



PICTURE PUZZLE

JavaScript Project

PRESENTED BY

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About Picture Puzzle Game

Description:

In this game a picture will be rearranged into pieces, which are being shuffled randomly. You will need to move the pieces to reconstruct the original picture. Once you solve the puzzle, you are rewarded with interesting facts about the picture and links to additional information.

Instructions:

You move the pieces by swapping the positions of two tiles. Click a piece to select it and then click another piece to swap the positions of the two tiles. You are going to be evaluated by three factors – the time you spent on solving the puzzle, the quantity of moves you make, and whether you put a tile to the proper position or not. If you exceed the MAX allowed moves, your score goes down, if time runs out – YOU LOSE :)

Options:

You have 3 categories of pictures to choose from – Food, Movies, and Space, and 3 levels of difficulties – Easy, Medium and Hard.

Good Luck!!!

Game Flow



DEMO



Picture Puzzle

How to play:

Select two tiles to swap the puzzle pieces to re-assemble the picture before the timer runs out. Select the type of puzzle below. Good luck!

Selections:

Difficulty: ☐ Easy ☒ Medium ☐ Hard

Category: ☐ Food ☒ Movies ☐ Space

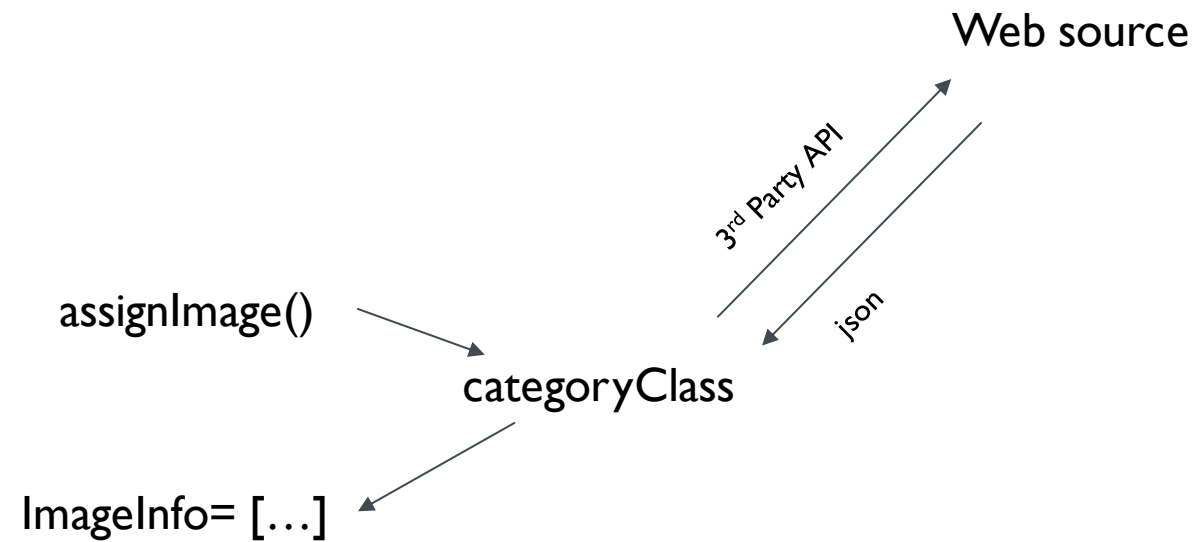
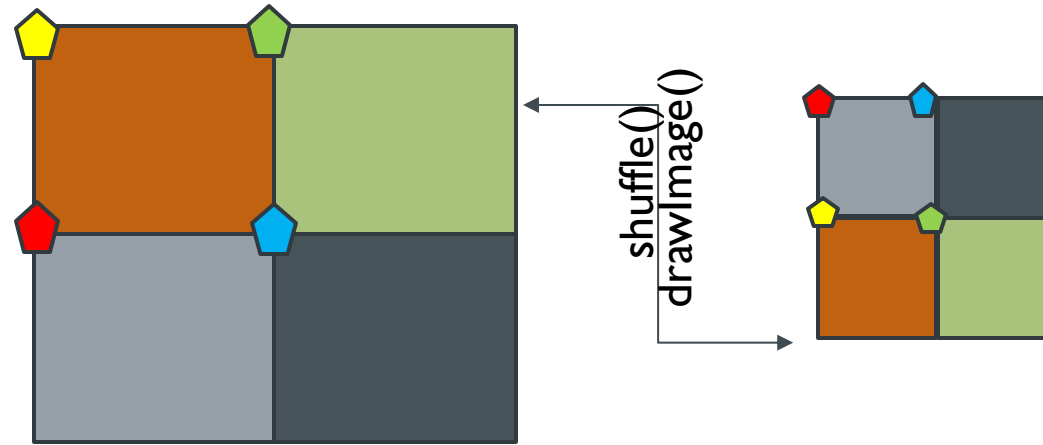
[Get Started!](#)

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GAME LOGIC

Prominent functions: `reTile()`, `swapTile()`, `assignImage()`



CHALLENGES AND POSSIBLE UPGRADES

- Make it a Jigsaw-shape puzzle
- Make it "Drag-and-drop" vs Swapping
- Better API integration

RESOURCES

<https://developer.mozilla.org/en-US/>

<https://developers.google.com/places/web-service/photos>

<https://code.tutsplus.com/tutorials/create-an-html5-canvas-tile-swapping-puzzle--active-10747>

<https://api.edamam.com/search>

<https://api.nytimes.com/svc/movies/v2/reviews/search.json?query=>

<https://api.nasa.gov/planetary/apod>

and lots more...

Code: https://github.com/greymiba/JS_GroupProject_RMY



QUESTIONS