

Basic HTML Tags

In-class exercise 3

1. W3C school (<https://www.w3schools.com/>)
2. HTML tag structure

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8" />
  </head>
  <body>
    <h1> My Dream House </h1>
    <form>
    </form>
  </body>
</html>
```

3. New input types in html5.

```
<input type="color"><br>
<input type="date"><br>
<input type="time"> <br>
<input type="datetime-local"><br>
<input type="week"><br>
<input type="month"><br>
<input type="number" min="0" max="7" step="1" value="4"><br>
<input type="range" min="0" max="20" value="10"><br>
<input type="search"><br>
<input type="email"><br>
<input type="url"><br>
<input type="tel" > <br>
<input type="submit" value="Submit" ><br>
```

(0) Use 2 as the base to create a form with the POST method. After clicking the submit button, the form should send the data to “http://httpbin.org/post”

(1) Use fieldset with the legend “Location” to create a subform.

(2) In the subform “Location”, create following inputs with corresponding requirements.

- I. Zipcode (text). Requirements: A. Size = 5 B. Only 3-digit numbers are allowed. (Hint: html input pattern)
- II. Address 1 (text). Requirements: A. Size = 50. B. Only addresses are shorter than 20 characters are allowed. Use placeholder to show a default hint for users “Address longer than 20 characters, use the address 2”
- III. Address 2 (textarea). Requirements: A. Rows = 5 Cols = 20.

- (3) Use fieldset with the legend “Preference” to create another subform.
- (4) In the subform “Preference”, create following inputs with corresponding requirements.
- I. Painting Color (color). Requirements: Make the default color Blue “#0000FF”
 - II. Time you want to visit Open House (time). Requirements: A. Only times from 10am to 4pm can be selected.
- (5) Use fieldset with the legend “Contact me” to create another subform.
- (6) In the subform “Contact me”, create following inputs with corresponding requirements.
- I. Name (text). Requirements: A. Only lower-cased English alphabets are allowed. B. The name cannot be shorter than 4 characters. (No numbers or upper-cases are allowed, Hint: html input pattern)
 - II. Phone (text). Requirements: Only numbers longer than 7-digit are allowed. (Hint: html input pattern)
- (7) Create two buttons: Submit and Reset for the form.
- (8) Store the html as “Exercise3.html”
- (9) Create another html “Exercise 3_1.html”. Store your previous exercises (1, 2, and media folder) in the same folder with Exercise3 and Exercise3_1.
- (10) In Exercise 3_1, Create 3 hyperlinks as following:
1. Exercise 1
 2. Exercise 2
 3. Exercise 3
- (11) In Exercise 3_1, create an iframe with width = 600 and height = 400 below the hyperlinks.
- (12) In Exercise 3_1, while clicking one of the above hyperlinks, the iframe should show the corresponding webpage in the iframe.
- (13) Zip all the files (including: Exercise1.html, Exercise2.html, Exercise3.html, Exercise3-1.html, and media folder). Upload the zip file to your moodle.

Exercise3.html

My Dream House

Location	
Zipcode:	<input type="text"/>
Address1:	<input type="text" value="Address longer than 20 characters, use the address 2"/>
	<input type="text"/>
Address2:	<input type="text"/>
Preference	
Painting Color:	<input type="color" value="blue"/>
Time you want to visit Open House:	<input type="time" value="--:--:--"/> <input type="button" value="⌚"/>
Contact me	
Name :	<input type="text"/>
Phone:	<input type="text"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

Exercise3_1.html

[1. Exercise 1](#)

[2. Exercise 2](#)

[3. Exercise 3](#)

Exercise3_1.html (After clicking the exercise 2 link)

[1. Exercise 1](#)

[2. Exercise 2](#)

[3. Exercise 3](#)

