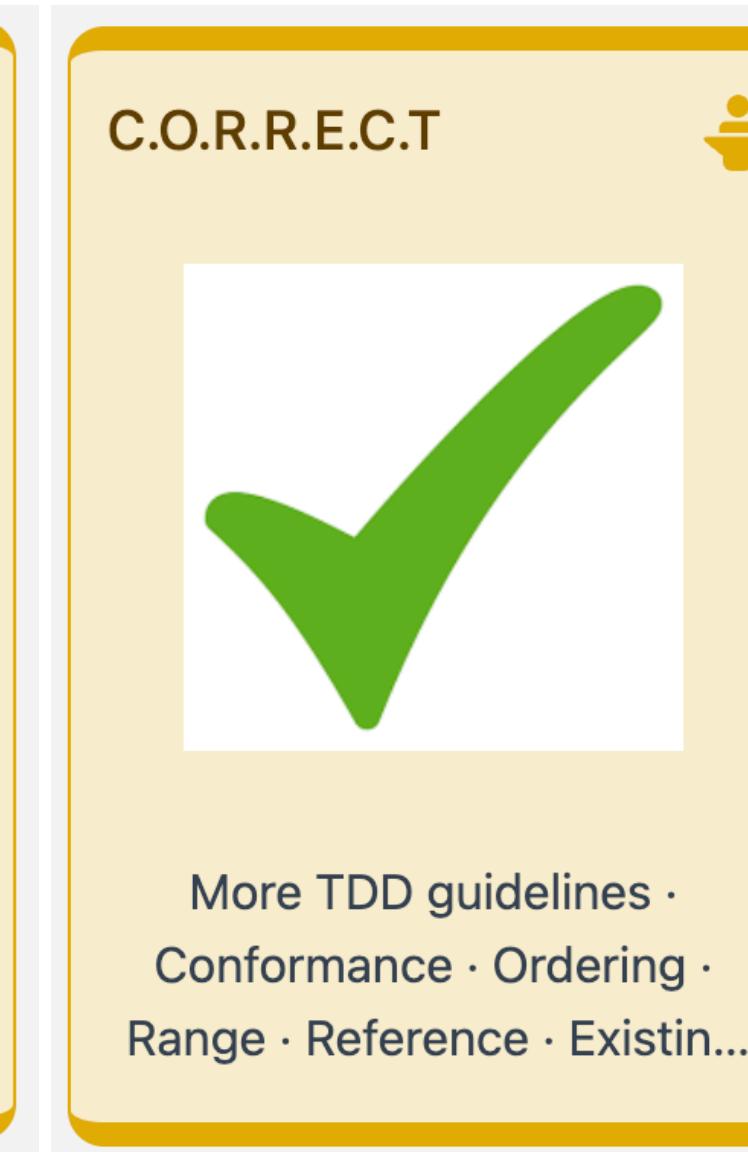
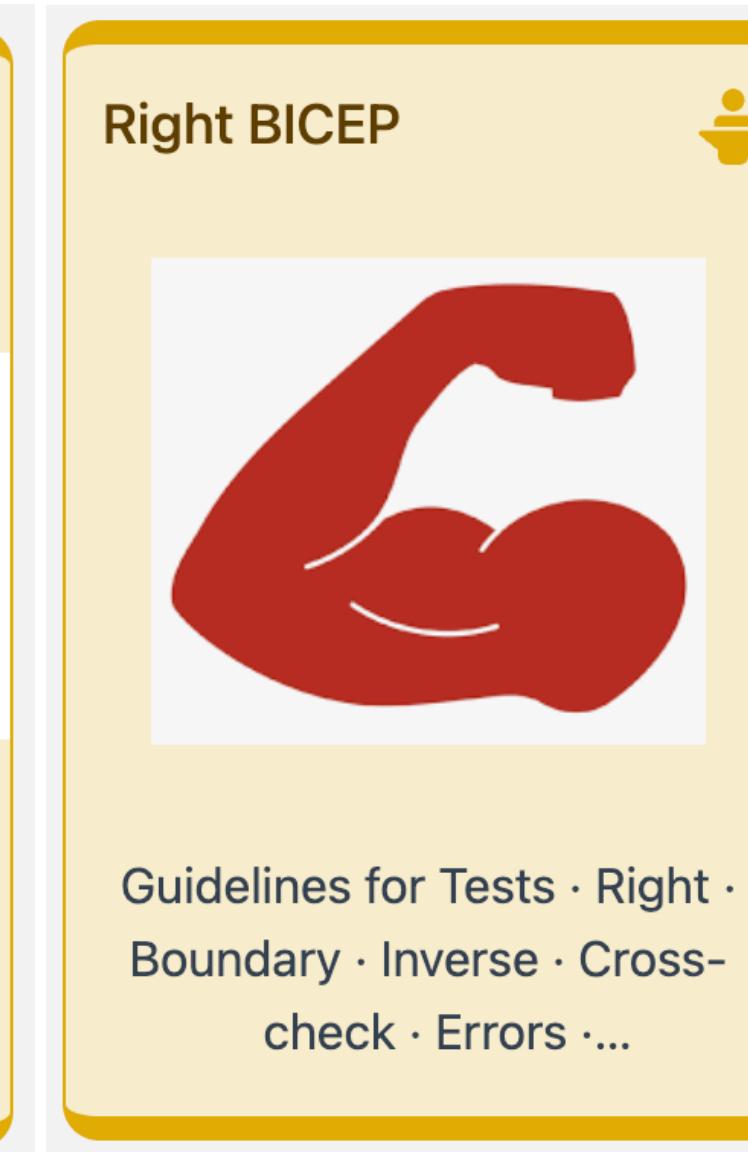
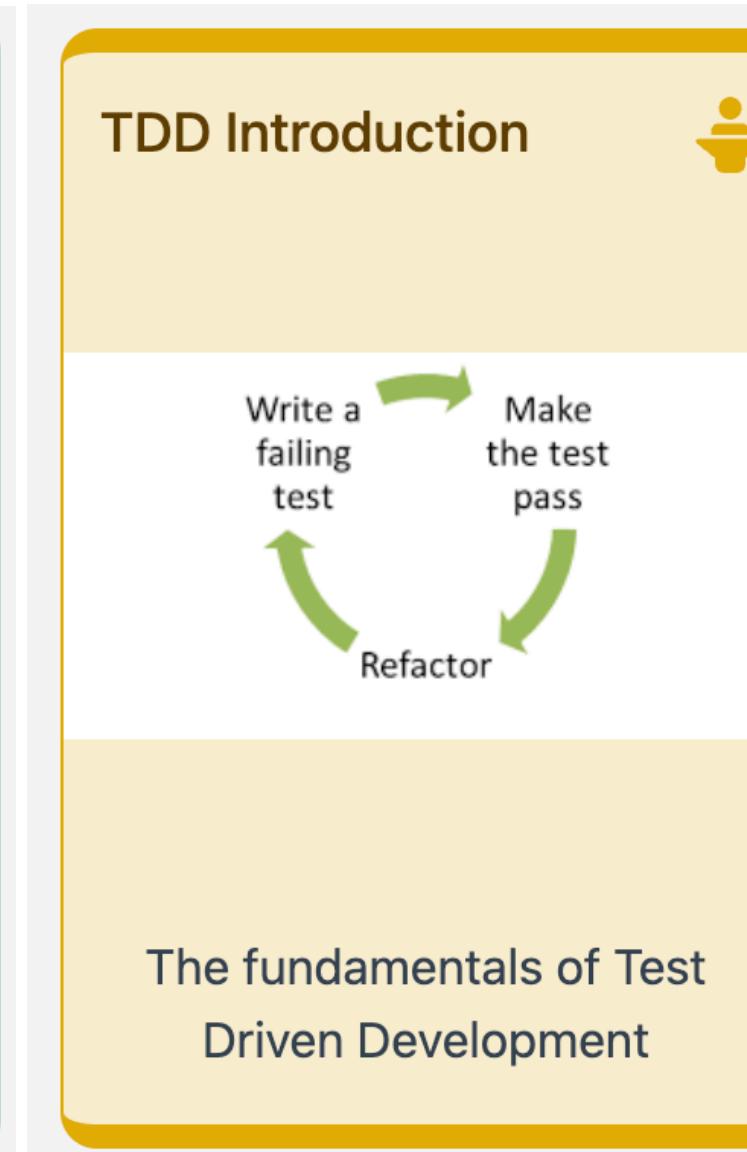
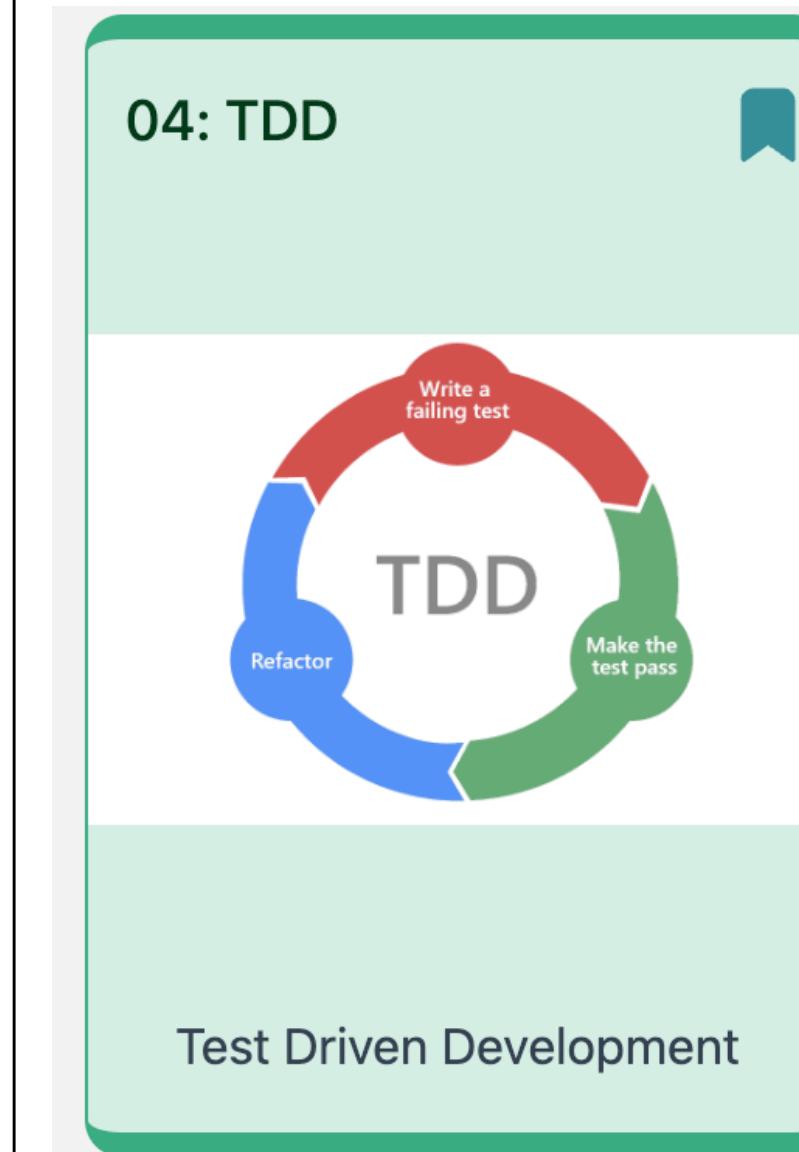
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Application Programmer Interfaces

Front End Web Development

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Concepts



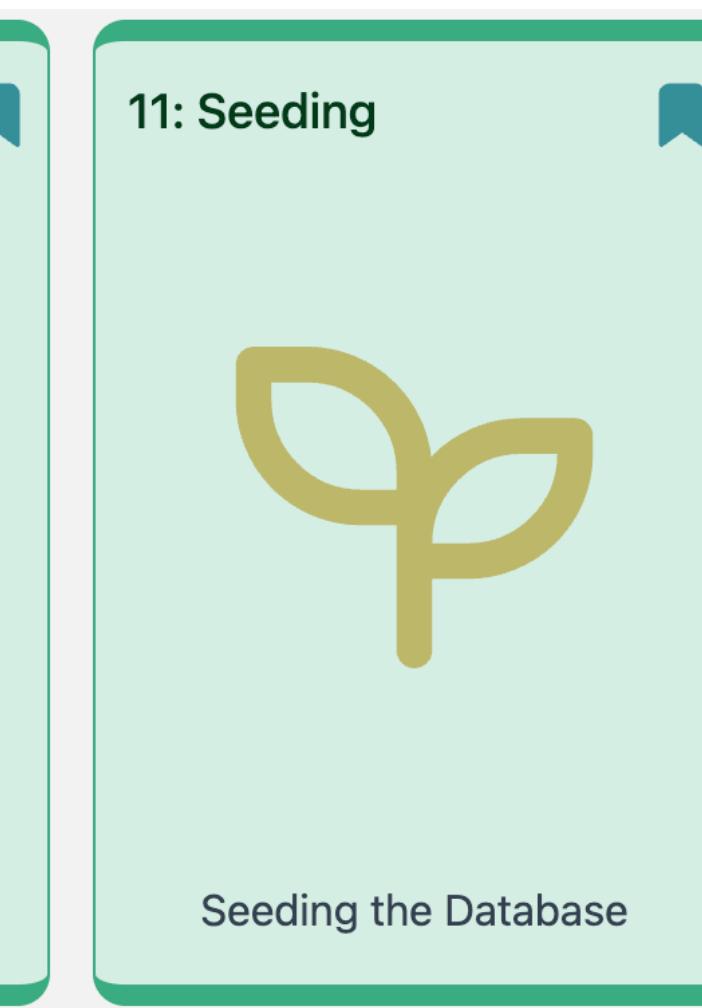
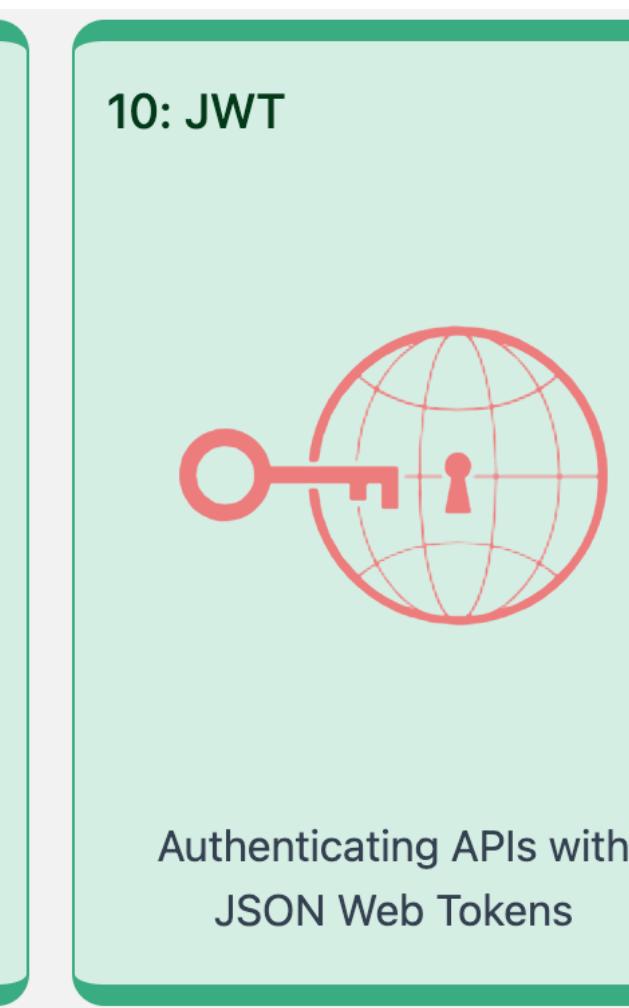
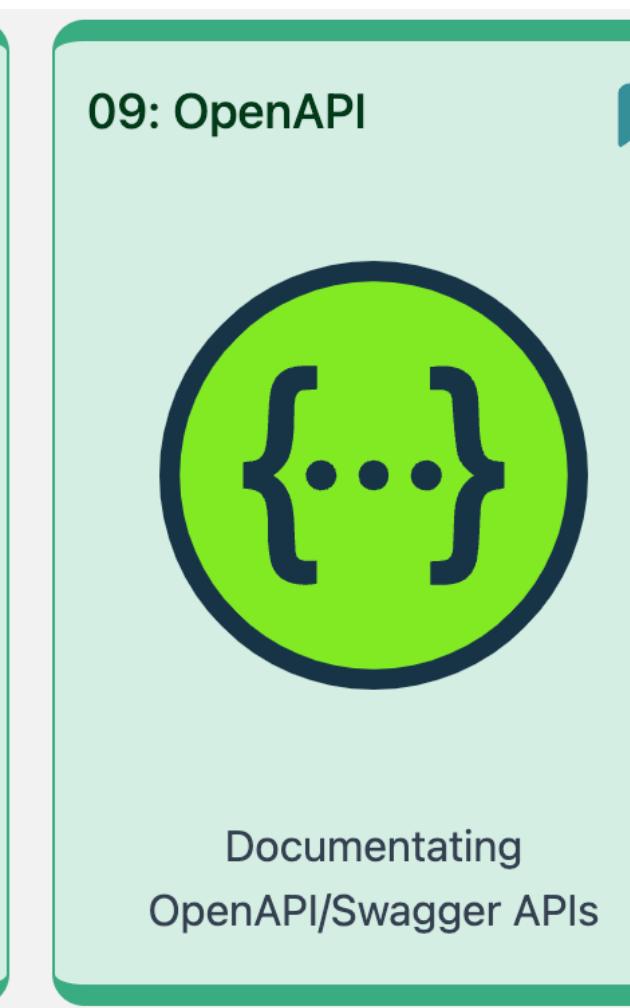
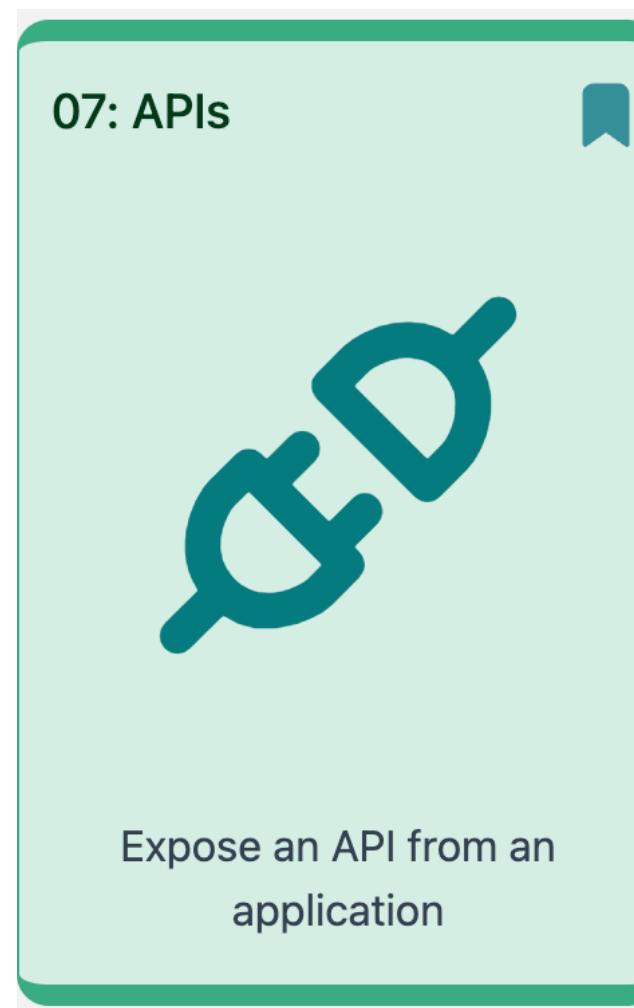
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Test Driven
Development

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Front End Web
Development

Full Stack



Core
Concepts

Back End Web
Development

Test Driven
Development

Application
Programmer
Interfaces

**Front End Web
Development**

Full Stack

The image shows a horizontal row of seven cards, each representing a lesson in the Svelte framework. Each card has a green header with a bookmark icon, a large central icon, and a brief description below it.

- 12: Deployment** (Icon: Cloud with arrow): Deploying to Glitch, Render & Cloud Atlas
- 13: DOM** (Icon: Document object model structure): The Document Object Model
- 14: Svelte Introduction** (Icon: Large orange Svelte logo): First contact with the Svelte Framework
- 15: Svelte Components** (Icon: Component diagram showing Slots, Context, Props, and Events): Introducing the Svelte Component Model
- 17: Donation Applications** (Icon: Computer monitor with gears): Overview of Donation Applications - Hapi & Svelte
- 18: TypeScript** (Icon: TypeScript logo with a pi symbol): TypeScript Hapi Applications
- 19: SvelteKit Routing** (Icon: SvelteKit logo with a road sign): Application Routing in SvelteKit

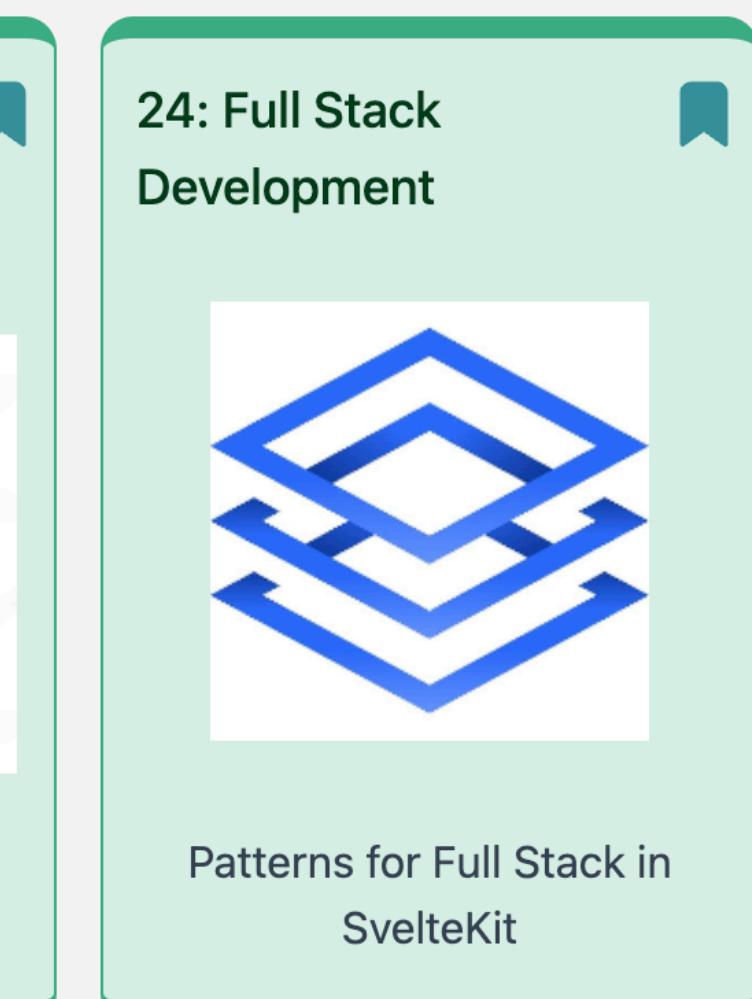
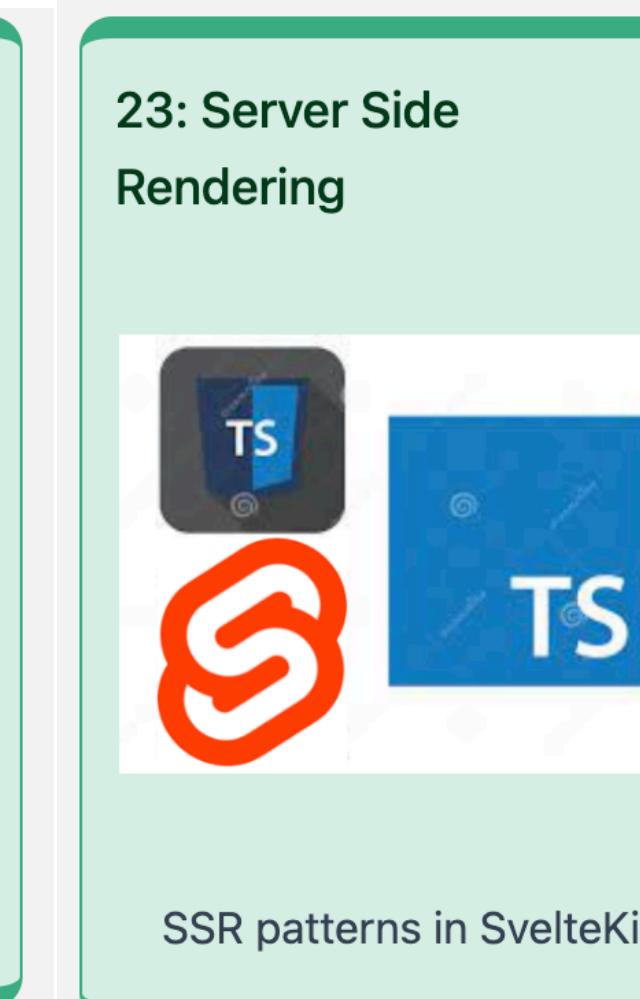
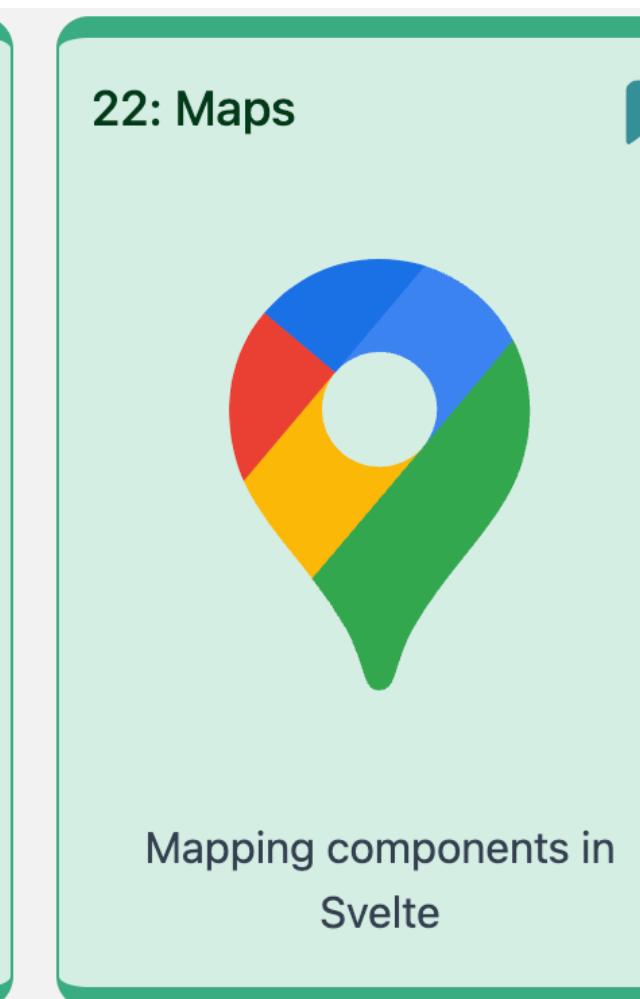
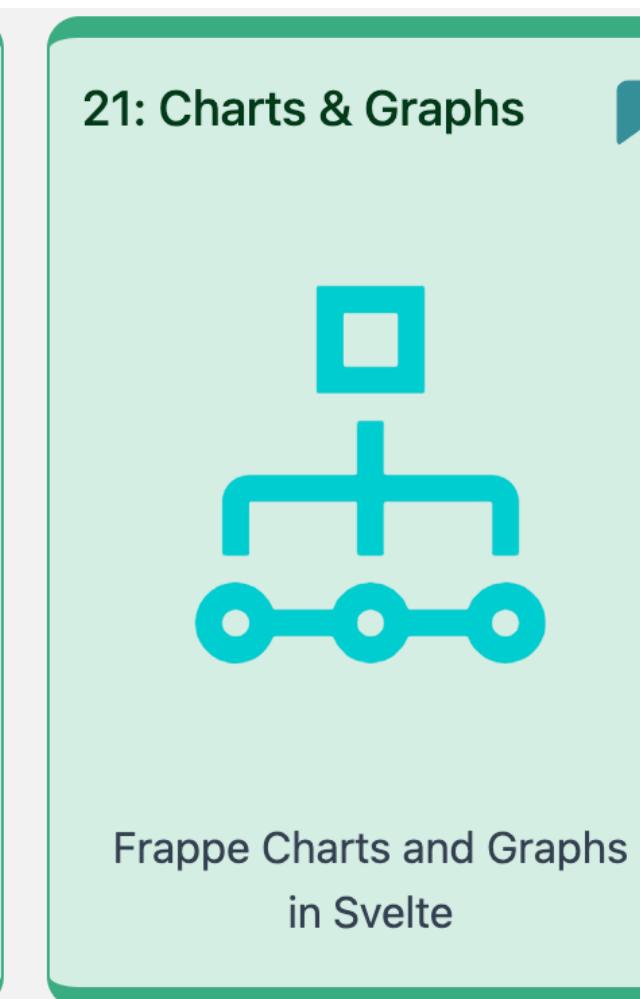
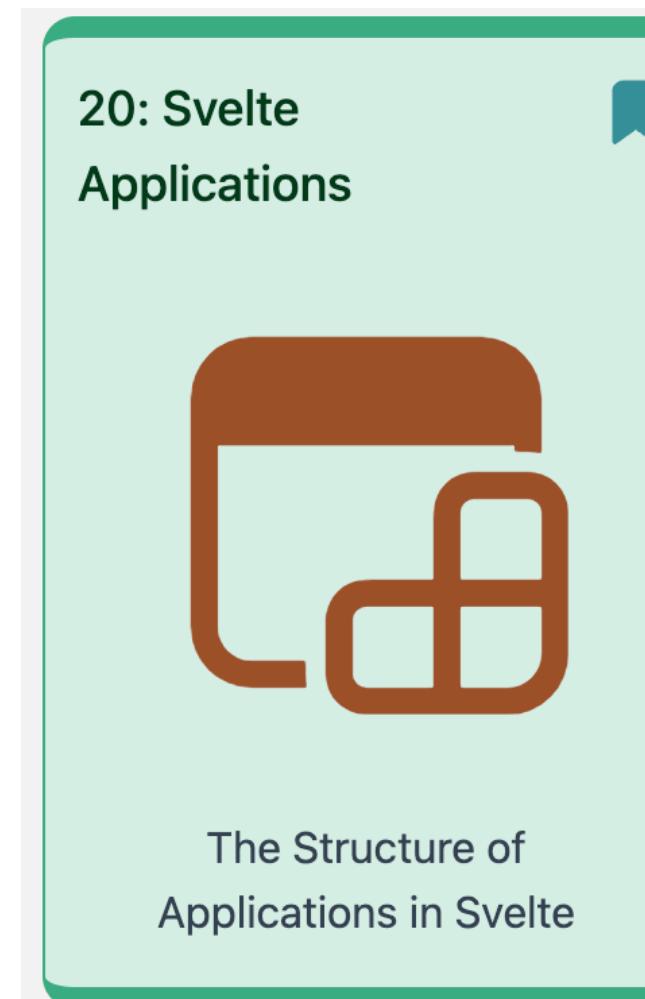
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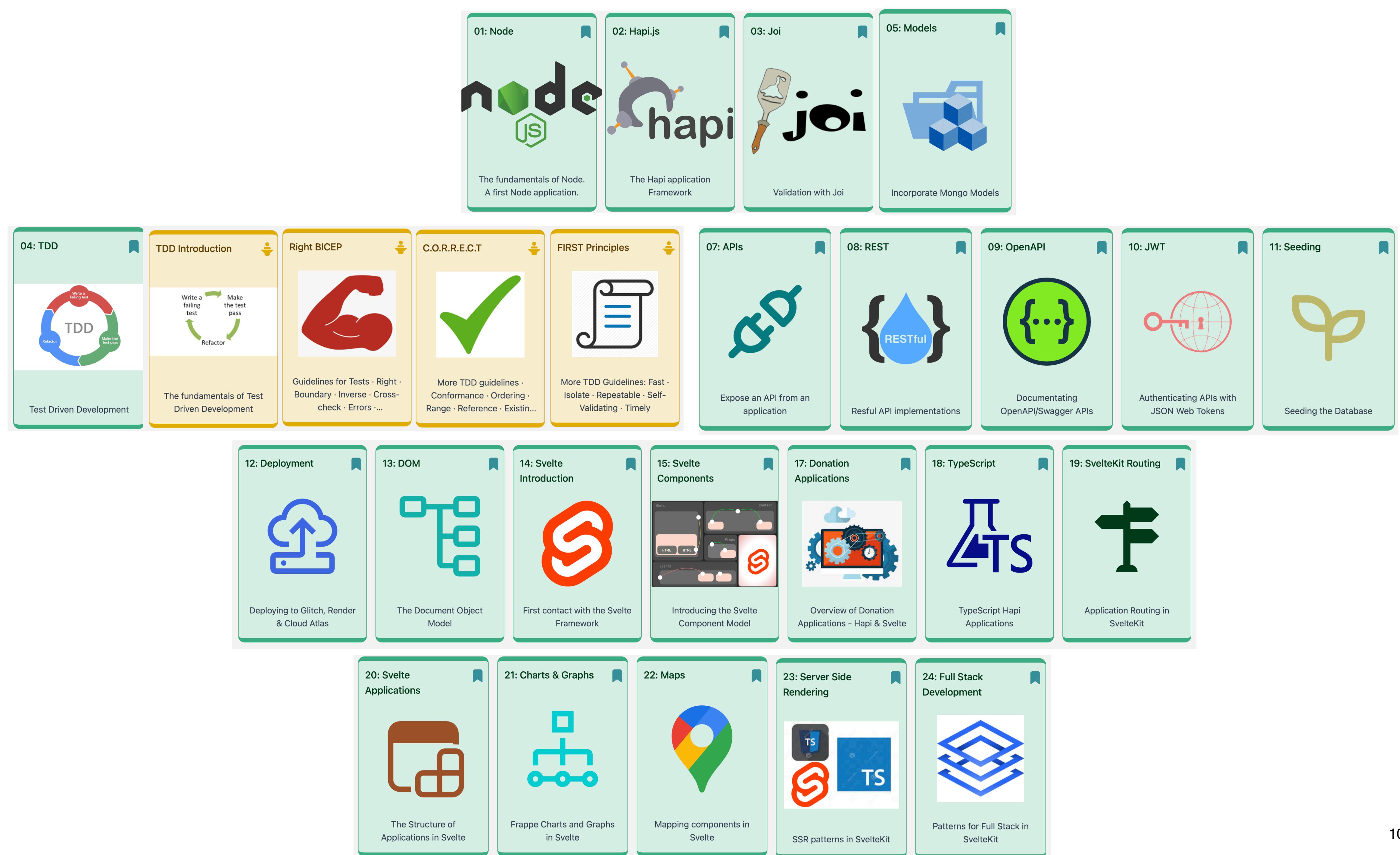
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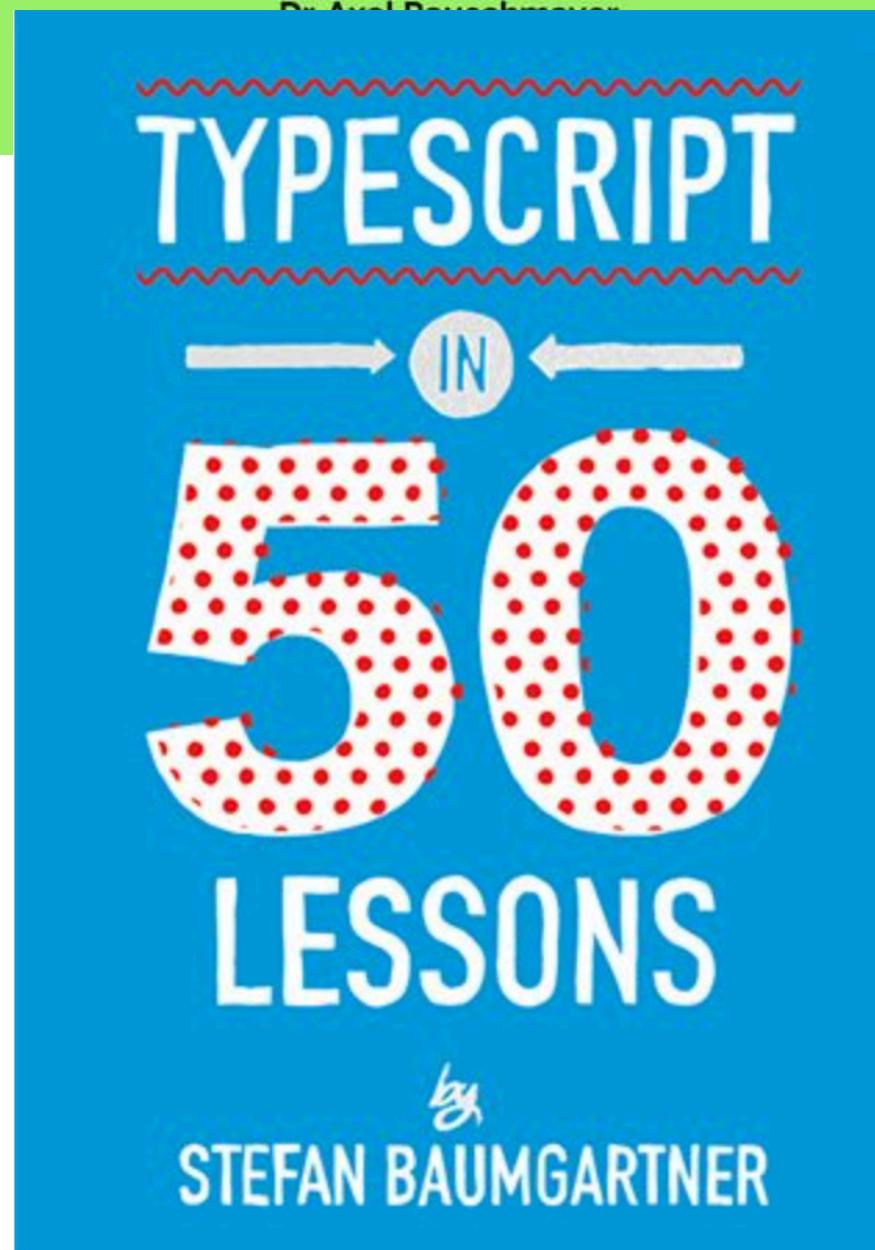
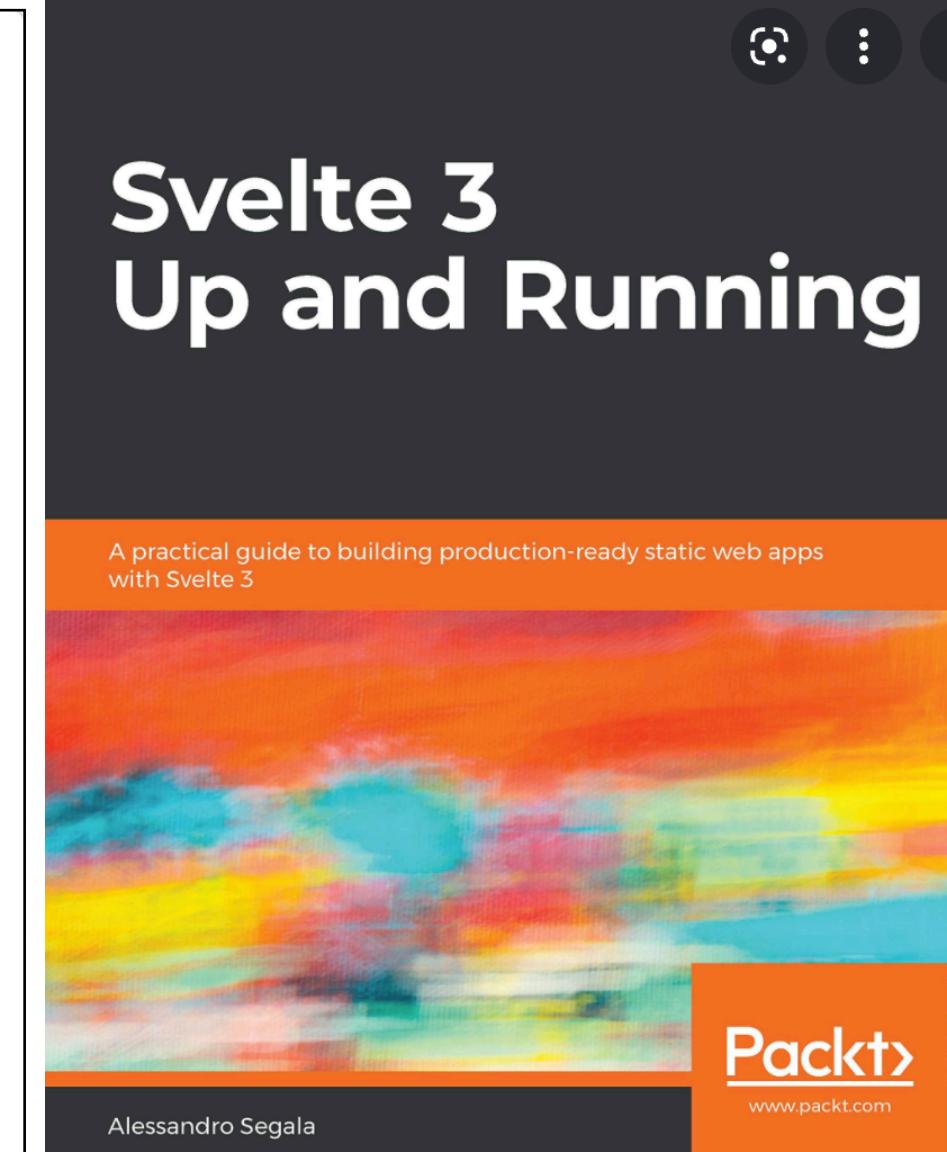
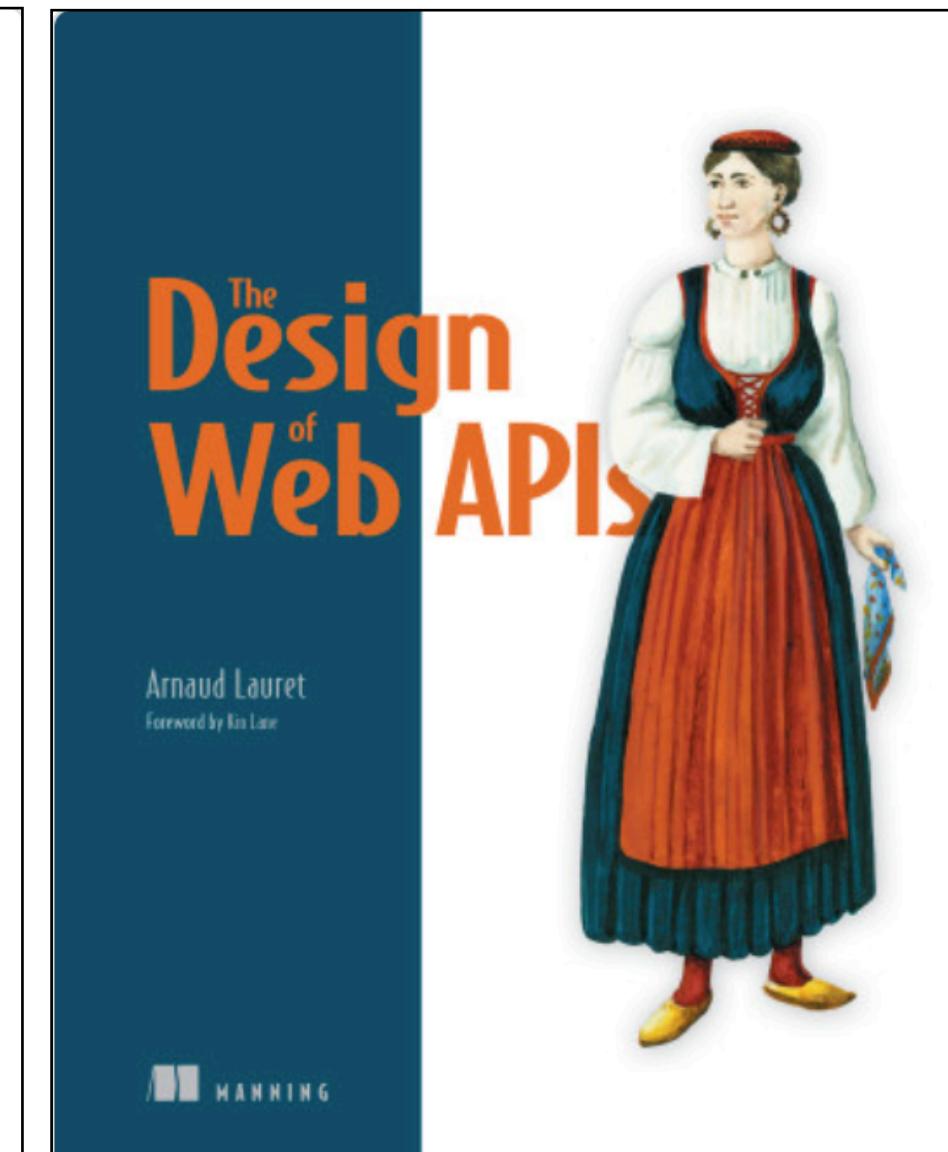
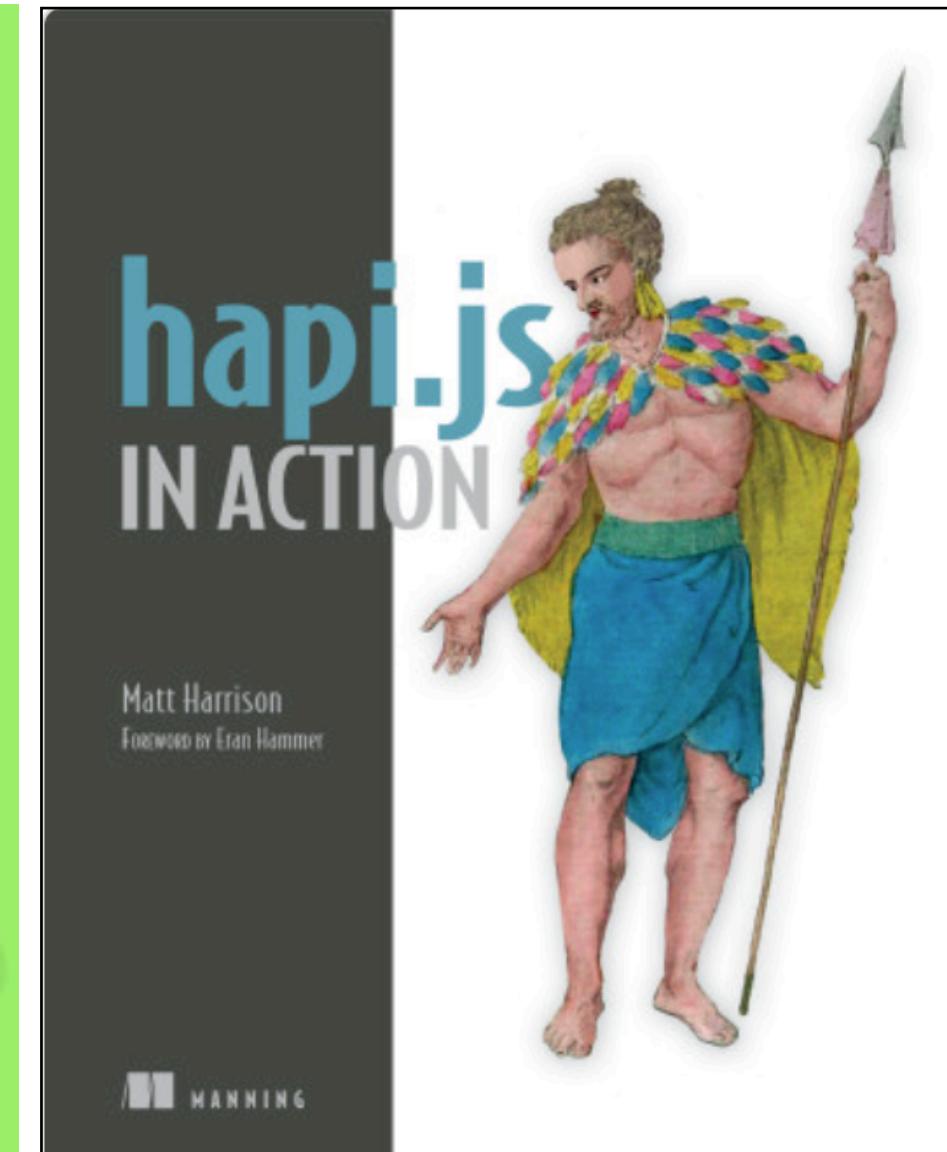
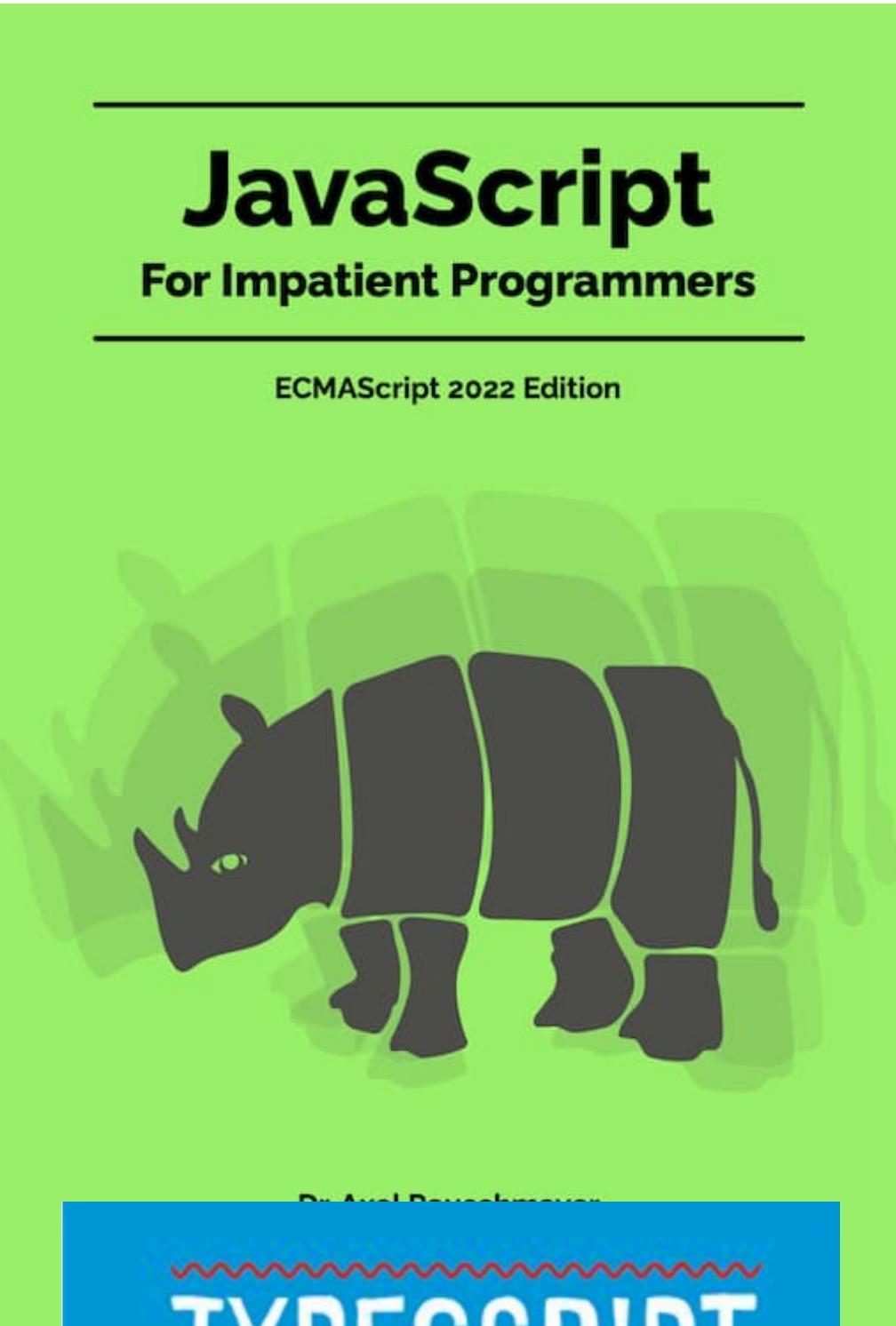
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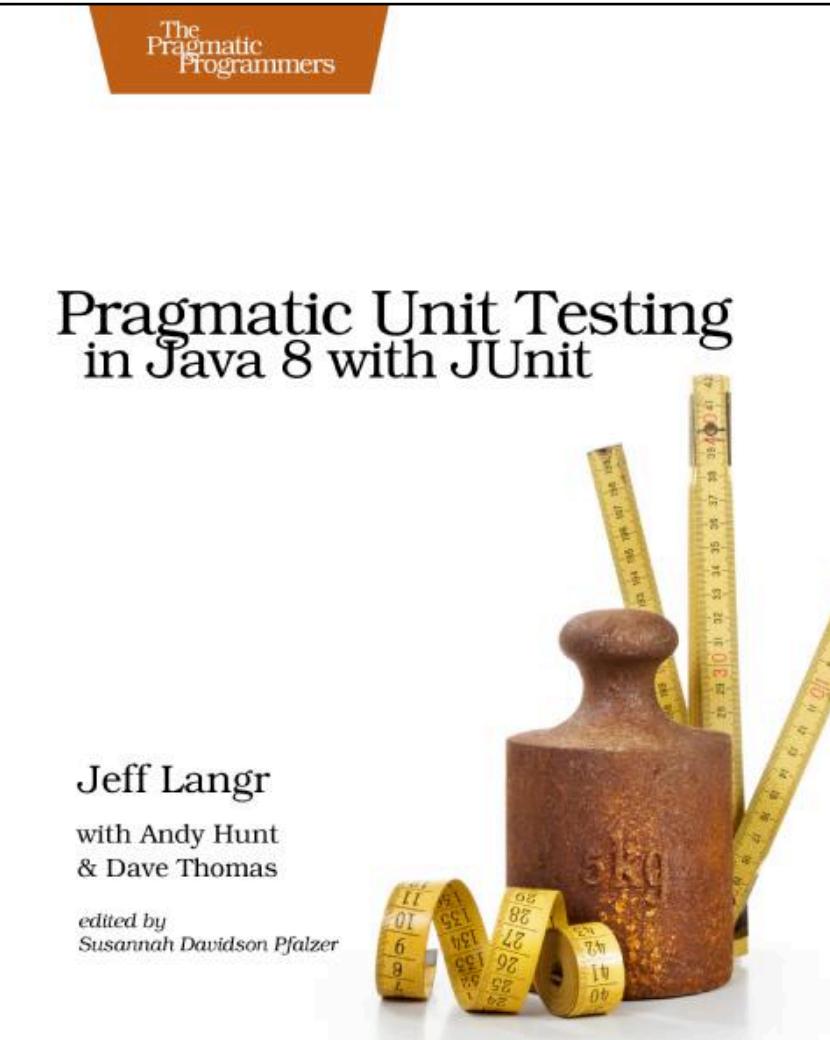
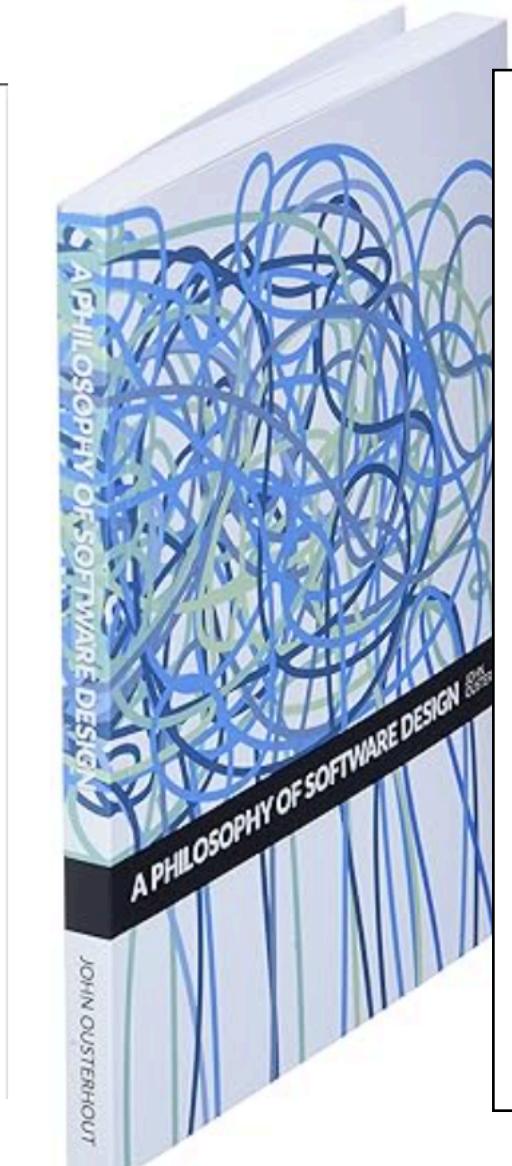
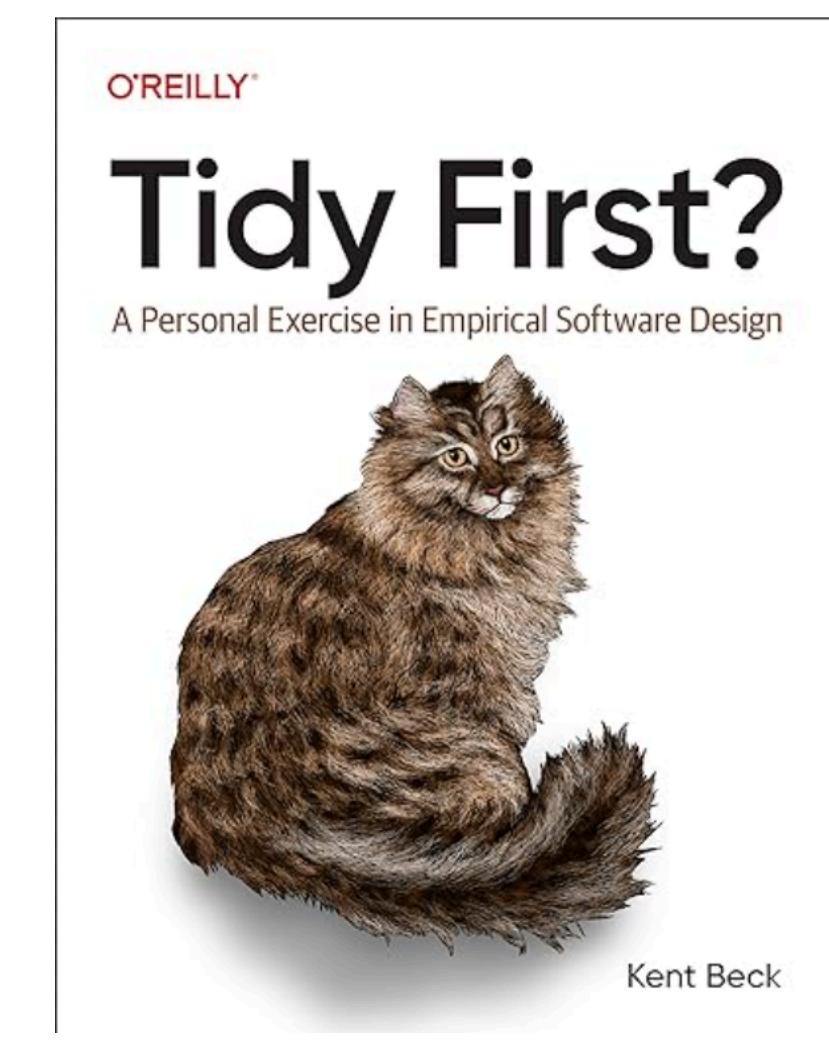








- <https://exploringjs.com/impatient-js/toc.html>
- <https://nodeweekly.com/>
- <https://javascriptweekly.com/>
- <https://frontendfoc.us/>
- <https://svelte.dev/blog>



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