



Individual Assignment 1

COMS W4170: User Interface Design (Fall 2025)

DUE: Friday, Sept. 12, 2025 at 11:59pm ET

Part 1: Layout in HTML + CSS:	30 pts
Part 2: To-Do List Layout:	18 pts
Part 3: Semester Project Preparation:	12 pts
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TOTAL:	60 pts

SUBMISSION INSTRUCTIONS:

Please submit all of your files electronically via Gradescope. For ease of grading, we ask that you submit your files directly and that you do not submit them as a .zip file.

If you have trouble submitting your files, please post a question to Ed Discussion and/or come to our office hours.

PART 1: LAYOUT IN HTML + CSS

(30 points)

In this part, we will practice laying out pages in HTML and CSS by recreating the layout below: a property title deed card from the Monopoly board game. Using only basic HTML elements such as `<div>`, ``, and `
` (but no `<table>` elements!), recreate the title deed layout below. You may use CSS Grid for the layout if you like, but it is optional and may be more effort than it is worth. We did not cover CSS Grid in class, but we provide curated resources for learning CSS Grid in the *Textbooks and Additional Resources* document on CourseWorks.

As shown here, the title deed card includes a white margin (or padding?) around its black border. The blue striped background shows that the card should be horizontally centered on the webpage; you do not need to recreate this background.



The recreation should be as faithful as possible, preserving all visible margins, text alignment, relative font sizes, etc. We will deduct points for flaws in your recreation of this card. We recommend that you use a different `<div>` tag for each section of text with different size or alignment properties.

For this exercise, it is not necessary to preserve the typeface itself; any reasonable font choice will get full credit. The copyright sign at the bottom of the card can be rendered in HTML with `©` as shown on the following webpage:

<https://www.freeformatter.com/html-entities.html>

PART 2: TO-DO LIST LAYOUT

(18 points)

In this part, we will begin building a to-do list web application to practice our web development skills further. This part will focus on creating the static layout using HTML and CSS. In Individual Assignment 2, we will practice JavaScript development by extending this work into a fully functioning to-do list app.

We will recreate the layout shown in the image below. The page's background is light gray (#f4f4f4), and the to-do list is centered horizontally, with a space of 50px above the list itself. Please obey the following aspects of the layout:

- The app should be responsive, meaning that its width resizes to fit both desktop and mobile devices well.
- Arial typeface throughout
- Main heading ("To-Do List") of size 2em, secondary headings (e.g., "Leo") of size 1.17em, bottom button labels ("Clear Completed," "Reset") of size 0.81em (13px), and other label text of size 1em (16px).
- The font weight of all headings is bold.
- Rounded corners of 10 px around the list
- A 10px box shadow around the list (you can use the box-shadow CSS attribute for this)
- Rounded corners of 5 px around each task
- A background color of #f4f4f4 for each task
- The "Add" and "Assign" buttons have a background color of #007bff and a hover state color of #0056b3.
- The "Clear Completed" button has a background color of #64d05e and a hover state color of #4ea649.
- The "Reset" button has a background color of #c3c3c3 and a hover state color of #8f8f8f.
- All buttons feature a short transition animation between their background color and the hover state color when the user hovers the cursor over them. You can add this by setting the buttons' background-color CSS attribute to 0.3 seconds ("0.3s").

The text field, date picker, and checkboxes can be added using:

- `<input type="text">`
- `<input type="date">`
- `<input type="checkbox">`

The drop-down menu should be implemented using the `<select>` tag and nested `<option>` tags.

To-Do List



Arnavi

Set up Flask server

Due: 2099-10-01 ☐

Set up Git repo

Due: 2099-10-01 ☐

Laura

Draft weekly plan

Due: 2099-09-28 ☐

Leo

Survey existing apps

Due: 2099-09-28 ☐

PART 3: SEMESTER PROJECT PREPARATION

(12 points)

In this part, we ask you to brainstorm your own ideas for the Semester Project to start preparing for the project and to start thinking through the usefulness of your ideas to target user populations. We also ask you to introduce yourself to the class as a way of getting to know each other and finding teammates. Please see the Semester Project synopsis for information on how to request that you and any particular classmates be on the same team.

1. List eight different ideas for the Semester Project with the following two items specified for each idea:

- a) Target user population
- b) Their need or the problem that they face

(8 pts)

2. Post a message on the CourseWorks discussion board (i.e., the Discussions section) introducing yourself. We will include “human being introductions” in addition to the usual “human doing introductions” (where people introduce their education, career, etc.). Please share the following:

- Name/pronouns
- Where you grew up
- Your major and program (e.g., Barnard, SEAS, MS program)
- Things you do for fun
- Types of things you are interested in for the Semester Project, and why
- @mention any friends that you intend to look for teammates with

To get credit for this part, copy your discussion board post’s URL and paste it as your answer to this question for this assignment (as your “answer” to Part 3 #2). You can copy the post’s URL by clicking the “:” (“More Actions”) button at the top-right of your post and choosing “Copy Link.”

(2 pts)

3. Complete the following Google Form to let us know your team preferences:
<https://forms.gle/Mb4aYQTWWS7t1HsCA>

You can copy→paste relevant parts of your discussion board post from #2. To get credit for this part, paste your response to the form’s multiple-choice question in your CourseWorks submission for this assignment (as your “answer” to #3 in this assignment).

(2 pts)