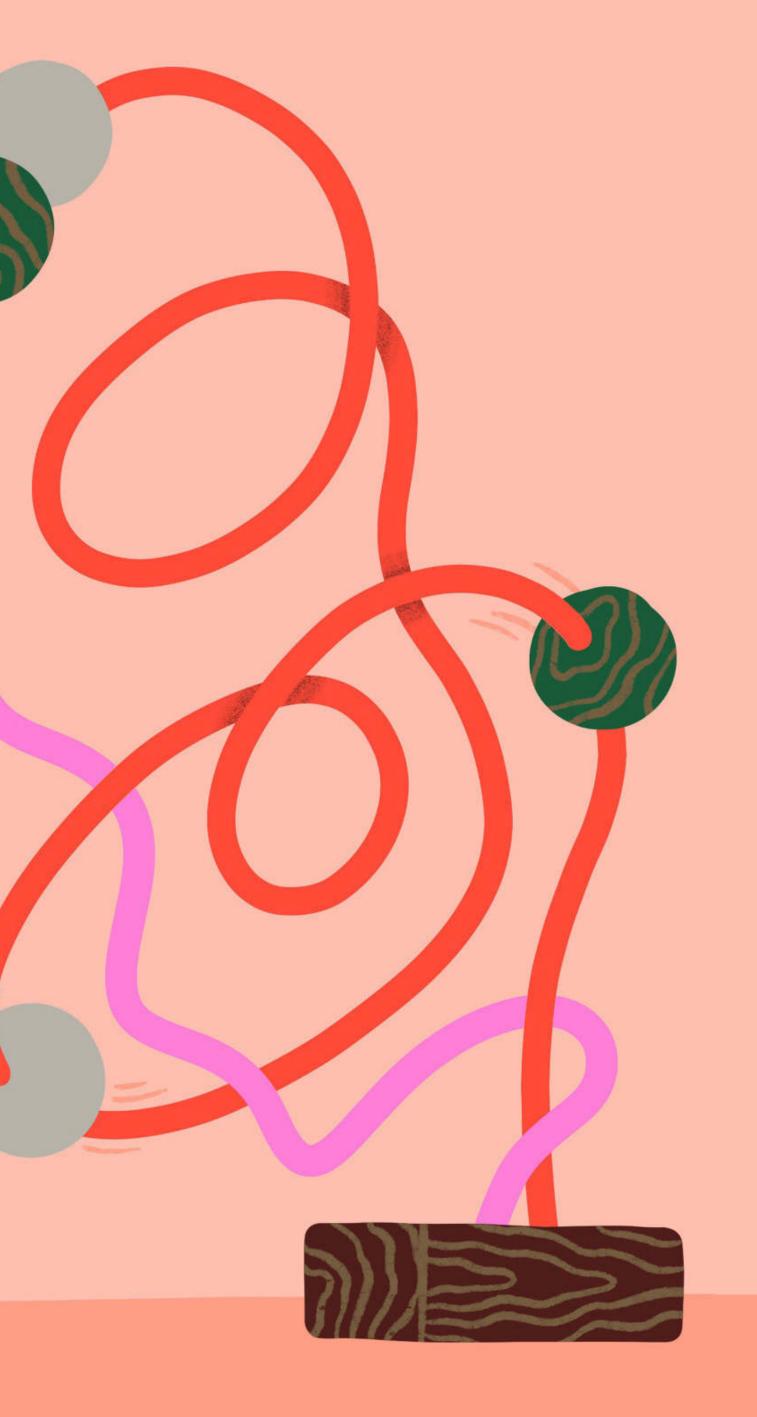
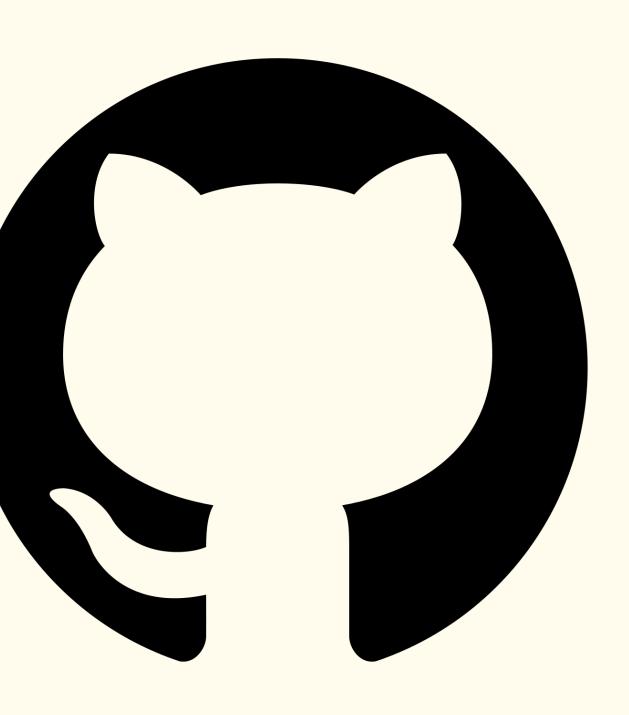
JavaScript



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Github Pages

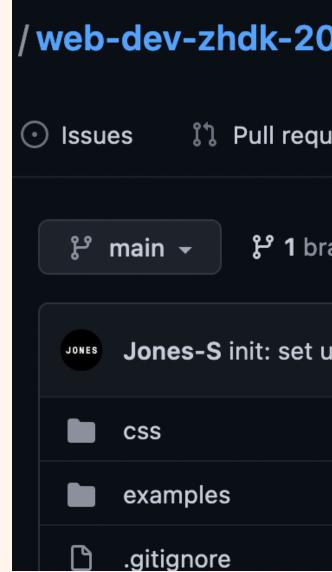


Hosting a website on Github

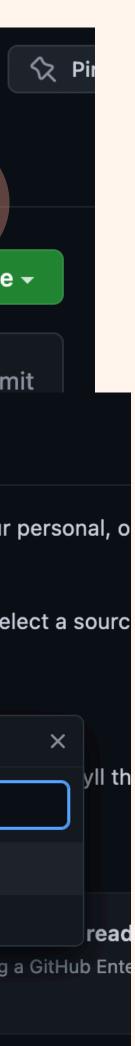
Github Repository → Settings

→ Pages

Select source branch (main) and folder. Done.



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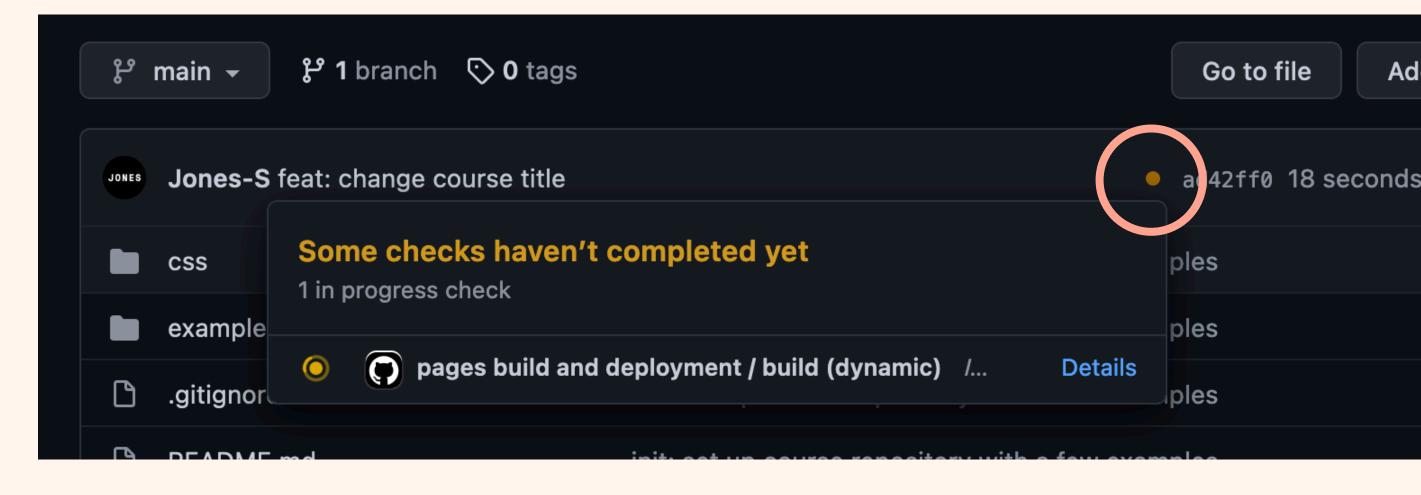
Hosting a website on Github

Site still not online?

Site is deployed on your next "push".

The build might take a bit of time, but after completion you can access your page at:

https://USER-NAME.github.io/REPO-NAME/



JavaScript

- <u>https://javascript.info/</u>
- Chapters:
 - 2.1 Hello world!
 - 2.4 Variables
 - 2.5 Data Types
 - 2.9 Comparisons
 - 2.10 Conditional branching: if
 - 2.11 Logical operators
 - 2.13 Loops While and for

The Modern JavaScript Tutorial ~ imes~+ ***** ○ A https://javascript.info \boxtimes \pm С \gg \equiv PART 2 PART 1 PART 3 The JavaScript Browser: Document, Events, Additional articles language Interfaces

The JavaScript language

Here we learn JavaScript, starting from scratch and go on to advanced concepts like OOP. We concentrate on the language itself here, with the minimum of environment-specific notes.

An introduction

1.1 An Introduction to JavaScript

1.2 Manuals and specifications

- 1.3 Code editors
- 1.4 Developer console

JavaScript Fundamentals

- 2.1 Hello, world!
- 2.2 Code structure
- 2.3 The modern mode, "use strict"
- 2.4 Variables
- 2.5 Data types
- 2.6 Interaction: alert, prompt, confirm
- 2.7 Type Conversions
- 2.8 Basic operators, maths
- 2.9 Comparisons

Code quality

- 3.1 Debugging in the browser
- 3.2 Coding Style
- 3.3 Comments

- 2.10 Conditional branching: if, '?'
- 2.11 Logical operators
- 2.12 Nullish coalescing operator '??'
- 2.13 Loops: while and for
- 2.14 The "switch" statement
- 2.15 Functions
- 2.16 Function expressions
- 2.17 Arrow functions, the basics
- 2.18 JavaScript specials
- 3.4 Ninja code
- 3.5 Automated testing with Mocha
- **3.6** Polyfills and transpilers

Objects: the basics

Topics

- How to execute JavaScript in the Browser?
- How to console.log() and alert()
- What are **Variables** and how to use them?
- How to write **comparisons**
- How to write conditional branching: if
- Using Logical operators?
- How to use **Loops**?
- What are **Objects**?
- What are Arrays?
- How to define **Functions**?
- Accessing/Navigating the DOM

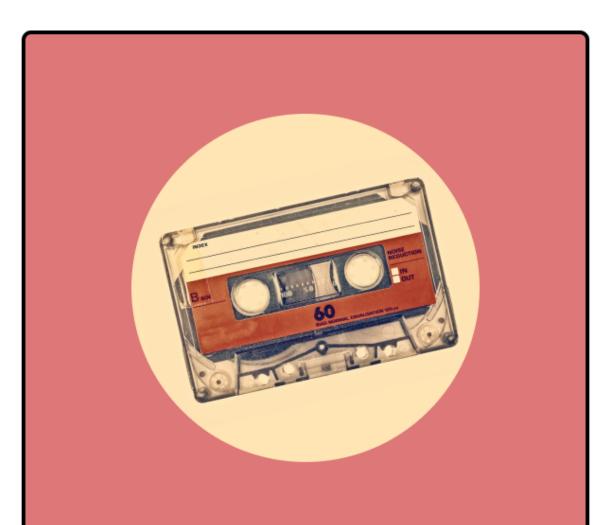
Examples

Examples can be found at: https://github.com/Jones-S/web-dev-zhdk-2022/ tree/main/examples/09-javascript-basics

JavaScript: <u>https://github.com/Jones-S/web-dev-zhdk-2022/</u> <u>blob/main/examples/09-javascript-basics/main.js</u>

Homework: Exercise ()]

- Design and build a static item card with HTML and CSS.
- You are free about the content and the design.
- Restrictions:
 - Size: 300px * 540px
 - Centered (left/right)
 - margin-top: 40px
- → USE Template! https://github.com/Jones-S/web-dev-zhdk-2022/raw/main/ templates/exercise-01.zip



My first tape

2Pac - All Eyez On Me

All Eyez on Me is the fourth studio album by American rapper 2Pac, and the last to be released during his lifetime.

Year: 1997

Duration: 1h 32min

Homework

- Mandatory submission to pass this course! ullet
- Hand in a link to your GitHub pages page via \bullet https://docs.google.com/spreadsheets/d/ <u>11VEbOOS7pxGK1NhC9ZWvGv7nFEPro42Y7OOIYRQWXtl/edit?</u> <u>usp=sharing</u>
 - Enter your Name, Link to your GitHub repository and to your html ullethosted via Github Pages.
- Submission until: Friday 20.05.2022, 24:00 • Late submissions will receive deductions!
- Grading will be based on: \bullet
 - Cleanness of code (indentation, spaces!) •
 - Layout \bullet
 - Complexity (Extras welcome!)
 - GUI •
 - Write down which parts of your code have been copy/pasted and indicate source in comment!