

ITCS212 - Web Programming

Lab 2: HTML (Part II)

MUST READ:

- There are 2 questions to be completed (Q1 and Q2). Both questions must be **submitted on MyCourses** following the naming convention
- **Q1 must be submitted by today's class time by 5 pm.** (Bangkok time). You must notify LAs via the SOS sheet to grade your work
- **Q2 must be submitted by today at 11:55 pm** (Bangkok time)
- You **must** submit Q1 within class time to be able to submit Q2
- **No late submission allowed**
- The SOS sheet are here: [\[sec1\]](#)[\[sec2\]](#)[\[sec3\]](#)

Q1: Write HTML code to generate the form consisting of the following elements.

- The form must have the fieldset with the legend “Registration” sized `<h1>`
- **Text field:** Student ID, First name, and Last name
- **Date picker:** Birthday
- **Radio buttons:** Gender - IDK (Default Value), Female, and Male
- **Checkboxes:** Hobbies - Basketball, Football, Programming, Photography and Gaming
- Submit and Clear **buttons**. **Hint:** use the correct `type` of button
- The form must provide the following validation:
 - The required inputs are student ID, first name, and birthday
 - Student ID must follow the format of ##### where # is a digit number between 0-9
 - Firstname and lastname must be only alphabet letters (i.e. lowercase or uppercase)
 - The date picker of birthday must start from January 1, 2000 [\[Hint\]](#)

The example of the screenshots (zoom-in for clarification) are:

The left screenshot shows a web browser window with a form titled "Registration". The form contains the following elements:

- Student ID:
- First name:
- Last name:
- Birthday:
- Gender: ☒ IDK ☐ Female ☐ Male
- Hobbies: ☐ Basketball ☐ Football ☐ Programming ☐ Photography ☐ Gaming
- Submit: Clear:

The right screenshot is a zoomed-in view of the form, showing the date picker for Birthday. The date picker is set to January 2021, and the 20th is selected. The form also includes a Submit button.

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Registration

Student ID

First name

Last name

Birthday

Gender: ☒ IDK ☐ Female ☐ Male

Hobbies:

☐ Basketball ☐ Football ☐ Programming

☐ Photography ☐ Gaming

Submit your HTML file, named as **6X88XXX_secY_q1.html**, by class's time 5 pm; where 6X88XXX is your Mahidol student ID and secY is your section. **Note:** you must notify LAS via the SOS sheet to grade your work before submitting it to MyCourses

Q2: Download `q2.zip` from MyCourses. After extracting the zipped file, there will be one HTML file and the "Images" folder. The given HTML page **does not** apply the semantic elements (i.e., it uses `<div>` to indicate the portion of the page). For example,

```
<div class="header" id="top">
    <h1>Fundamentals of Web Programming</h1>
</div>
```

Your job is to **understand the structure of the page and modify the given HTML page to use the following semantic elements** (i.e., instead of using `<div>`, you use the tags that have more meanings to the browsers and to yourself as a developer)

- `<header>`
- `<footer>`
- `<nav>`
- `<section>` or `<article>`
- `<figure>` and `<figcaption>`

Note: you can also use the other semantic elements found in [here](#) if you found it is more appropriate. Do not forget to put your name, section, and ID in the `<title>` tag and also in the footer content of the page.

Submit only your modified HTML file, named as `6X88XXX_secY_q2.html` by the end of the day 11:55 pm via MyCourse (where 6X88XXX is your Mahidol student ID and secY is your section) **No need** to include other image files or the zipped file and **No need** to notify your LAs for this question
