

[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](#)

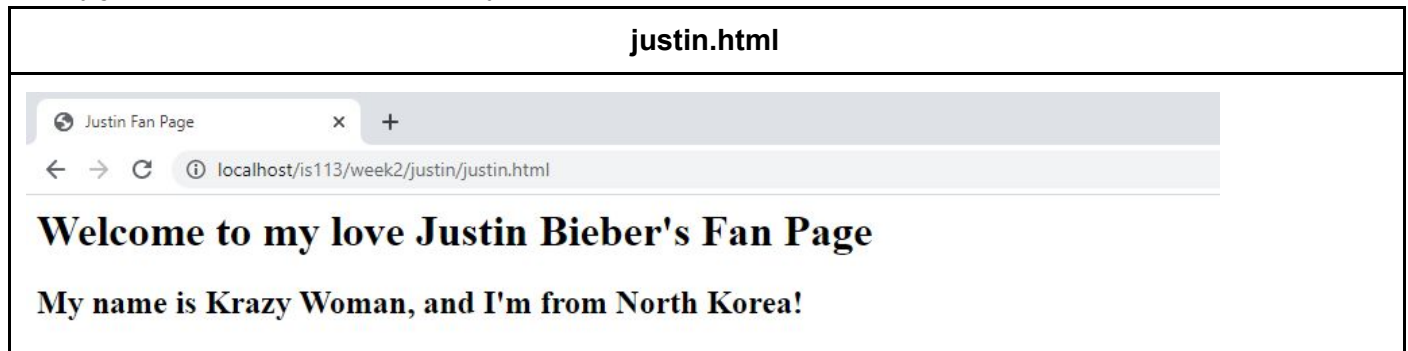
NOTE: If you spot any mistakes/errors in the questions, please contact your instructors by email and state the issues. We will try to address it as soon as possible.

Question 1 - Justin (*/**)

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

Part A (*)

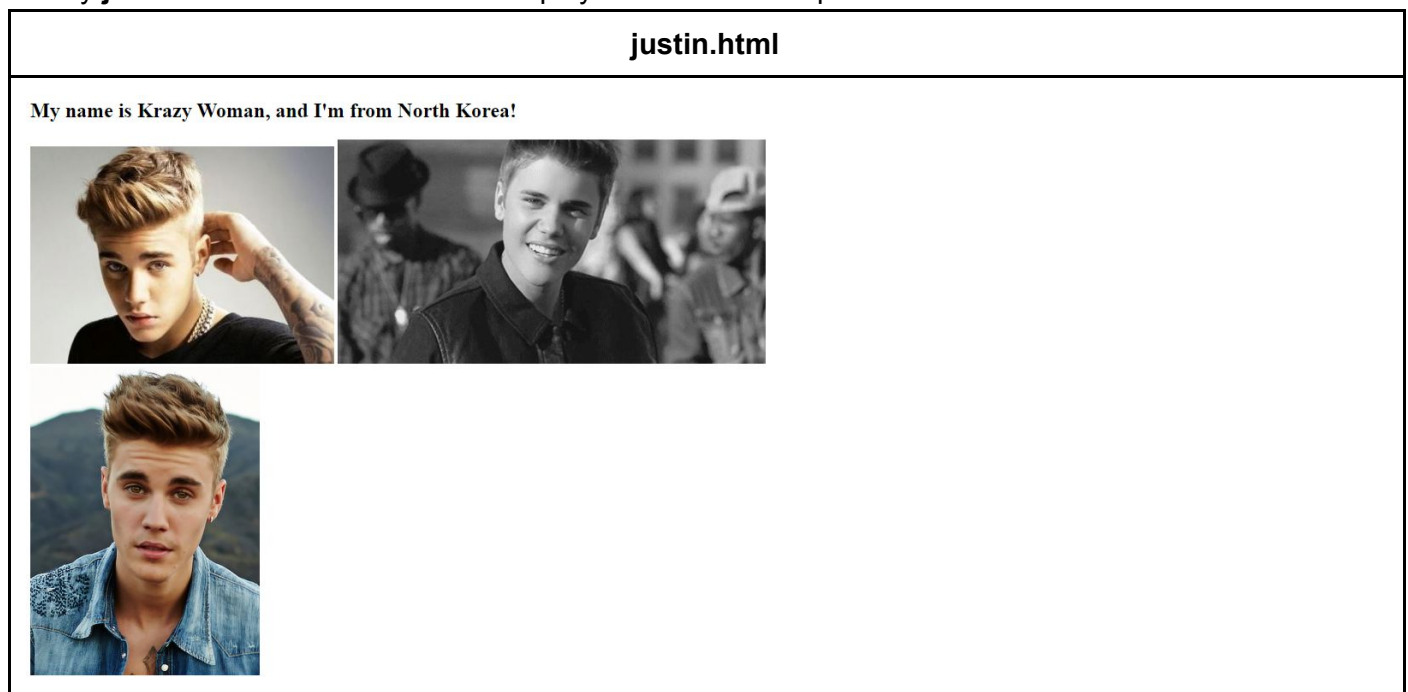
Modify **justin.html** such that it displays as follows:



- 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 (*)

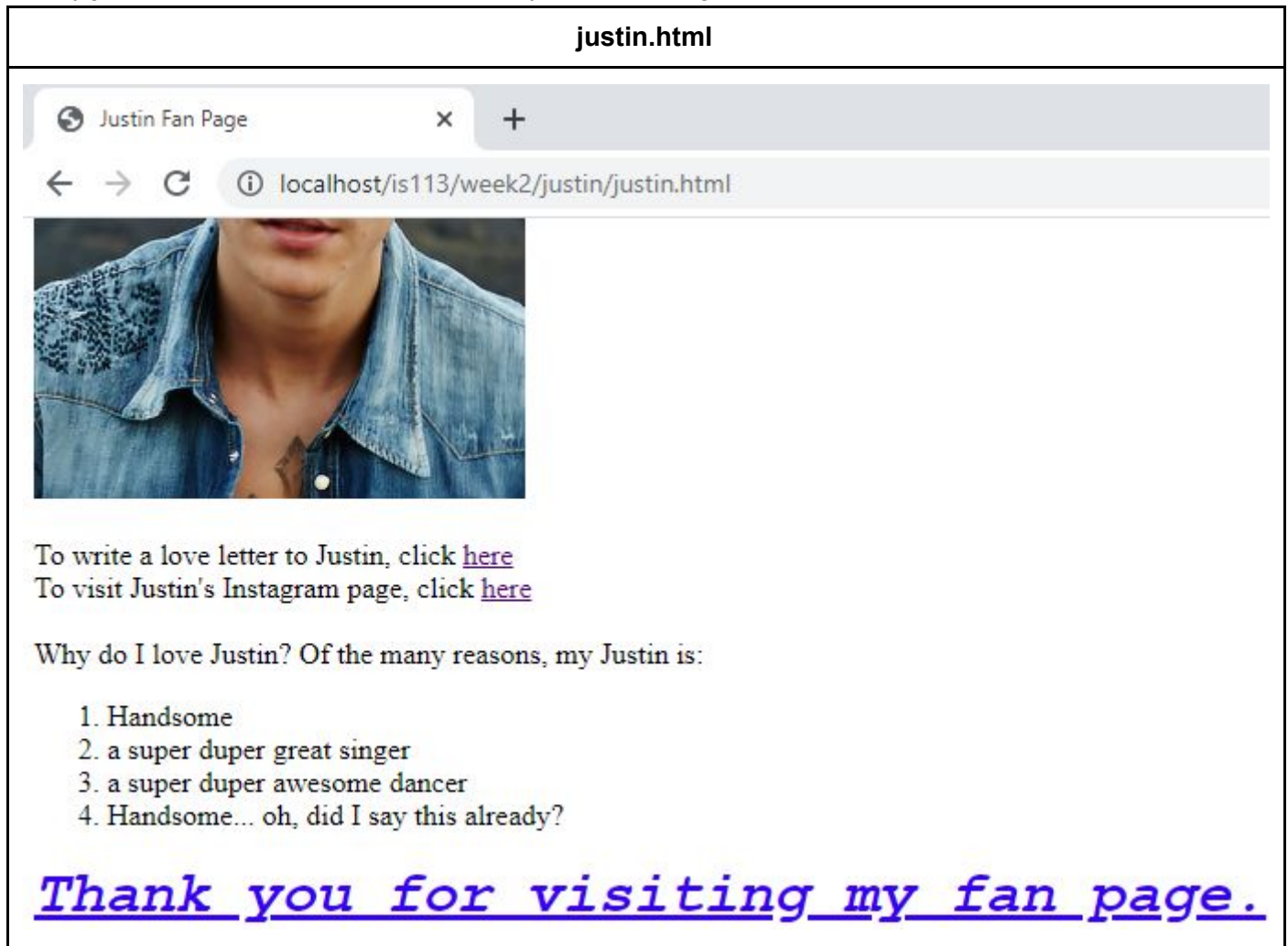
Modify **justin.html** further such that it displays his *handsome* photos as follows:



- 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!		

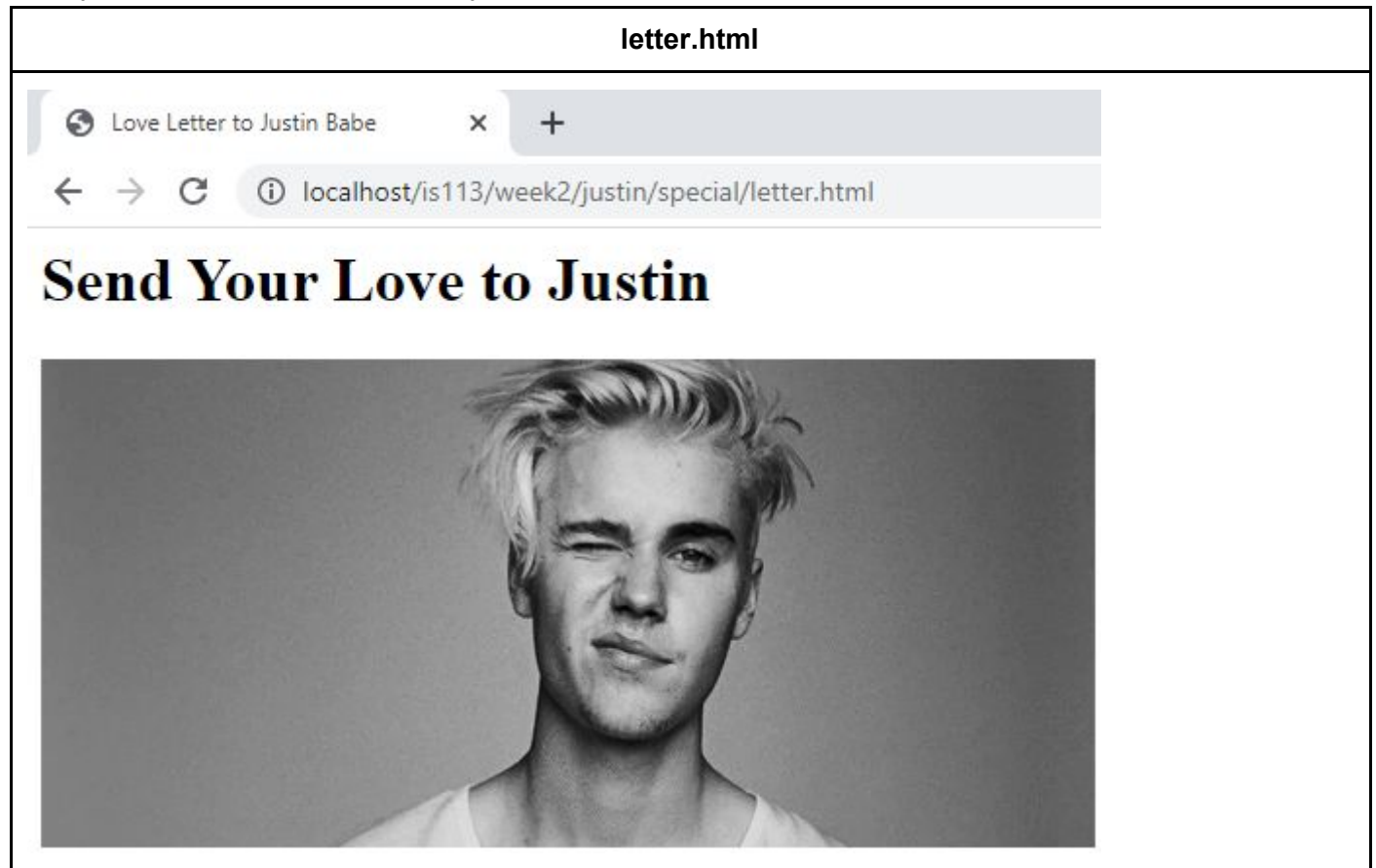
- In **row 4**, you will encounter both **rowspan** and **colspan**.
 - Rowspan**: https://www.w3schools.com/tags/att_td_rowspan.asp
 - Colspan**: https://www.w3schools.com/tags/att_td_colspan.asp
- In a **<th>** or **<td>**, can you use both **rowspan** and **colspan** attributes?
 - Absolutely can!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

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:

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:

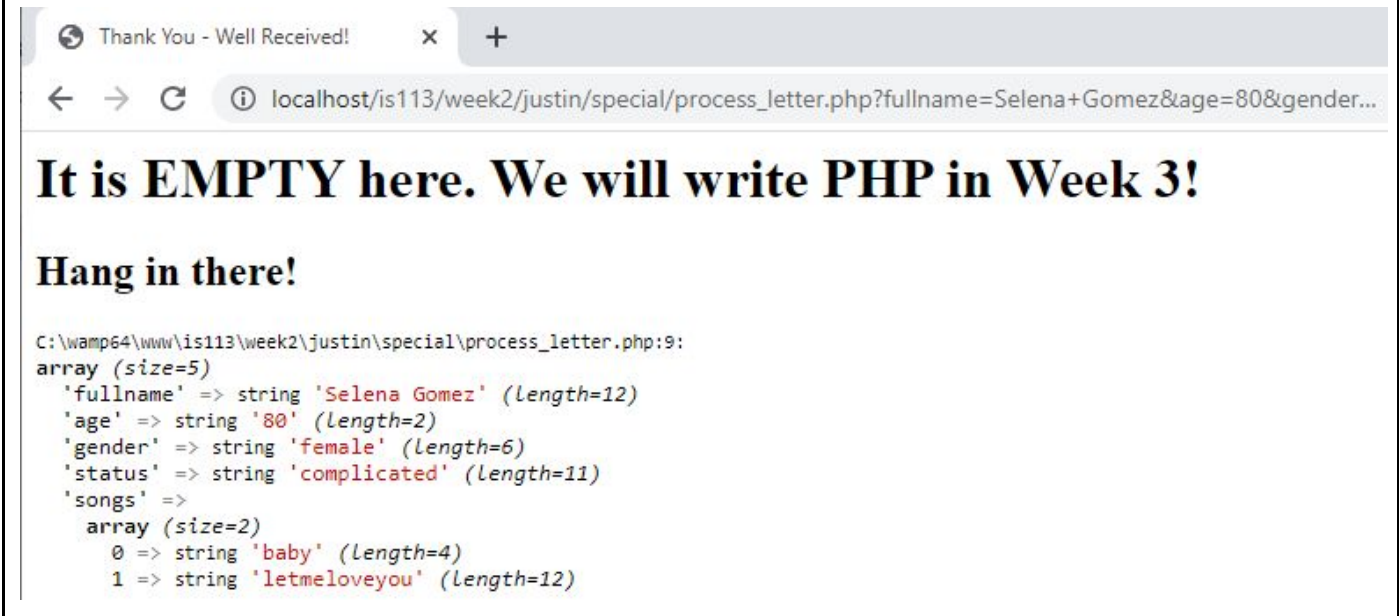
Justin, marry me!

⌵

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
```

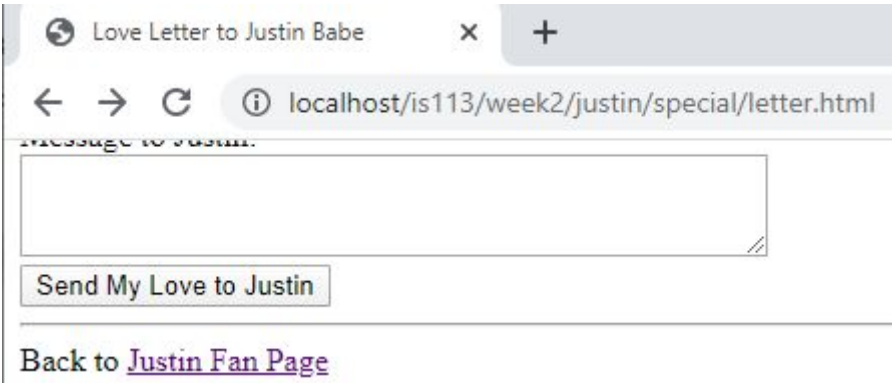


***We will cover this part in Weeks 3-5:
Building Dynamic Webpages using PHP***

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**.

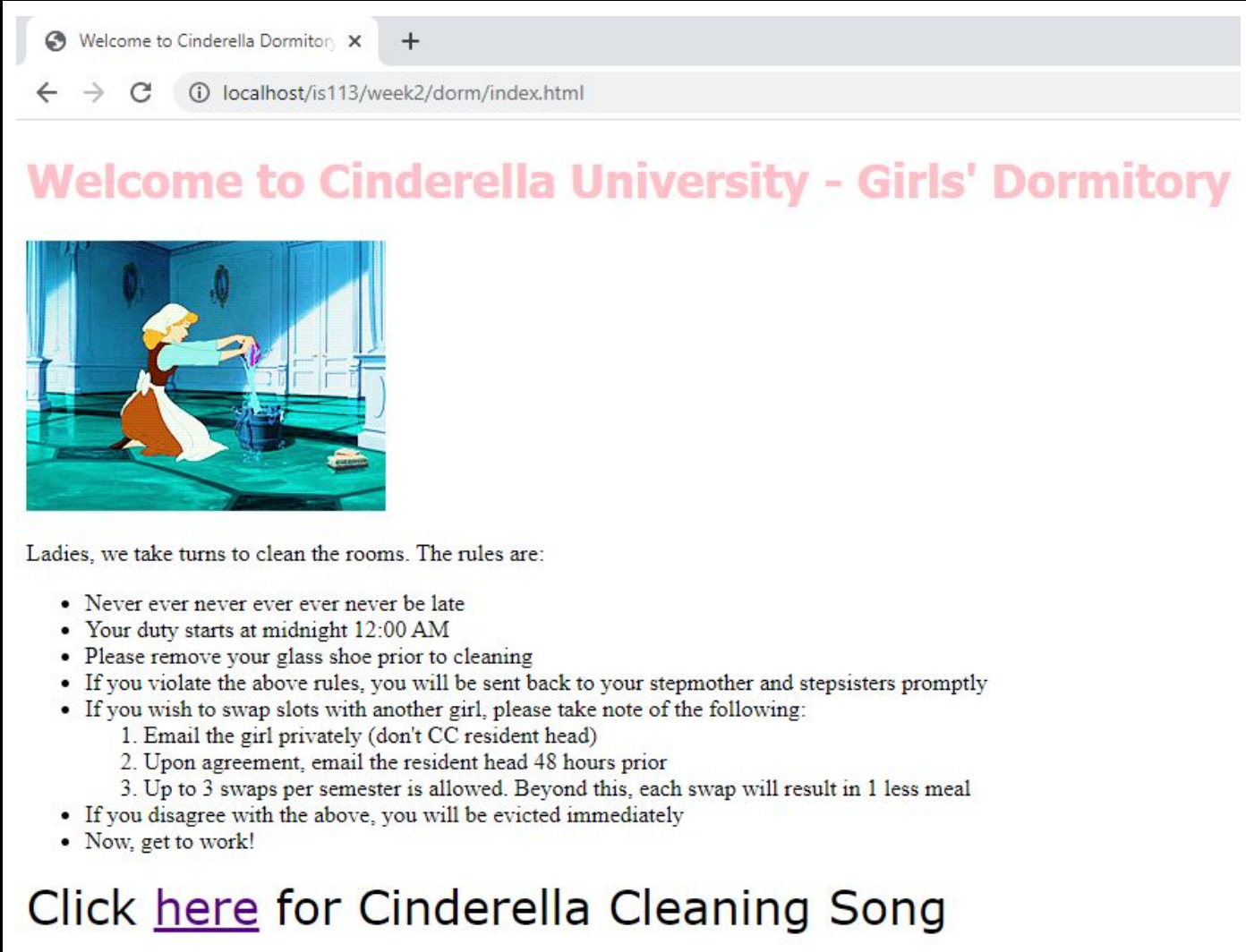
Question 2 - Cinderella (**/***)

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



The screenshot shows a web browser with the title "Welcome to Cinderella Dormitory" and the URL "localhost/is113/week2/dorm/index.html". Below the browser window, there is a link "CLICK HERE FOR CINDERELLA CLEANING SONG". Below the link is a table titled "Level 1 - Floor Map".

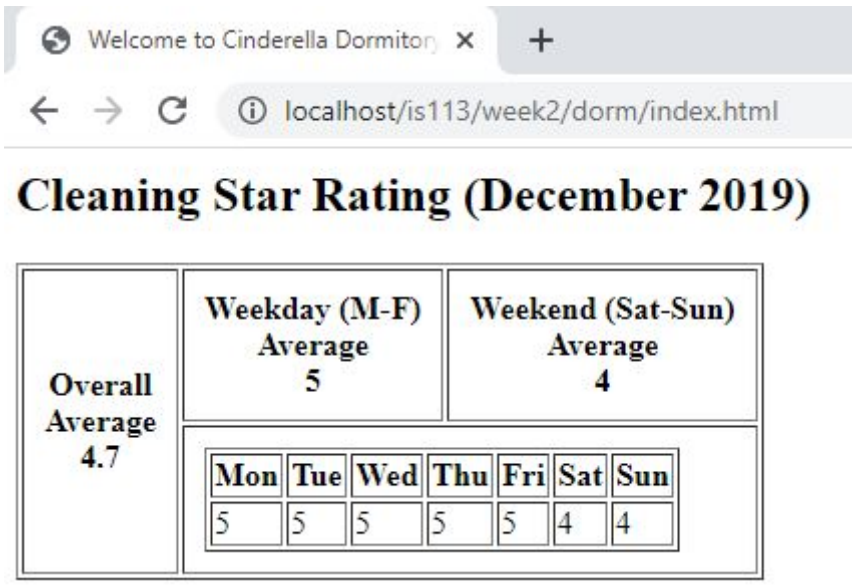
Level 1 - Floor Map				
Snow White	Aurora		Ariel	Jasmine
	Cinderella			
	Pocahontas	Rapunzel		
	Belle			
Mulan				

- **HINT:** rowspan, colspan

Part C (**)

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

index.html



The screenshot shows a web browser with the title "Welcome to Cinderella Dormitory" and the URL "localhost/is113/week2/dorm/index.html". Below the browser window, there is a heading "Cleaning Star Rating (December 2019)". Below the heading is a table.

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**