

IS113 Web Application Development I

Week 2 In-class notes

[G10]

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Part I – additional slides

HTML Structure

```
<!DOCTYPE html>
<HTML>

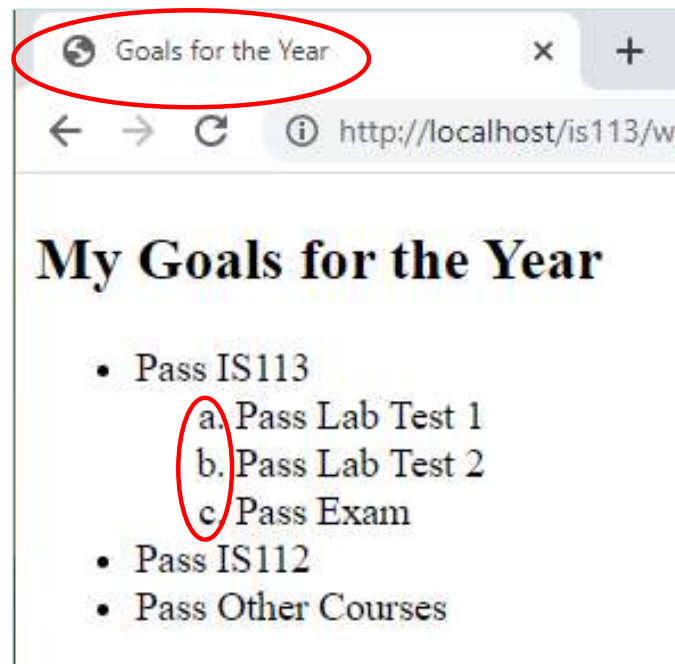
  <head>
    <title> My first Page </title>
  </head>

  <body>
    <h1> Welcome! </h1>
    <p> We are IS113 section G10 </p>
    <form>
      . . .
    </form>
  </body>

</html>
```

Exercise 1: List - modified

- Modify **goals.html** to produce the following output:



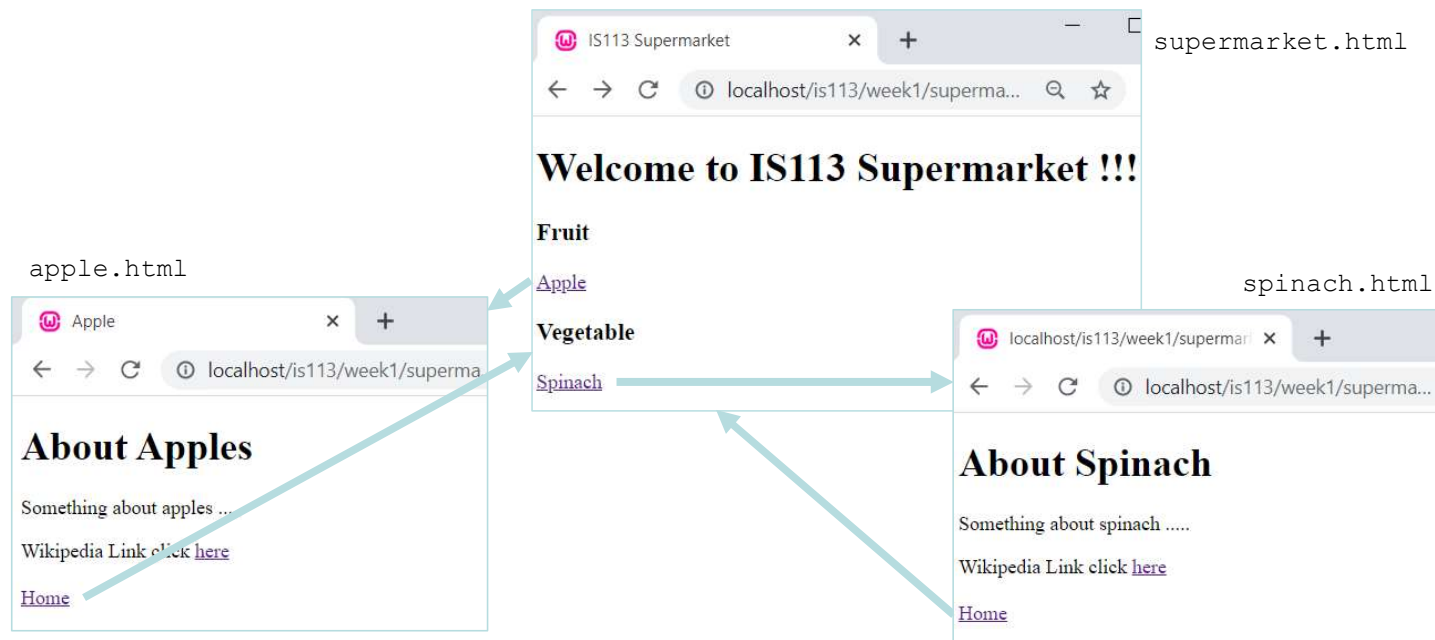
Supermarket Example (from week 1)

- In week1.zip there are 3 html files.
- Create 2 folders under supermarket – fruit, vegetable

```
webroot --  
|  
|-- is113  
|  
|-- week1  
|  
|-- hello_world.html  
|-- supermarket  
|  
|   |-- fruit  
|   |-- vegetable  
|
```

Supermarket Example (from week 1)

- Place the html files in the appropriate folders such that the web pages work as below.



- Use <https://www.w3schools.com/html/default.asp> to help you if needed

Supermarket Example (from week 1)

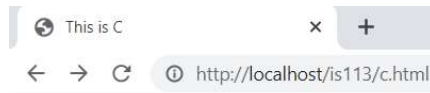
```
webroot --  
  |-- is113  
    |-- week1  
      |-- hello_world.html  
      |-- supermarket  
        |-- supermarket.html  
        |-- fruit  
          |-- apple.html  
      |-- vegetable  
        |-- spinach.html
```

Relative/Absolute Links

```
webroot --                                     c:\wamp64\www
|
|-- is113                                     c:\wamp64\www\is113
|   |
|   |-- week1                               c:\wamp64\www\is113\week1
|   |   |
|   |   |-- hello_world.html
|   |   |
|   |   |-- week2                           c:\wamp64\www\is113\week2
|   |   |
|   |   |-- a.html
|   |   |
|   |   |-- b.html
|   |
|   |-- c.html
|
|-- images                                   c:\wamp64\www\images
|   |-- apple.jpg
```


Relative Links

c.html



This is C

[Week 1 hello world](#)
[Week 1 hello World](#)



```
<!DOCTYPE html>
<html>

  <head>
    <title>This is C </title>
  </head>

  <body>

    <h1> This is C </h1>

    <a href="/week1/hello_world.html">Week 1 hello world</a>
    <br>

    <a href="/../week1/hello_world.html"> Week 1 hello World </a>
    <br>

    
    <br>

  </body>

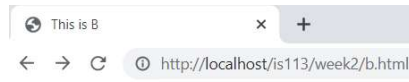
</html>
```

Goes back to webroot

Go to the parent directory

Relative/Absolute Links

b.html



This is B

[Hello World](#)
[Link to a.html](#)



[Google](#)
[c.html](#)

```
<!DOCTYPE html>
<html>
  <head>
    <title>This is B </title>
  </head>
  <body>
    <h1> This is B </h1>
    <a href = "../week1/hello_world.html">Hello World</a>
    <br>

    <a href = "a.html">Link to a.html</a>
    <br>

    
    <br>

    <a href= "http://www.google.com">Google </a>
    <br>

    <a href= "http://localhost/is113/c.html">c.html</a>

  </body>
</html>
```

This is Absolute Hyperlinks

Relative Links

/ : go to webroot

../ : go to parent

../../ : go to parent parent

./ : current directory

<dir>/d.html : access <dir> from current
directory

e.html : access from current directory

Part II – in class hands on

webroot

```
webroot --  
  |  
  |-- is113  
  |   |  
  |   |-- week2  
  |       |  
  |       |-- hello_world.html  
  |       |-- resource  
  |       |   |-- ex1 ...  
  |       |-- thurAM  
  |       |-- zoo
```

- C:\wamp64\www is the webroot.
- Access your HTML files via the URL. It should go through the Web Server.
- Should you need to backup your codes, it will be in is113 folder

My Little Zoo

- Modify feeding.html such that it displays this.

My Little Zoo

http://localhost/is113/week2/thurAM/zoo/feeding.html

Feeding Time for Each Animal

Animal	Feed Time	Feed Time	Feed Amount
Elephant	9am	2am	20kg
Tiger	10am		10kg
Penguin	10am	2pm	5kg
Lion	11am		15kg



My Little Zoo

- Create another table in feeding.html to display the following.

Feeding by Hour

Time	Animal	Feed Amount
9am	Elephant	20kg
10am	Tiger	10kg
	Penguin	5kg
11am	Lion	15kg
2pm	Elephant	20kg
	Penguin	5kg
Total		75kg



My Little Zoo

- Update baby.html such that it displays the following.



The screenshot shows a web browser window with the title 'My Little Zoo' and the URL 'http://localhost/is113/week2/thurAM/zoo/baby.html'. The page content includes a heading 'New Baby Animals', a text input field for 'Animal Names', a 'Type of Animal' section with radio buttons for Elephant, Tiger, Lion, and Penguin, a 'Health Check' section with checkboxes for active, eating, and moving, a 'Zoo Nursey Room' section with a dropdown menu showing 'Room 1', and 'Submit' and 'Reset' buttons. At the bottom, there is a link for 'Animal Feeding Time: click [here](#)'.



Announcements

- Extra exercises



You will need to log into Google Docs using SMU email address.

- Quiz in Week 3

- 15 min
- Starts at 8.20am in class
- There is no makeup quiz.
- Format : Written (paper), MCQ, FIB, read/write short HTML
- Topics : Week 1
Week 2 (this is the focus)