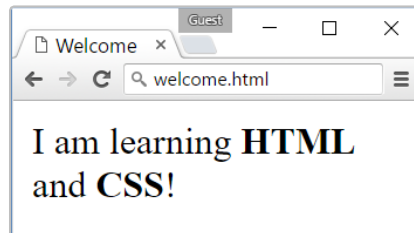


# Exercises: Web Fundamentals Introduction

Problems for exercises and homework for the [“Java Web Development Basics” course @ SoftUni](#).

## 1. Welcome to HTML

Create a Web page like at the screenshot:



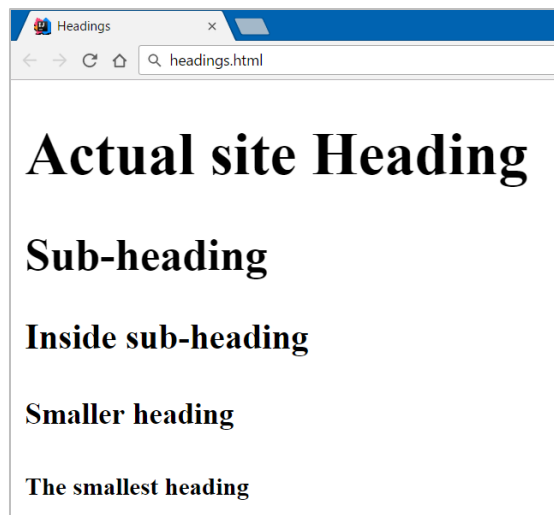
- *File name:* **welcome.html**
- *Title:* Welcome
- *Paragraph of text:* I am learning **HTML** and **CSS!**

## Hints

Modify the code from the examples in the slides.

## 2. Headings

Create a Web page like the screenshot:



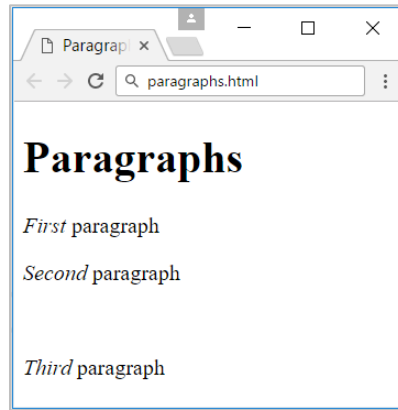
- *File name:* headings.html
- *Title:* Headings
- *Large heading:* Headings Exercise
- *Smaller headings:* First through Fourth

## Hints

Use <h1> through <h5> tags.

### 3. Paragraphs

Create a Web page like the screenshot:



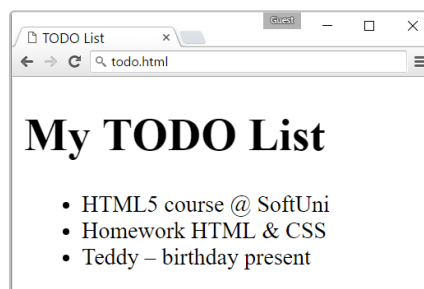
- *File name:* paragraphs.html
- *Title:* Paragraphs
- *Large heading:* Paragraphs
- *Emphasized text:* First, Second and Third
- *Empty line:* Between second and third paragraph

### Hints

Use `<p>`, `<em>` and `<br/>` tags.

### 4. My TODO List

Create a Web page like the screenshot:



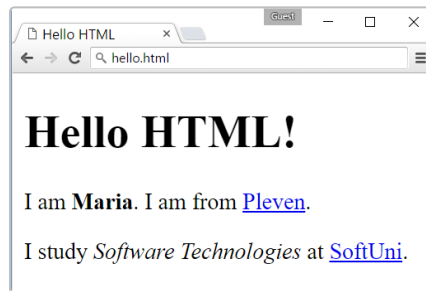
- *File name:* **todo.html**
- *Title:* TODO List
- *Large heading:* My TODO List
- *Unordered list:* `<ul>...</ul>`
- *Three list elements:* `<li>...</li>`

### Hints

- Create an HTML file named **todo.html** like in the previous exercises.
- Assign the `<title>...</title>`.
- Use `<ul>...</ul>` to create an unordered list.
- Put each of the list items in a `<li>...</li>` tag.
- Use `&amp;` for the &
- Use `&ndash;` for the long hyphen.

## 5. Hello HTML

Create a Web page like the screenshot:

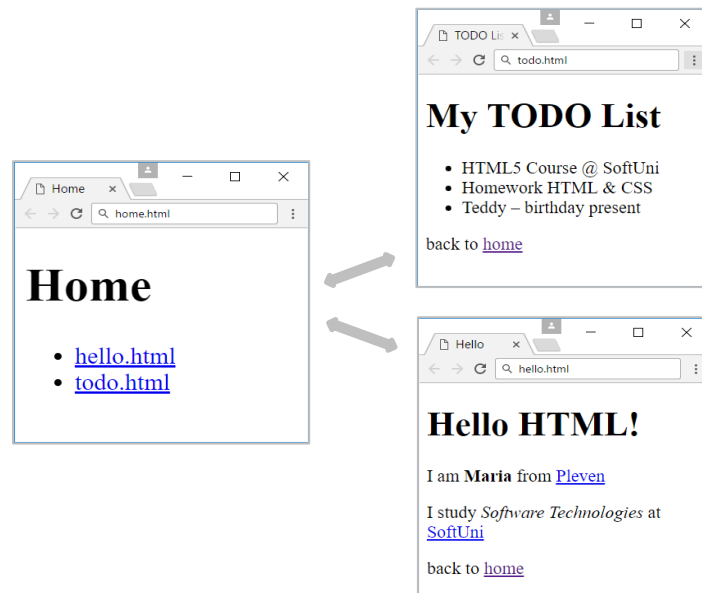


- File name: **hello.html**
- Title: Hello HTML
- Large heading: Hello HTML!
- Paragraph of text: I am <your name (bold)>. I am from <your town as link to your town's Web site>.
- Paragraph of text: I study <specialty (italic)> at <link to SoftUni>.

## Hints

Modify the code from the example in the slides.

## 6. Website



Create three web pages connected to each other by local links like the screenshot below:

- File names: **home.html**, **todo.html**, **hello.html**
- Titles: Home, TODO List, Hello
- Large headings: Home, My TODO List, Hello HTML!
- Unordered lists: *home.html* and *todo.html*
- Hyperlinks: home.html - links to todo.html and hello.html
- Home hyperlinks: todo.html and hello.html

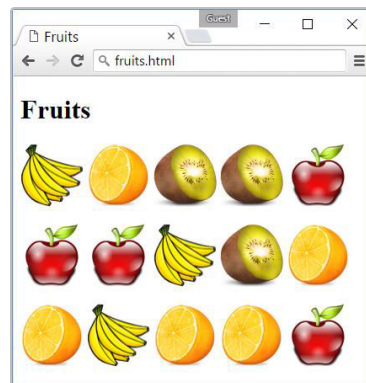
## Hints

You can use the `todo.html` and `hello.html` pages that you have created for the previous exercises.

- Create `home.html` and use `<ul>...</ul>` to create an unordered list with the links
- Use `<a href="">...</a>` to create a hyperlink inside a `<li>...</li>` element
- Use `href="todo.html"` to connect `home.html` to `todo.html` and `href="hello.html"` to connect it with `hello.html`.
- Create 'back to home' links following the same logic

## 7. Fruits

Create a Web page like the screenshot:



Use the fruit images given in assets:

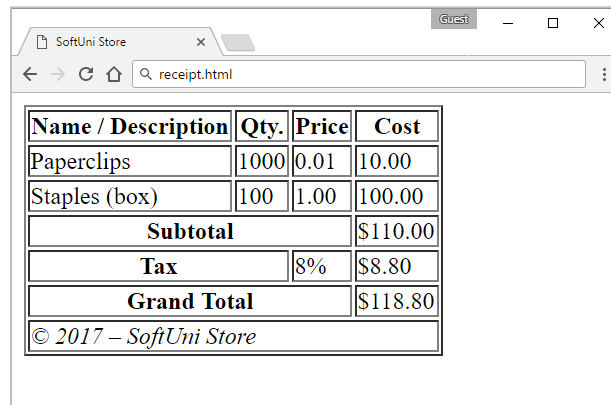
- `images\apple.png`
- `images\banana.png`
- `images\kiwi.png`
- `images\orange.png`

## Hints

- Create a HTML page named `"fruits.html"` titled `"Fruits"`.
- Use 3 paragraphs, each holding 5 images.
- Put the images in each paragraph (row) in a sequence, one after another.

## 8. Receipt

Design a Web page like the screenshot:

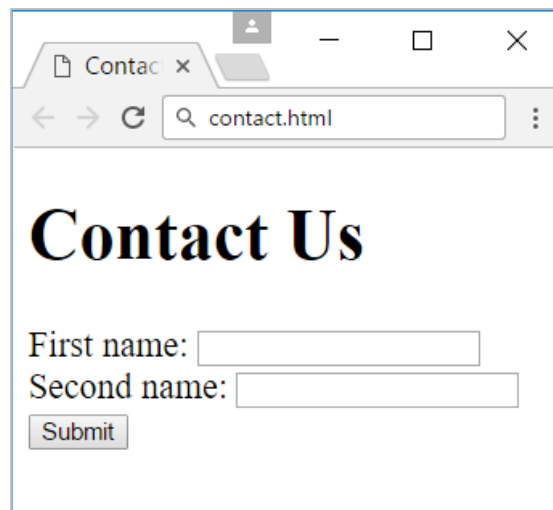


Name / Description	Qty.	Price	Cost
Paperclips	1000	0.01	10.00
Staples (box)	100	1.00	100.00
Subtotal			\$110.00
Tax		8%	\$8.80
Grand Total			\$118.80
© 2017 - SoftUni Store			

### Hints

- Create a HTML page named “**receipt.html**” titled “**SoftUni Store**”.
- Use **<table>**, **<tr>**, **<th>**, **<td>** tags and the **colspan** attribute.
- Use **&copy;** for the copyright sign.

Create a Web page like the screenshot:



**Contact Us**

First name:

Second name:

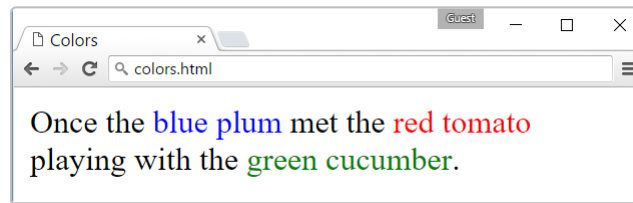
- *File name:* **contact.html**
- *Title:* Contact Us
- *Large heading:* Contact Us
- *Form:* holding three elements
- *Textboxes:* Two text boxes
- *Button:* with text Submit

### Hints

- For the form use **<form>...</form>**
- Inside the form place two textboxes using **<input type="text" />**
- Use **<input type="submit" value="Submit" />** for the button

## 9. Colors

Create a Web page like the screenshot:

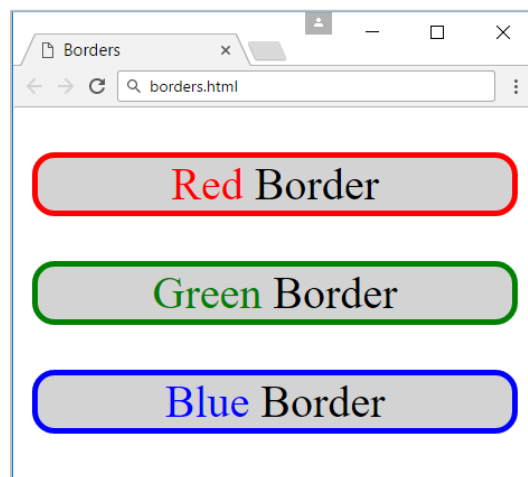


### Hints

- Use a paragraph `<p>...</p>` to hold the text.
- Use `<span style="...">text</span>` for the colored text

## 10. Borders

Create a Web page like the screenshot:

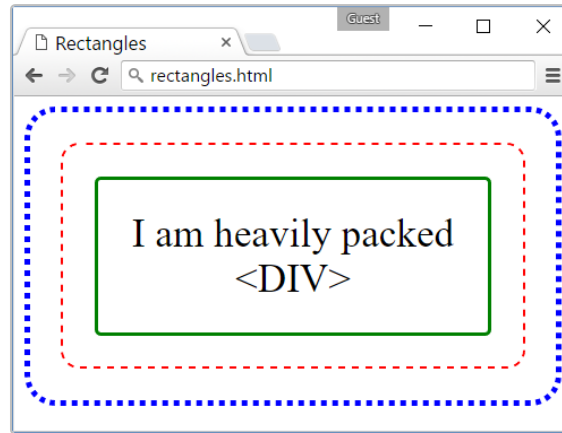


### Hints

- Use three paragraphs `<p>...</p>` to hold the text
- Use `<p style="...">...</p>` to style the paragraphs
- Use `<span style="...">text</span>` for the colored text

## 11. Rectangles

Create a Web page like the screenshot:

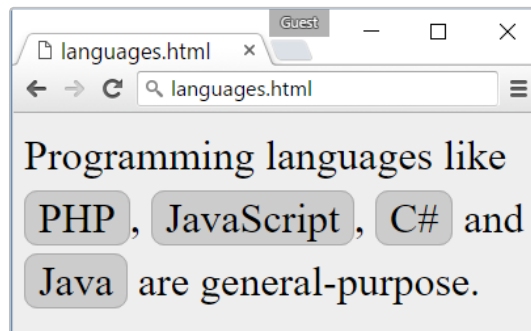


## Hints

- Use 3 nested `<div>` elements
- **Outside div:** blue dotted border + border-radius + padding
- **Middle div:** red dashed border + border-radius + padding
- **Inner div:** green solid border + border-radius + padding + text-align + font-size
- Use `&lt;` and `&gt;` to escape the `<` and `>` characters in the text...

## 12. Languages

Create a Web page like the screenshot:



## Hints

- Create HTML file `langs.html`.
  - Put the text in paragraphs and `<span>...</span>` tags.
- Create CSS file `langs.css`.
- Link the CSS file in the HTML header:
  - `<link rel="..." href="langs.css">`
- In the **body** CSS selector in the CSS class define:
  - `background:#EEE; font-size:24pt;`
- Define and use a CSS class `.lang` for styling the languages:
  - Specify `border:1px #AAA, border-radius, background:#CCC, padding`

## \*13. Contact Us Form

Create a Web page like the screenshot:

## Hints

1. Create an HTML file **contact-us-form.html**, put appropriate **title**, put “Contact Us” heading.
2. Create the **HTML code** to display the form and its fields:

```
<form>
  <span>First name:</span>
  <input type="text" name="firstname"><br>
  ...
  <span>Town:</span>
  <select name="town">
    <option value="1">Sofia</option>
    ...
  </select>
  <input type="submit" value="Submit">
</form>
```

3. In the **CSS file** put some styling to make the for look like at the above screenshot. First define the form background styling:

```
form {
  background: #eee;
  display: inline-block;
}
```

4. Style the **labels** before each form field. They stay in a **<span>...</span>** tags. Use styling like this:

```
form span {
  display: block;
  width: 80px;
  background: #eee;
  margin: 10px 3px 3px 8px;
}
```

5. Now style the **<input>...</input>** and **<select>...</select>** fields:



```

form input, form select {
  width: 150px;
  height: 20px;
  margin: 0px 5px;
  box-sizing: border-box;
}
form select {
  margin: 1px;
}

```

6. Finally, style the “**Submit**” button:

```

form input[type='submit'] {
  display: block;
  margin: 10px 0px 12px 40px;
  width: 80px;
  height: 30px;
}

```