# PIC 40A: Homework 9 (not for turning in this quarter)

Like on previous homeworks, it is important that you meet the following requirements.

- You must upload your files to **Gradescope** before the deadline.

- You must upload your files to the **PIC server** in the appropriate directory before the deadline.

- Both submissions must be **identical** (down to the character).

  **Never** make changes to the PIC server submission after the deadline.

  (We can see when a file was last modified.)

- You must tell us (me and the grader) your **PIC username**.

- You must **validate** your HTML using https://validator.w3.org/.

In this assignment you will submit four files...

1. `README.txt`.

   This will contain your PIC username.

2. `shut_the_box.html` and `shut_the_box.js`.

   You made these files on HW3 and resubmitted them on HW4. To answer this assignment, I only needed to add one line to each file. Depending on how you solved HW3 and HW4, you may need to add or edit a little more.

3. `style.css`.

   This will add style to your Shut The Box game page.

As mentioned above, you should submit all files to Gradescope before the deadline.
You should also submit the files to the PIC server. Save them in the directory

   `/net/laguna/???...???/your_username/public_html/HW9`

(in the folder `HW9` within `public_html`). We should all be able to test your live webpage at

   www.pic.ucla.edu/~your_username/HW9

Now, I am just left to tell you what I want these files to achieve. Go over the page for that!

Create a file called `style.css` and add a line saying `<link rel="stylesheet" href="style.css">` to the `<head>` element of `shut_the_box.html` to give your Shut The Box game style.

- Use a **font** and **color scheme** different than Chrome's default;

- use at least one **border**;

- use the same **text alignment** as in the demonstrational video.

Also,

- the "Roll dice" button and the dice roll result should be `align`ed and `displayed` so that...

  - they are on the same line when there is enough space;
  - the button and the text "Result:" do not move between dice rolls and box selections;
  - after rolling two dice, the "Roll dice" button and the "Result" are very close to central. I say "very close to central" because the previous point together with the different widths of `1 + 1 = 2` and `6 + 6 = 12` make it impossible to be exactly central (without awkward spaces). My "solution" is slightly left of central.
  - A dice roll, e.g. `6 + 6 = 12`, should never be spread across two lines;
  - resizing your browser window should not destroy the previously described behavior.

  See the **demonstrational video** for an example.

  *I'd use the `display` and `width` property on a `<span>` element.*

- The Shut The Box **boxes** should look like boxes!

  *`<table>` elements are annoying to style, so don't worry if your boxes don't look very good.*

Edit `shut_the_box.js` so that

- boxes corresponding to disabled checkboxes are displayed in a different color.
  See the **demonstrational video** for an example.

(If you're really keen, you could add the `<link>` element to your HW8 PHP files - `login.php`, `welcome.php`, `shut_the_box.php`, and `scores.php` - to give your entire Shut The Box project style, but this is not necessary for full credit: it's okay just to focus on `shut_the_box.html`.)

**Grading: each bullet point is worth 1 point.**