

## WMDD 4835-01 **MIDTERM EXAM** (Bad Habit)

In this exam, you will create a single html page, a stylesheet, and a JS file.

### General Test Instructions

- You can, and should, use the Internet or notes for the exercise.
- You may not communicate with anyone other than me, in any form whatsoever.
- You may not use AI of any sort
- You may not use any Team Coding extensions
- Phones must remain in your bags, and your bags must be on the floor.
- No headphones.
- Only one person may go to the washroom at any one time.
- **Communication attempts of any sort, phone usage, or looking at classmates' work will be reported, and will result in a mark of zero for the test.**

### Specific Test Instructions

- Review the test before starting.
- Pay attention to what each section is worth.
- The exam is out of 85 points. There is a possible 15 bonus points.

Download and unzip the sample content. Name the folder like this:

**yourfirstname-yoursecondname-badhabit.**

Make an index.html file, a css file, and a javascript file.

### Basic Page Properties (3 pts)

- **System UI** font stack
- Colors: black, white
- Icons must be from Font Awesome. Icons used:  
circle-half-stroke, search, thumbs-down, thumbs-up, share-nodes

### Header Markup (5 pts)

- Two Buttons (mode, search)
- H1 with site title (bad habit)
- Search input and submit button with icon

## Main Markup (10pts)

- There is one image in the starter content.
- In the starter content, the file **rawtext.txt** contains 12 blocks of text.
- Those blocks will be used in your index.html file.
- Make 12 articles: each needs to have the elements described below:
  - An h2 containing seven words **of unique** lorem ipsum
  - The badhabit image
  - A paragraph containing one of the text blocks from rawtext.txt. Each article will have a different text block.
  - Three buttons: thumbs up, thumbs down, and share-nodes
- You can use any divs, spans, or other elements that you feel will help your styling.

## Footer Markup (2 pts)

- © 2026 badhabit inc

## Header Styling (5 pts)

- Two buttons, centered, touching top of window
- H1 scales with page width, approximately as wide as main content area
- Do not worry if the H1 text wraps while browser is being resized, but it must return to a single line when the resizing stops.
- See screenshots

## Single Article Styling (10 pts)

- The single article form is the same at all screen sizes.
- Pay close attention to sizing of elements in single articles.
- Note the alignment of the buttons in the bottom of each article.
- Note that the button areas of adjacent articles will always align.
- See screenshots.

## Article Area Layout (10pts)

- One column, two column, three column
- Area never gets wider than 1400px
- Area is always centered
- Note the spacing between rows and columns in this area.
- Note alignments

## Article Titles (10 pts)

- Use **-webkit-line-clamp** property to limit headings to a maximum of two lines
- This will require some research
- Make sure article title lines never take only one line at any screen size

## Footer Layout (5 pts)

- Copyright text scales with browser width
- Copyright text is centered
- Note the spacing

## Body Layout (5pts)

- Note the spacing and alignments at different sizes

## Interactivity Pt 1: Buttons (5 pts)

- When hovered, button elements will reverse color (black to white, or white to black)
- When buttons are hovered, the cursor changes to the “hand”

## Interactivity Pt 2: Header Button Behaviour (15 pts)

**Choose one of the following options. Each will require a small amount of JavaScript.**

### **Option1: Dark Mode / Light Mode**

- When the **MODE** button is clicked, dark mode is toggled on or off
- Everything in the document will reverse. White elements will become black, and vice versa.
- Don't forget the button hovers. They must also reverse their behaviour.
- The image must change color, too (grey or white is fine). This will require CSS filters.
- These changes must have a short transition between the colors (when dark mode is turned on, and when it is turned off (ie we go back to light mode)).

### **Option 2: Search Reveal Behaviour**

- When the **SEARCH** button is clicked:
  - The site-title (h1) scales significantly smaller. This has a transition.
  - The search form appears, fading in with a transition.
- Make the text in the search input bigger as the page gets bigger
- Make sure the search form fits within the page at all sizes

## Bonus Task: First Article Layout (15 pts)

- For an extra 15 pts, make the layout of the first article appear as it is in the bonus screenshot
- This layout occurs only when there is enough room for the text to work well.
- For that reason, you must choose an appropriate breakpoint.
- Note: you cannot get more than 100% on this exam.
- The 15 pts is only to make up for any marks you might have missed elsewhere in the test.