

**{ POWER.CODERS }**

# Practical exercises using JS events

# AGENDA

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Today we will look into

- Practical JS: create a slider
- More JS exercises
- Your project

# PRACTICAL EXAMPLE WITH JS

# CREATE AN IMAGE SLIDER

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**What is an image slider?**

# 1. UNDERSTAND THE PROBLEM

” A slider slides the images horizontally or vertically (usually horizontally) usually with a momentum effect.

—[ux.stackexchange.com](https://ux.stackexchange.com)

## 2. PLAN YOUR SOLUTION

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- add one `img`-tag in your HTML. Use the id **slider**.
- define in your JS file several images in an **array**
- also declare in your JS file a **counter** for the slider index
- back in your HTML add **two buttons**, one to show the previous image, the other to show the next image
- define **two click event handlers** for these two buttons
- call a function which shows the **previous** image if clicking the prev button
- call a second function which shows the **next** image if clicking the next button

# 3. DIVIDE AND CONQUER

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- write your HTML and style it with CSS
- declare global variables
- add event listeners
- create functions for the sliding

# 4. DEBUG AND TEST

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# 5. OPTIMIZE YOUR CODE



# EXERCISES



# MAD LIB

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**Change the code of your MadLib exercise to use the DOM**

- add input fields
- add event listeners
- add the result to the DOM
- style it: make it beautiful, usable and accessible

# TO-DO LIST

**Optimize the code and add functionalities we did not have to time to add before.**

Also take the time to style it: make it beautiful, usable and accessible

# TIP CALCULATOR

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**Change the code of your tip calculator to use the DOM**

- add input fields
- add event listeners
- add the result to the DOM
- style it: make it beautiful, usable and accessible

# WORK ON YOUR PROJECT

