

[IS113] Exercises - Week 2 - HTML

Objectives

- To master HTML concepts
- To practice on Headings, Image, Hyperlink, Form, List, Input, Select tags
- To practice on relative vs. absolute links
- To practice on table with rowspan, colspan

Instructions

- Questions with no asterisk mark are easy peasy.
- Questions marked with * are slightly challenging.
- Questions marked with ** are challenging.
- Questions marked with *** are very challenging.

Download

- **Resources:** Click [here](#)

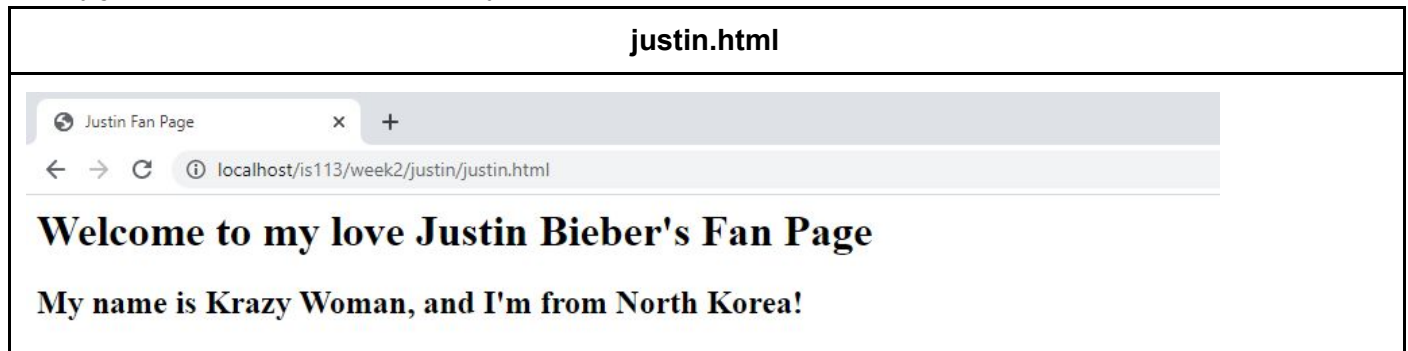
NOTE: If you spot any mistakes/errors in the questions, please contact your instructors by email and state the issues. We will try to address it as soon as possible.

Question 1 - Justin (*/**)

Go to **justin** directory (<webroot>/is113/week2/justin/). Complete all parts.

Part A (*)

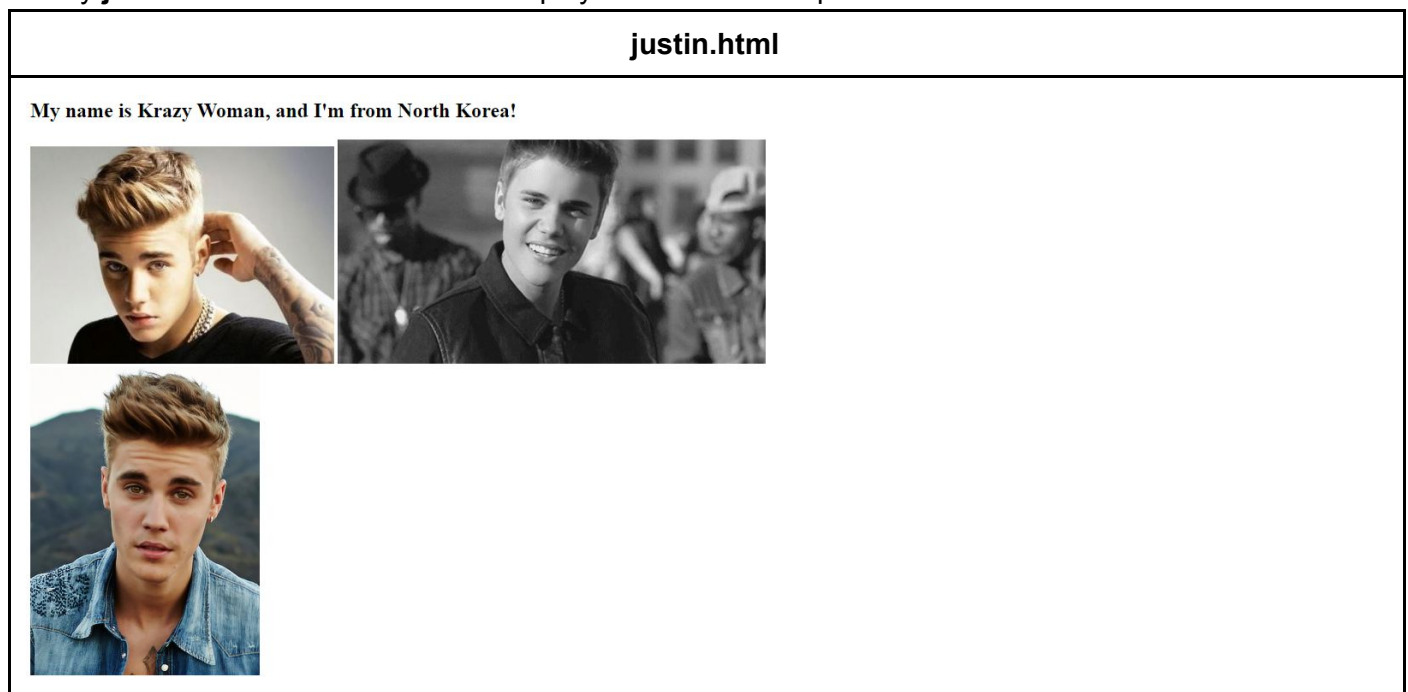
Modify **justin.html** such that it displays as follows:



- Browser **tab** must display “Justin Fan Page”
 - **Reference:** https://www.w3schools.com/html/html_head.asp
- “Welcome to my love Justin....” must use **Heading-1**
- Display your **name** and **country** using **Heading-2**
 - **Reference:** https://www.w3schools.com/html/html_headings.asp

Part B (*)

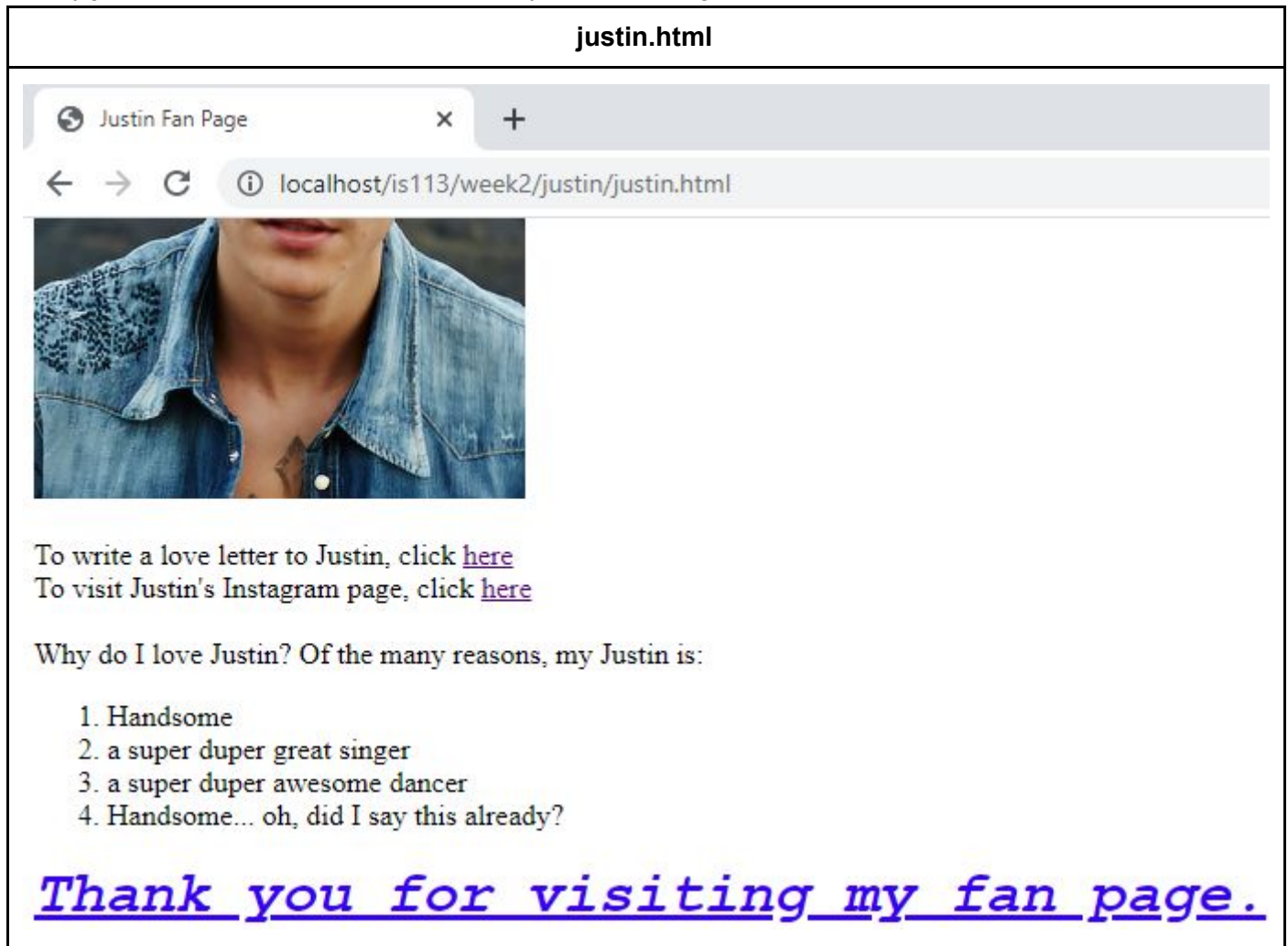
Modify **justin.html** further such that it displays his *handsome* photos as follows:



- 1st and 2nd images:
 - <webroot>/is113/week2/justin/images/ folder contains 2 image files.
 - **Reference:** https://www.w3schools.com/tags/tag_img.asp
- 3rd image
 - URL: <http://supremeleader.info/justin3.PNG>
 - If this **external link** is unavailable (e.g. Supreme Leader’s web server is down), refer to **justin3.PNG** inside your local <webroot>/is113/week2/justin/images/ folder.
 - 3rd image must be in a new line
 - **HINT:**
 HTML tag
 - **Reference:** https://www.w3schools.com/tags/tag_br.asp

Part C (*)

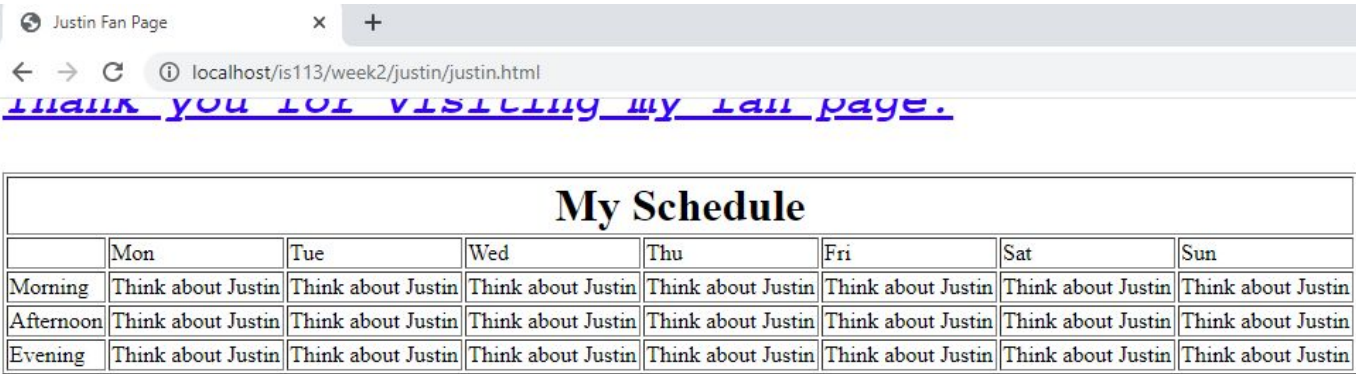
Modify **justin.html** further such that it displays the following:



- Below the 3rd image of Justin, place a **hyperlink** to **letter.html** (which you will complete later on).
 - Look inside `<webroot>/is113/week2/justin/special` directory
- In a new line, place a **hyperlink** to his **Instagram page**.
 - When it is **clicked**, browser must open a **new tab/window**.
 - **Reference:** https://www.w3schools.com/tags/att_a_target.asp
- Why do you love Justin so much? List your reasons as an **ordered list**.
 - **Reference:** https://www.w3schools.com/html/html_lists.asp
- Display "Thank you for visiting my fan page". You must style it such that it is:
 - **Bold/Strong**
 - *Italic*
 - Underlined
 - In **color blue**
 - In **size 6**
 - In **font face** Courier New
 - **References:**
 - Font: https://www.w3schools.com/tags/tag_font.asp
 - Text Formatting: https://www.w3schools.com/html/html_formatting.asp
- **NOTE:** In **IS113-WAD1**, **CSS** will **NOT** be tested. You will learn **CSS/JavaScript** in detail in your next module **IS216-WAD2**.

Part D (*)

Modify **justin.html** such that it displays your weekly schedule:

| justin.html | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|  | | | | | | | |
| My Schedule | | | | | | | |
| | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| Morning | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin |
| Afternoon | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin |
| Evening | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin | Think about Justin |

- Take note in the **first row**:
 - “My Schedule” text **spans MULTIPLE columns**
 - In both **<th>** and **<td>**, you can use **colspan** attribute.
 - Reference: https://www.w3schools.com/tags/att_td_colspan.asp
 - “My Schedule” text is of **font size 6**.
 - “My Schedule” text is **centered**. While you can use **<center>** tag (or equivalent CSS), you can also use **<th>** (in place of **<td>**):
 - Reference: https://www.w3schools.com/tags/tag_th.asp

Part E (**)

Modify **justin.html** such that it displays your darling Justin’s weekly schedule:

justin.html

Justin Fan Page

localhost/is113/week2/justin/justin.html

My Darling Justin's Schedule

| | | | | | | | |
|-----------|-------------|-----|----------|-----|--------------|-------|-----------|
| | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| Morning | Sleeping In | | | | Drink | Shave | |
| Afternoon | Earn Money | | Call Mom | | Take Selfies | | Comb Hair |
| Evening | | | Call Dad | | Party Baby! | | |

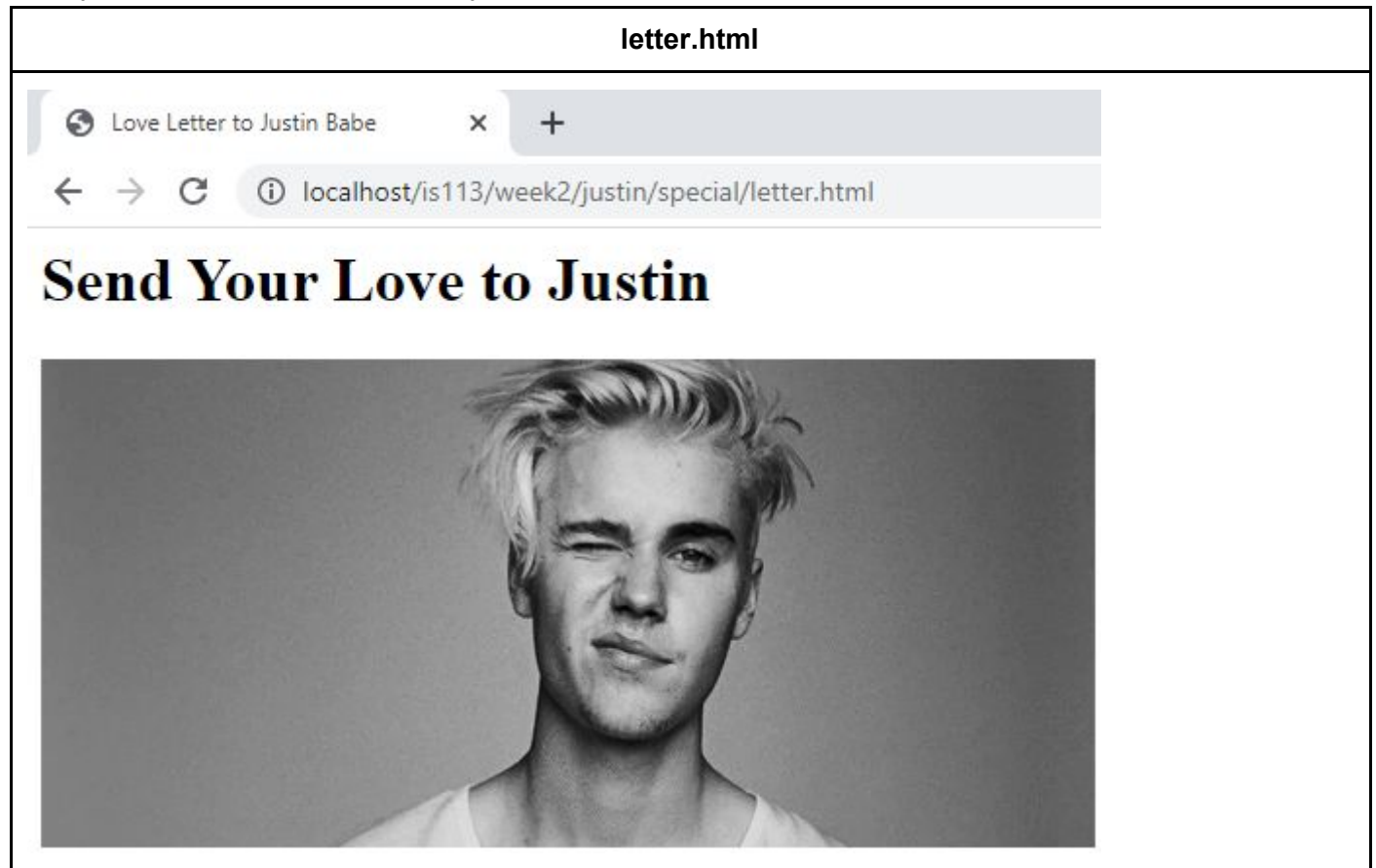
- In **row 4**, you will encounter both **rowspan** and **colspan**.
 - Rowspan**: https://www.w3schools.com/tags/att_td_rowspan.asp
 - Colspan**: https://www.w3schools.com/tags/att_td_colspan.asp
- In a **<th>** or **<td>**, can you use both **rowspan** and **colspan** attributes?
 - Absolutely can!
 - Try on your own!

Justin heard you! He is VERY THANKFUL for your devotion & love.
He wishes you to build a new webpage - for millions of other Justin fans to send him a love letter everyday.

Part F (*)

Go to **webroot/is113/week2/justin/special/** directory.

Modify **letter.html** such that it displays as follows:



- Browser **tab** must display “Love Letter to Justin Babe”
- “Send Your Love to Justin” must use **Heading-1**
- Image
 - **<webroot>/is113/week2/justin/images/** folder contains two image files.
 - Use **justin4.gif**
 - What are **two “relative”** links to **justin4.gif**?

Part G (*)

Modify **letter.html** such that it displays a **form** as shown below:

letter.html

Love Letter to Justin Babe

localhost/is113/week2/justin/special/letter.html



Full Name:

Age:

Gender:

Male

Relationship Status (please be truthful):

☐ Single

☐ Attached

☐ Complicated

Favorite Justin Songs:

☐ Sorry

☐ Baby

☐ Boyfriend

☐ Let Me Love You

☐ I Don't Care

Message to Justin:

Send My Love to Justin

Please name all **form elements** as instructed below:

- **Full Name**
 - **<input> text**, size 20, **name='fullname'**
 - **Reference:** https://www.w3schools.com/tags/att_input_size.asp
- **Age**
 - **<input> number**, minimum value allowed is 0, **name='age'**
 - **Reference:** https://www.w3schools.com/tags/att_input_type_number.asp
- **Gender**
 - **<select>**, **name='gender'**
 - Allowed values: **Male**, **Female**
- **Relationship Status**
 - **<input> radio**, **name='status'**
- **Favorite Justin Songs**
 - **<input> checkbox**, **name='songs []'** (songs followed by open and closing square brackets)
- **Message to Justin, name='message'**
 - **<textarea>** row size 3 and column size 50
- **Submit button**
 - **<input> submit**, change the default value to display "Send My Love to Justin"

A sample filled out form:

letter.html (when the form is filled out)


Love Letter to Justin Babe

×

+

← → ↻ ⓘ localhost/is113/week2/justin/special/letter.html

Send Your Love to Justin



Full Name:

Age:

Gender:

Relationship Status (please be truthful):

☐ Single

☐ Attached

☒ Complicated

Favorite Justin Songs:

☐ Sorry

☒ Baby

☐ Boyfriend

☒ Let Me Love You

☐ I Don't Care

Message to Justin:

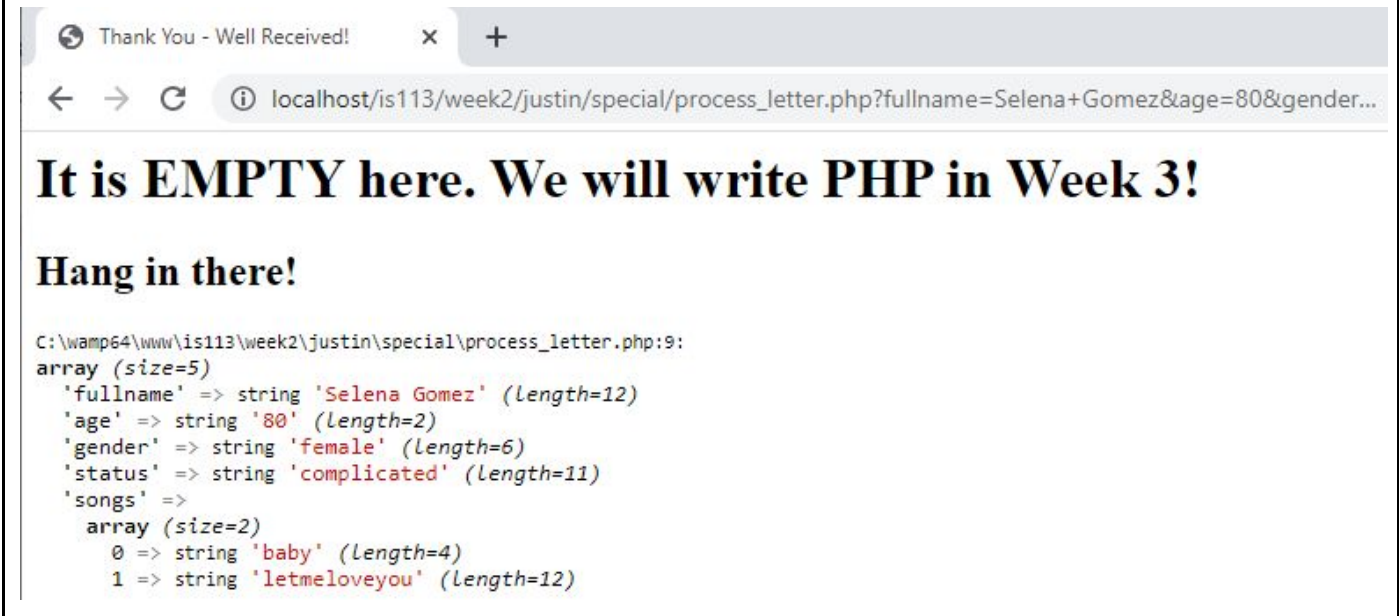
Justin, marry me!

⌵

Send My Love to Justin

When done, try Clicking the SUBMIT button!
See where it takes you!

process_letter.php



- See your browser's **address bar**.
 - Where are you now?
- You're in **webroot/is113/week2/justin/special/process_letter.php**
 - Have you seen this PHP file before? Yes, you have!
 - Go see **letter.html**

```
<form action='process_letter.php' method='GET'>
```

*Look at the **new URL !!!** OMG WHAT IS THIS?*

```
http://localhost/is113/week2/justin/special/process_letter.php?fullname=Selena+Gomez&age=80&gender=female&status=complicated&songs%5B%5D=baby&songs%5B%5D=letmeloveyou
```

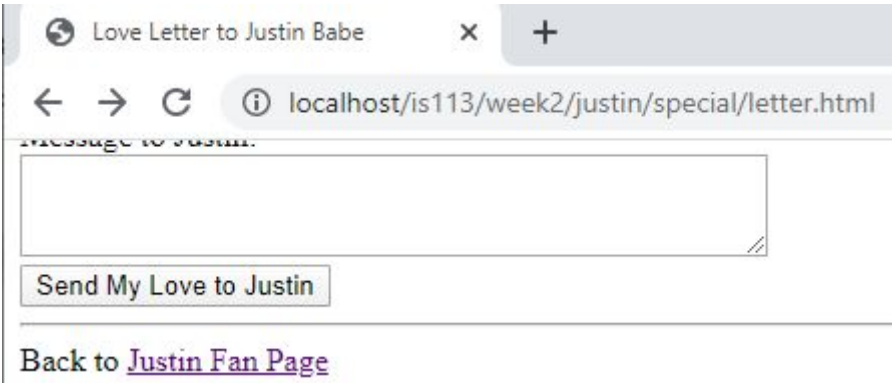


***We will cover this part in Weeks 3-5:
Building Dynamic Webpages using PHP***

Part H (*)

At the bottom of **letter.html** webpage, place a **hyperlink** back to **justin.html**.

Modify **letter.html** such that it displays as follows:

| letter.html |
|--|
|  |

- Clicking on **Justin Fan Page** hyperlink should NOT open up a new browser tab/window.
- **justin.html** must load in the **current browser tab/window**.
- **HINT:** You may use **absolute link** or **relative link**.

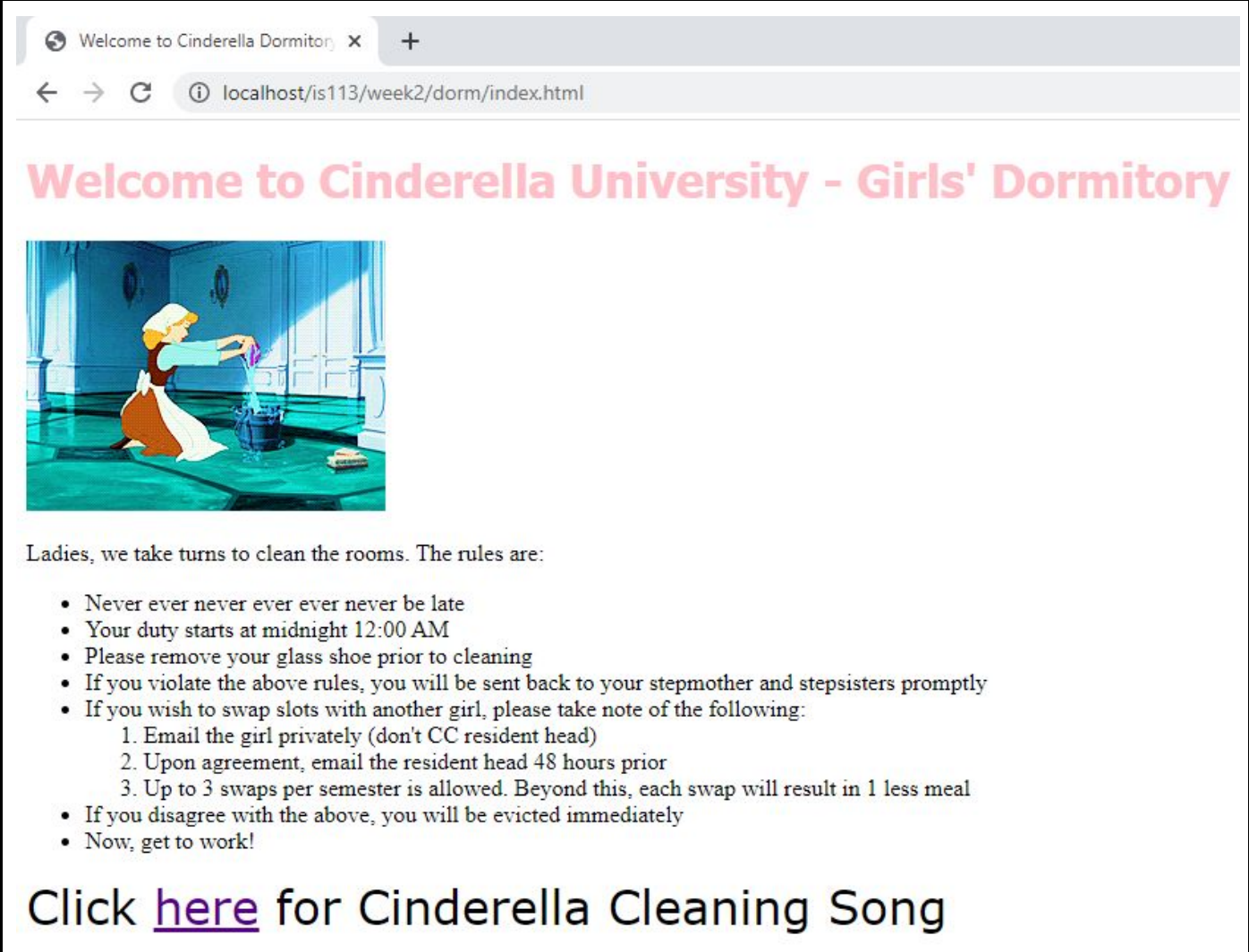
Question 2 - Cinderella (**/***)

Go to **cinderella** directory (<webroot>/is113/week2/cinderella/). Complete all parts.

Part A (**)


Modify **index.html** such that it displays as follows:

index.html



The screenshot shows a web browser window with the title "Welcome to Cinderella Dormitory". The address bar shows "localhost/is113/week2/dorm/index.html". The main content of the page is as follows:

Welcome to Cinderella University - Girls' Dormitory



Ladies, we take turns to clean the rooms. The rules are:

- Never ever never ever ever never be late
- Your duty starts at midnight 12:00 AM
- Please remove your glass shoe prior to cleaning
- If you violate the above rules, you will be sent back to your stepmother and stepsisters promptly
- If you wish to swap slots with another girl, please take note of the following:
 1. Email the girl privately (don't CC resident head)
 2. Upon agreement, email the resident head 48 hours prior
 3. Up to 3 swaps per semester is allowed. Beyond this, each swap will result in 1 less meal
- If you disagree with the above, you will be evicted immediately
- Now, get to work!

Click [here](#) for Cinderella Cleaning Song

- Browser **tab** must display "Welcome to Cinderella Dormitory"
- "Welcome to Cinderella University..." must use **Heading-1**
 - Use **font color pink**
- Image
 - <webroot>/is113/week2/cinderella/photos/ folder contains an image file.
- Under "Ladies, we take turns to clean the rooms. The rules are:", display an **unordered list** of dorm rules.
 - **NOTE:** The **5th item** in the unordered list has an **ordered list** as an item.
- Place a **hyperlink** to **Cinderella's Cleaning Song**
 - YouTube URL: https://www.youtube.com/watch?v=-_K60Dn2cU
 - Click on this link → browser must open this link in a new tab/window

Part B (***)

Modify **index.html** such that it displays “Level 1 - Floor Map” as an HTML table as shown below:

index.html

Welcome to Cinderella Dormitory x +

localhost/is113/week2/dorm/index.html

CLICK [HERE](#) FOR CINDERELLA CLEANING SONG

| Level 1 - Floor Map | | | | | |
|---------------------|------------|----------|-------|---------|--|
| Snow White | Aurora | | | | |
| | Cinderella | | Ariel | Jasmine | |
| | Pocahontas | Rapunzel | | | |
| | Belle | | | | |
| Mulan | | | | | |

- **HINT:** rowspan, colspan

Part C (**)

Modify **index.html** such that it displays as follows:

index.html

Welcome to Cinderella Dormitory x +

localhost/is113/week2/dorm/index.html

Cleaning Star Rating (December 2019)

| Overall Average 4.7 | Weekday (M-F) Average 5 | | | | Weekend (Sat-Sun) Average 4 | | |
|---------------------------|-------------------------------|-----|-----|-----|-----------------------------------|-----|-----|
| | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| | 5 | 5 | 5 | 5 | 5 | 4 | 4 |

- **HINT:** There is a **table** within a **table**