

# Project 1 - Part 1 (Memory Game)

This is a graded assignment

Part 1 due Tuesday <b>February 14, 2017 11:30AM</b> (2%)
--

Part 2 due Thursday <b>February 23, 2017 2:30PM</b> (10.5%)
---

This is a two-part individual web application project.

- In Part 1, you will build the view (HTML/CSS)
- In Part 2 you will add interaction (JavaScript). The specification of Part 2 will be released by February 14th.

Your overall goal for the project is to build a single-player "memory game" web application whose target audience is *kids aged 4-10*. The game board consists of 16 tiles that are "face down". Each turn, the player can turn two tiles over to see the images underneath. If the two images match, they disappear, otherwise they turn back over and the player has to guess again. The goal of the game is to match all the images in as few turns as possible.

## View Specifications

---

- The game board is centered on the screen and consists of 3 layers.
  - The bottom layer is a picture of an animal that fills the entire size of the game board.
  - The middle layer consists of 16 tiles in a 4x4 pattern that completely covers the bottom layer. (For now these tiles can be empty boxes. In Part 2, you will randomly populate these tiles with 8 image pairs, ie each image will be displayed twice.)
  - The top layer will also consist of 16 tiles in a 4x4 pattern that covers the middle layer. Each tile should exactly cover a tile in the middle layer. These tiles will be populated with images that include a letter from A to P and be sequenced alphabetically starting in the upper left hand corner and moving left to right.
  - The board should have a color and/or decorative border on all sides.
- The area around the game board should be decorated attractively and indicate that this page is a game.
- There should be a detailed set of instructions explaining how to play the game somewhere in the area.
- There should also be a button to end the current game and another button to start a new game.

## Part 1 Grading

---

The HTML and CSS you write in Part 1 will be graded on the following criteria:

- Does it match the spec?
- Does it respect HTML5 syntax and best-practices as discussed in class?
- Does it only use external CSS?
- Does it respect CSS syntax?
- Does it look good in all major browsers and with different window sizes?
- Is the code style clear and consistent?
- Is there any dead code? (Are any of the CSS rules superfluous?)
- Is your name and id included in a comment at the top of every source code file?

# Submission instructions

---

You must submit two copies of your Part 1 work:

- Upload all project files in one zip file on Moodle.
- Print a cover page and all source code and submit it **in class**. Please see the detailed submission requirements in the "Project 1 Part 1" assignment on Moodle.

I will only grade and write feedback on the **printed** submission, but I will use the electronic copy for testing and inspection as needed.

---

Last update: 2017-02-09 12:07:24

Source: `_javascript_423/assessment/04_project1_part1_memoryGame.md`