CHALLENGEs are OPTIONAL

00. Create directory panda/your\_name/hw/hw-2024-07-28

00. Create directory panda/your\_name/projects/10-hanoy-towers

00. Create directory panda/your\_name/projects/11-shopping-carts

00. Create directory panda/your\_name/projects/12-game-portal

0. Projects

00-portfolio - get some ideas, what do you want

00-tic-tac-toe - 30.04.2024

01-is-it-a-prime-number - 30.04.2024

02-css-explanator - 30.04.2024

03-questionnaire - 8.05.2024

04-binary-guessing - 16.05.2024 - small groups

05-string-games - "fix the clock","random quote",

"palindrome", "gematria", "anagrams" parts

and the last part - "words-in-word" - finish the project - 26.06.2024

06-nim - 23.05.2024 - small groups

07-hangman - 5.06.2024 - small groups

with both "mouse click" and "keyboard" events,

with minimum of the listeners - using

event propagation

08-NodeJS-SQL-Your-Theme - continue with your theme

in accordance to the cookbook02.

See exercises 1. and 2. below.

19.06.2024

09-calculator - 16.06.2024 - build it with css GRID,

use both "mouse click" and "keyboard" events,

with minimum of the listeners - using

event propagation.

It should perform the actions: +,-,\*,/,%,power,

root, factorial, translating number from binary

to decimal, from decimal to binary, from hexadecimal

to decimal, from decimal to hexadecimal.

Optionally: translating numbers from decimal to

roman and from roman to decimal.

Optionally - more functions.

This project will be evaluated for the themes of:

"algorithms and advanced DOM".

10-hanoy-towers - finish tbd + improve +

see recursion-algorithm.txt and calculate the max number of steps for the player

+ challenge - create recursive movement of the disks - 17.07.2024

11-shopping-carts - the requirements are in

projects/11-shopping-carts/about-shopping-carts.txt - 17.07.2024

12-react-game-portal - the requirements are in

projects/12-react-game-portal/about.txt - 30.07.2024

13-fullstack-team-project - the requirements are coming mission

by mission, and we see the total

requirements in

projects/13-fullstack-by-groups

Optional Projects:

- Canvas "Breakout Game"

- "Endless Dangers" - see the description below

- "Dreidel"

- "Memory Game" - see the beginning files and

the example of how to flip card inside

the "projects/optional/memory-game" dir

- "Math Practice" - Optional project of math-practice

with drops containing math exercises and

going down.

When the player types right answer,

the drop should stop or disappear or

make some other response.

- "One page site with smooth scrolling" - like YummyIsrael

1. Old Missions for the team project:

a) Create repository in GitHub and add there natalia.shif@gmail.com too

b) Invent a cool name for your team

c) Discuss with your teammates how would you like the design

of your app: colors, buttons, styles, funny or "wow" things,

get some examples for the inspiration

d) Team mission too: Start discussing and drawing the general

content of the screens.

How LogIn screen will look? How SignUp screen will look?

How the Task cards will look? etc.

One of the possible programs for drawing this: draw.io

2. More old Missions for the Team Project

a) Finish declaration of all the models (from the project SPEC),

there should be probably 4 models (may be more)

b) Download and install MongoDB

c) Create DB for the project and create data that you'll work with it

3. New Missions for the Team Project

a) As a team, decide how you'll store the models and

how you'll initialize them with the data.

b) Divide between the team members the models.

Eeach person

i) creates the file for the model and

ii) the function/s for initialization of the model

with the data

iii) And put them into the directories and files that

you've planned in the previous step

4. Finish the steps 1,2,3 of OLYMPICS