**Goal:**

Play the games inside the link. Pick up one/part of them or think of a new idea of gaming to implement.

<https://yang-example.github.io/se110>

**Requirement:**

**(1)**You can do this project as an individual or as a team. (You must mention your responsibility or contribution in your report document.) It is a good opportunity to learn from your peers. Based on your levels, backgrounds, experiences, and interests, your roles or contributions in this final project include but are not limited to:

* Ideating, suggesting or designing the game or parts of it like how to play, art style, scoring, etc.;
* Coding the game or parts of it ;
* Managing or coordinating the team, for example, to enable the team to work smoothly after class and keep in touch.
* Reviewing or testing the game or parts of it ;
* Locating and debugging the errors in the game or parts of it ;
* Researching the materials, like our slides, to facilitate the team.
* Writing and managing documentation like the final report, comments in the code, and sending the latest codes to every member.

**(2)** The grading will be based mainly on your effort, not only on the completeness of the gameplay. Attendance will be considered. You may have no restart function, have no scores, only implement a **part** of the game, or implement a **variant** of the game (The variant can be just inspired by the examples and look very different from the examples. But your submission must be runnable. And you must at least show the below evidence:

* Demonstrate the ability to write the basic web page structure.
* Demonstrate the use of variables.
* Demonstrate the ability to define functions and call functions.
* Demonstrate the ability to use operators, like +, -, \*, /, ===,, !==, >, <, <=, >=, %, !, ||, &&, etc.
* Demonstrate using simple condition statements (if-else).
* Demonstrate the ability to use the pre-defined APIs we have learned, like document.getElementById, etc.
* 20 points Bonus: Demonstrate using simple looping statements (for loop or while loop).

**(3)** The report (1-2 pages) should at least describe the ideas of your game and address what you have implemented. Explicitly state whether it is teamwork or individual work. If it is teamwork, **list all the members' full names and your roles or contributions**.

**(4)** Don't copy and paste the codes from the internet. It can be caught very easily.

You ARE NOT ALLOWED to define any object or use the syntax we haven't learned in class, like arrays, to prevent plagiarism and AI-generated code.

**Submission:**

**Submit to the Blackboard**

(1) a **report document (in MS Word)** of your project.

(2) Your GitHub link.

Each team member must **submit the report and your link individually**for grading in Blackboard. Each member's score will be the same for a team.