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## General

- The competition for finding a position as a web developer is getting harder every day. Every project you create makes you a better developer - remember this
- You need to implement one mini project for JS + DOM and one mini project for HTML + CSS (+ advanced if you want)
- Start with JS + DOM projects and only after finishing them continue to the CSS + HTML projects
- Google, YouTube(web dev simplified - wds, Brad Traversy, Kevin Powell),w3schools,mdn, your group teammates, and the chrome dev tools tabs: elements, sources(debugger), console are your friends
- Do not get stuck on any problem more than one hour - after an hour consult with group friend and solve the problem or bypass it

## Timeline

All projects should be uploaded to your GitHub under your usual IITC repo using the directory html-css-js-dom-mini-projects until 1/5/24 08:45

## Version control

Commit and push often and use the git tag when possible

## JavaScript + DOM

Functionality for all projects:

- Start a new game
- Input user name
- Decide on the game finish and show appropriate message
- Compute and show total game time (**every second** - אתגר)
- Collect and show history in a table
- User input validation
- Board length is configurable **אתגר**

Projects:

1. Bulls and cows (בול פגיעה), you can get inspired from [here](#)
2. Memory game, you can get inspired from [here](#) - אתגר
3. Minesweeper - אתגר. You can get inspired from [here](#)

## Instructions

- Before starting to code: decide on data structure, operations/algorithms and create a flow diagram using e.g. drawio free app
- Divide the project into a list of small tasks
- Start implementing the easier tasks
- Write JavaScript code incrementally: write a function and test that it works, and only then add something else, test, and so on
- The UI design is your choice
- Use the slides and exercise we did in class and homework as reference
- Use DOM for UI
- Use meaningful names for variables and functions (operation and operation subject)

# CSS + HTML

## Instructions

- Make your page as similar as possible to the reference page.  
Consider using the ColorZilla browser extension
- Responsive design: mobile and desktop.
- Notice that [BBC](#) and [Portfolio](#) do not have a good responsive design - you need to improve the responsive design of these web pages
- Take images from the web page for [BBC](#) and [Portfolio](#). For Natours images, you can use [this](#)
- All projects are single pages beside 'cool portfolio'
- you can do responsive design for only one project If you do not have time
- Flexbox and grid are your friends

## Projects

1. [BBC](#) - אתגר
2. [Portfolio](#)
3. [Natours](#) - אתגר
4. [cool portfolio](#) - אתגר , might require javascript