
Lab Exercise 03 – Add styles to a web page

Objectives

By the end of this lab session, you will be able to design your web page using styles.

Introduction

- CSS Stands for "**Cascading Style Sheet**" and used to format the layout of Web pages.
- It can control the layout of multiple web pages all at once.
- External style sheets are stored in CSS files. (This method is the preferred one)
- Internal Styles and Inline styles include in HTML file.

- **Internal Styles**

Internal styles are defined inside of <style> element which is inside <head> element.

This method uses if only a single page has a unique style.

- **Inline Styles**

Inline styles define inside the exact element. This uses when that specific element has a unique style.

- **Class and Id**

Both classes and Ids work as selectors in HTML. The advantage of these are they can use same HTML tag but view or display it in different ways.

- **Class**

In CSS class selector is a name proceed by a (.).

Following is an example of class selector.

In HTML

```
<div class="classExample">
```

In CSS

```
.classExample{  
Background-color: white;  
}
```

- **Id**

In css class selector is a name proceed by a (#).

Following is an example of class selector.

In HTML

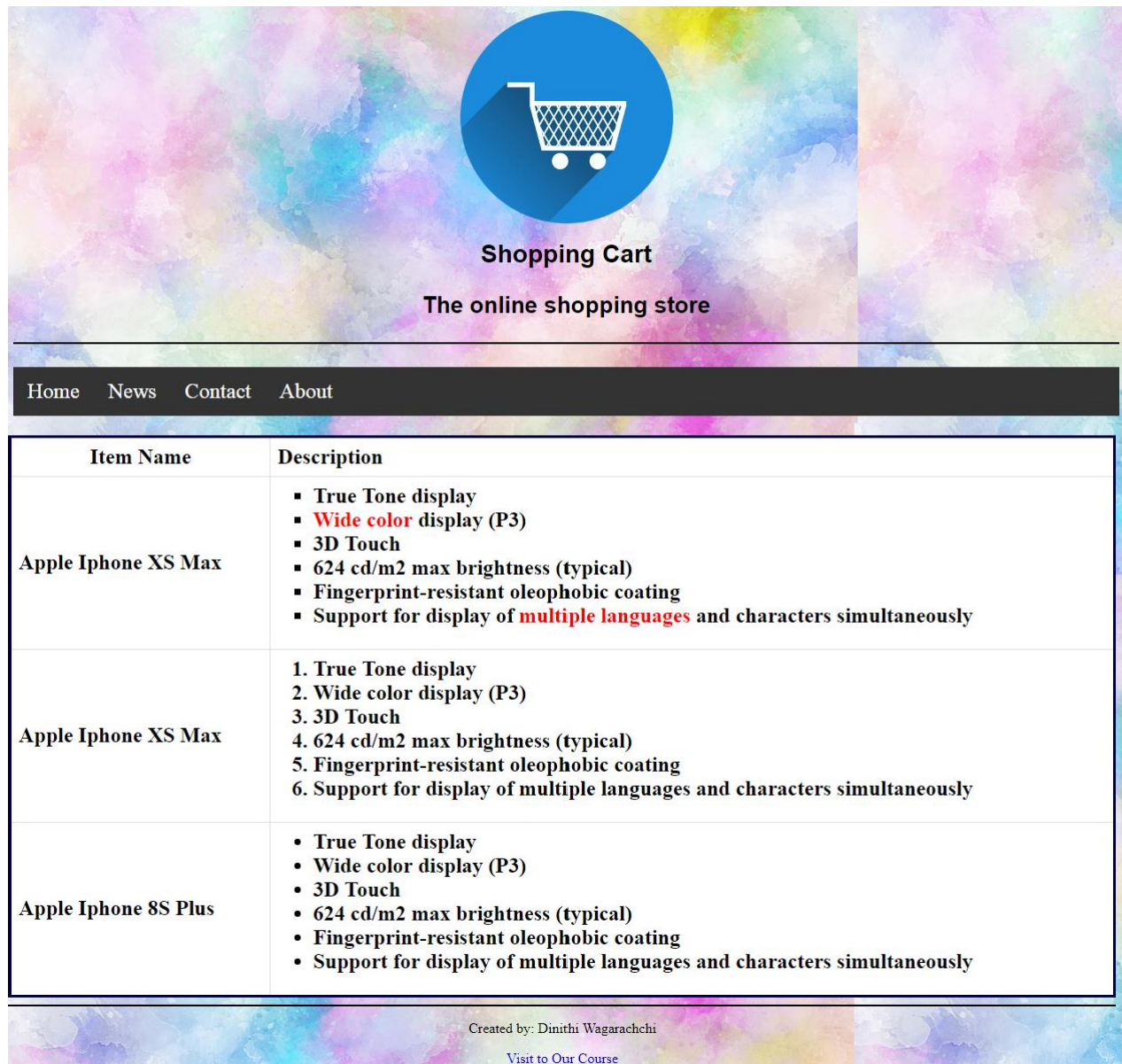
```
<div class="idExample">
```

In CSS

```
#idExample{  
Background-color: white; }
```

Lab Exercise 03 – Add styles to a web page

Exercise 1: Following will be the outcome of the today’s lab session.



- Go to the IWT folder structure which you created on last week.
- Create a file named styles.css inside the “IWT/styles” folder.
- Open both styles.css and index.html files.
- Fill the following boxes with the relevant style codes for the given activities.

Lab Exercise 03 – Add styles to a web page

- Connect the style sheet to index.html using following example.

https://www.w3schools.com/tags/tag_link.asp

- Add a background image to index.html
 - Go to following link and download a suitable image and save it inside the images folder.

https://www.google.com/search?q=background+image&source=lnms&tbn=isch&sa=X&ved=0ahUKEwiZ_o6ouqrhAhWMfSsKHVMIDocQ_AUIDigB&biw=1600&bih=718

- Set the image as the background image of your web page.

https://www.w3schools.com/cssref/pr_background-image.asp

- Logo
 - Create a CSS class named “logo” in styles.css. Use following example in order to center your Logo.

https://www.w3schools.com/howto/howto_css_image_center.asp

- Call the class named logo (created in the previous step) to the tag in index.html. (Introduction to classes and Ids are containing in the introduction section of this lab sheet)

- Headers
 - Change the font type and font size of the headers using following example.

https://www.w3schools.com/css/css_font.asp

Lab Exercise 03 – Add styles to a web page

- Horizontal Line
 - Format the horizontal line in index.html as 1px thick (Using a border) and Color of the horizontal line as black.

https://www.w3schools.com/howto/howto_css_style_hr.asp

- Horizontal Navigation bar.
 - Style the menu list (unordered list in index.html) to display horizontally.
(Here you have to style the list which you created last week and make it horizontal)

https://www.w3schools.com/css/css_navbar.asp

Lab Exercise 03 – Add styles to a web page

- Table
 - Add the complete table inside a <div> tag.
 - Add a class named “productData” in styles.css in order to change the background color of the table.
 - Call the “productData” inside the div tag.

https://www.w3schools.com/cssref/pr_background-image.asp

--

- Align the text in product name column to center.
- Align the text in product description column to left.

https://www.w3schools.com/cssref/pr_text_text-align.asp

--

- Change the font color of some words in product description.

https://www.w3schools.com/tags/att_font_color.asp

--

Lab Exercise 03 – Add styles to a web page

- Set top margin to 15px and other three margins as 10px.

https://www.w3schools.com/css/css_margin.asp

- Add a border and make that border's style, 'groove'.
- Make the border color, dark-blue.

https://www.w3schools.com/css/css_border.asp

- Add a padding of 3px.

https://www.w3schools.com/css/css_margin.asp

- **Footer**

- Align the texts center.
- Change the font style of the text.

Lab Exercise 03 – Add styles to a web page

Exercise 2:

Compare three methods of using style sheets.