

Create a new (do not use this or copy it) document using the naming convention **HWX-MUId.docx** (example: HW7-johnsok9.docx).

Objective: The objective of this exercise is to:

1. Continue working with JavaScript
2. Learn and implement JavaScript methods
3. Learn and implement JavaScript canvas
4. Translate other language constructs into JavaScript

Submit: screenshots, your word document, html files and links to your web page(s)

You **may** discuss the concepts with your fellow students

You **may not** show or share code with your fellow students

You **may not** show or share code with internet sources

You **may** discuss this with your instructor or TA.

Part #1: Create GitLab project

Estimated time: 10 minutes

Exercise:

- Gitlab
 - Create project cse383_hw7 in your account.

Part #2: Draw in Canvas

Estimated time: 30-60 minutes

Exercise:

- Create a html/JavaScript file called part2.html that will use the HTML canvas function and will draw 20 random sized triangles of random size and random color. I would prefer that the triangles are randomly placed on the canvas similar to my example.
- Note: yours will be different than mine due to randomness
- Get a screen grab showing the page with the triangles

Part #3: Moving Divs

Estimated time: 30-60 minutes

Exercise:

- Create a html/JavaScript file called part3.html that will consist of 3 divs.
- Each one is absolutely positioned on the page in a random start position.
- Use a JavaScript timer to make each div move "slowly" off of the screen. It should take about 50 seconds for all of the blocks to move off the screen.
- Get a screen grab while they are still on the screen

Note: Height and width

```
const width  = window.innerWidth ||  
document.documentElement.clientWidth ||  
document.body.clientWidth;
```

```
const height = window.innerHeight ||  
document.documentElement.clientHeight ||  
document.body.clientHeight;
```

Part #5: Write a new Word Document

Estimated time: 15 minutes

Exercise:

- Always make sure it includes your name, class, assignment etc....
- Explain in full sentences (relating to this assignment):
 - what worked
 - what didn't
 - how long it took
 - What you liked
 - What you didn't

SUBMIT:

- Word Document
- Screenshots (may be inside word or separate)
 - Attach a screenshot showing GitLab with changes submitted
 - Attach a screenshot of your fully functional web pages (including output)
- File
 - Attach the 2 html files
- Paste the URL of your pages into the submission as a comment