

HW2

**Use JavaScript to make your  
website!**

# I. Introduction

- Based on your HW1, you need to add some **new features**
  - You can modify the files from HW1 or create new files
  - Use **HTML, CSS, and JavaScript** to do this homework
- **Use relative paths!!!! (“./”)**
  - -20 pts if we need to modify your codes

## II. Feature 1

- Use `window.open()` to add the following functions
  - Click the button to open a link in new tab (in current window) (-5 pts)

## II. Feature 2

- demovideo1.mkv
- Show the pop-up automatically after page load
  - Make the pop-up **unscrollable** (-5 pts)
  - Add the close button in the popup (-10 pts)
  - Darken the background behind the popup (-5 pts)
- Show the pop-up when the user clicks the button
  - Make the pop-up **scrollable** (-5 pts)
  - Add the close button in the popup (-5 pts)
  - Darken the background behind the popup (-5 pts)

## II. Feature 3

- demovideo2.mkv
- Show the pop-up advertisement
  - Show the advertisement 3 seconds after page load (-5 pts)
  - Show the advertisement at bottom right corner of the screen (-5 pts)
  - Add the close button in the pop-up (-5 pts)
  - Make it noticeable but smaller than  $\frac{1}{3}$  of whole page (-5 pts)
- Show the browsed time after page load
  - Show it at the same page that shows the advertisement (-5 pts)
  - Display in the format “**xxxx.ds**”, where xxxx is the zero-padded integer part of the passed seconds and d is the decimal part (-5 pts)
    - ex: 0013.4s for 13.4 passed seconds after page load
  - Update every 0.1 second (-5 pts)
  - Time display is tolerable with the error less than 0.5 second (-5 pts)

## II. Feature 4

- demovideo3.mkv
- Implement scroll detection with JavaScript on one of the page (-10 pts)
  - Trigger some animations, events or images when browsing

## II. Feature 5

- Design other features
  - Each feature must utilize JavaScript
- Less points
  - I made 5 features! The snowflake animation in the background can move up, down, left, right and the size of the snowflakes is different
- More points
  - I made 5 features:
    - Snowflake animation
    - Other animation trigger by scrolling

# III. Submission Format

- Create a “HW2\_StudentID\_Name.pdf” in HW2\_StudentID\_Name.zip
  - This is the README file
  - Show the screenshots of all the requirements
  - Write down the locations (.html / .js) of the functions (tell us where can we try it)



# III. Submission Format

- README file example

Part 2: Show the popup automatically after page load

Location: b.html, b.js



# IV. Notion

- HW2 will be viewed under Google Chrome
- Delay / Copy = 0
- Compress all your files into HW2\_StudentID\_Name.zip (-20pts)
- If you have any questions, please contact all the TAs through E3 mail system
- Deadline
  - 10/16 23:59