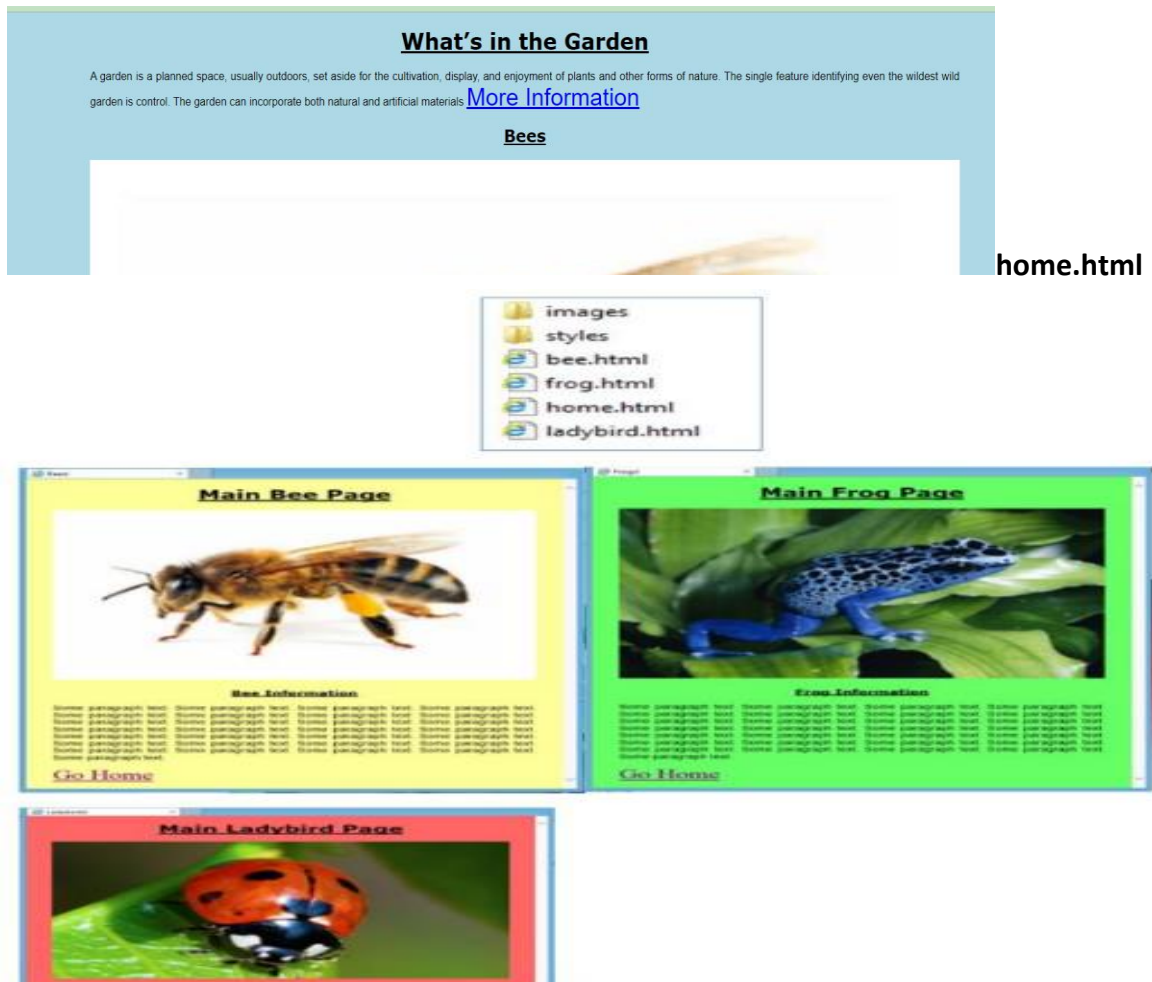Week 3 Exercise 2

A separate web page for Bee, Frog and Ladybird (take your text from any garden or creature website)

home.html

INITIAL SETUP

1. Create a new folder if not already created called **Week3b**
2. Inside the **Week3b** Folder create two new folders
   a. **Images**
   b. **styles**
3. Copy the images found in the **Week3b** Content folder on Moodle into the **Images** folder
4. Take an existing template html page and save it as home.html

5.

INTRODUCTION

This week we will first develop all the pages we need then iteratively add CSS styling. After you complete each CSS part you should save and **TEST to see the results of your work on Chrome Browser**.

Completing this sheet without checking the effects at each stage is counter-productive to learning CSS, you need to see the effects of the changes you make to understand what is happening.

EACH WEB PAGE CONTAINS INDIVIDUAL META DATA

For each page update the meta data base of the content of the page, Home page is based on Garden Creatures

1. Update the meta data based on the above content to help search engine optimization of the web page.
   Describe the purpose of the page ? <meta name="description" content="...... ">
   What key words are contained in the page, remember to comma separate words or phrases ?
   <meta name="keywords" content="...,... ..,.... ...,... ">

CSS RULE SETS THAT SELECT BY TYPE ID AND CLASS

```
</head>                          <footer>
<body>
<header>                             <p id="copyright" class="base_color">Copyright 2012</p>
    <h1 class="base_color">San Joaquin Valley Town Hall</h1>
                                 </footer>
    <nav>                    </body>
```

MoreSpeakers.html

San Joaquin Valley Town Hall Other Speakers

Here are the links to other pages

| Home Page | Speaker information | More Speaker information |

Bringing cutting-edge speakers to the valley

1. October 19, 2011: Jeffrey Toobin
2. November 16, 2011: Andrew Ross Sorkin
3. January 18, 2012: Amy Chua
4. February 15, 2012: Scott Sampson
5. March 21, 2012: Carlos Eire
6. April 18, 2012: Ronan Tynan

Go to Home Page

Contact us by phone at (559) 444-2180 for ticket information.

Copyright 2012

CSS rule sets that select by type, id, and class

Type
```
body {
    font-family: Arial, sans-serif;
    font-size: 100%;
    width: 300px;
    padding: 1em;
}
h1 {
    font-size: 180%;
}
```

ID
```
#copyright {
    font-size: 75%;
    text-align: right;
}
```

Class
```
.base_color {
    color: blue;
}
```

Week 3 Exercise 2

HOME.HTML

HEAD

1. Make the title of the page: Garden Creatures and add meta data for this page

BODY

2. Add a single **Heading 1** (page header)
    a. Text should be: What's in the Garden?

    b.
    ```
    1  <body>
    2      <header>
    3          <h1>What's in the Garden </h1>
    4          | <nav>
    5          | </nav>
    6      </header>
    7
    8      <main>
    ```

3. Add <Main> element for main body of report, the following is within main element
4. Create a <Section>
5. Create a H1 Heading Garden Creatures
6. Add a single **Paragraph**
    a. Set the **ID** attribute to be: **mainText**   *(CSS Selectors (ID))*
    b. Place some dummy text as content regarding gardens. Make sure there is a few lines of text. Copy and paste to fill up the lines.
    c. For all text copies for a web site place source url link to the website.
7. End Section

```
<main>
    <section>
        <p id="mainText">A garden is a planned space, usually outdoors, set aside for the c
        wild garden is control. The garden can incorporate both
        natural and artificial materials <a href="https://en.wikipedia.org/wiki/Garden#:~:t
    </section>
```

8. New Section
9. Add a **Heading 2**
    a. Text should be: **Bees**
10. Add an **Image**
    a. The source will be relative
    b. Set it to: Images/bee.jpg
    c. Set the class to be: **fullWidthContent**
11. Add a **Heading 3**
    a. Text should be: Useful Links
12. Add a **Hyperlink**
    a. Set the href attribute to be: bee.html (created later)
    b. Text between the tags should be: Find more on Bees!
13. End Section

```
<section>
    <h2>Bees</h2>
    <img class="fullWidthContent" src="Images/bee.jpg"  alt="Bees" >
    <a  href="bees.html">Find out more on Bees</a>
</section>
```

TEST DISPLAY PAGE ON CHROME BROWSE

BODY (CONTINUED)

14. New Section
15. Add a **Heading 2**
    a. Text should be: Frogs
16. Add an **Image**
    b. The source will be relative
    c. Set it to: Images/frog.jpg
    d. Set the class to be: fullWidthContent
17. Add a **Heading 3**
    e. Text should be: Useful Links
18. Add a **Hyperlink**
    f. Set the href attribute to be: frog.html (created later)
    g. Text between the tags should be: Find more on Frogs!

```
<section>
    <h2>Frogs</h2>
    <img class="fullWidthContent" src="Images/frog.jpg"  alt="Frogs" >
    <h3> Useful links </h3>
    <a  href="frog.html">More details on Frogs</a>
</section>

<section>
```

TEST YOUR WORK HOW DOES IT LOOK LIKE ON CHROME BROWSER

BODY (CONTINUED)

19. Add another Section
20. Add a **Heading 2**
    h. Text should be: Ladybirds
21. Add an **Image**
    i. The source will be relative
    j. Set it to: Images/ladybird.jpg
    k. Set the class to be: fullWidthContent

22. Add a **Heading 3**
    l.   Text should be: Useful Links
23. Add a **Hyperlink**
    m.   Set the href attribute to be: ladybird.html (created later)
    n.   Text between the tags should be: Find more on Ladybirds

```html
<section>
    <h2>LadyBirds</h2>
    <img class="fullWidthContent" src="Images/ladybird.jpg"  alt="Ladybirds" >
    <h3> Useful links </h3>
    <a  href="ladybird.html">More details on Ladybirds</a>
</section>

ain>
```

STYLING THE HOME PAGE

1. Create **styles.css** in **styles folder**

STYLING THE BODY

BODY STYLES

```css
/* page body background colour and margins */
body{
    background-color: #add8e6;
    margin-left:10%;
    margin-right:10%;

}
```

HEADING AND ANCHOR STYLES

```css
/* headings styles grouped h1 h2 h3*/
h1, h2, h3{
    color: black;
    font-family: verdana;
    text-decoration:underline;
    text-align: center;
}
```

Body Margins

- Set the margin-left and margin-right properties to 5%
- What effect does this have on the body?
- Try increasing this value.

PARAGRAPH STYLE (USING ID)

- The paragraph on our home page has it's ID attribute set to **mainText**
- Remember we can use an **elements ID** to set a style on specific element

```css
/* CSS Selectors (ID)*/
/* Paragraph style using ID*/
#mainText
{
    color:☐black;
    font-family: arial;
    text-align:justify;
}
```

CLASS STYLE (FULLWIDTHCONTENT)

- Each image on our home page has the **Class** attribute set to **fullWidthContent**
- Any element of this class will have its width set to 100%
- When the window is resized the image will always scale to fit its width
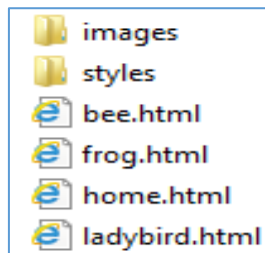- What effect does the 5% margin have on this style?

```css
/* Image Style using class*/
.fullWidthContent
{
    width:100%;
}
```

HYPERLINK ANTHOR STYLE

- We can make the hyperlinks easier to see on our home page by increasing the size and change colour at the top of the page linking to page and different style for source web pages

```css
/* style the anchor element*/
a{
    font-size:2em;
    color:■blue;
    text-align: center;
    text-decoration: none;
}
```

ADD ADDITIONAL PAGES

CHANGE BACKGROUD COLOUR OF EACH PAGE

- Each of the new pages is nearly identical to the home page
- The only difference is that each page only contains the data on the animal/insect it's named after
- **Each page has a different background color** - Exception use **internal css in <head> element**


```
        <link rel="stylesheet" type="text/css" ...
    <style>
        body{ background: ■#12e812;}
    </style>
</head>
```

-
  ○

ADD NAVIGATION MENU TO EACH WEB PAGE

```
<body>
    <header>
        <h1>What's in the Garden </h1>
        <nav>
            <a class="anchorLarge" href="home.html">Home </a> |
            <a class="anchorLarge" href="bees.html">Bees </a> |
            <a class="anchorLarge" href="frog.html">Frogs  </a> |
            <a class="anchorLarge" href="ladybird.html">Lady Birds </a>
        </nav>
    </header>
```

Add a margin-right 4% to the a element in css and check if it makes a difference