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**Lab Exercise 03 – Add styles to a web page**

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**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**

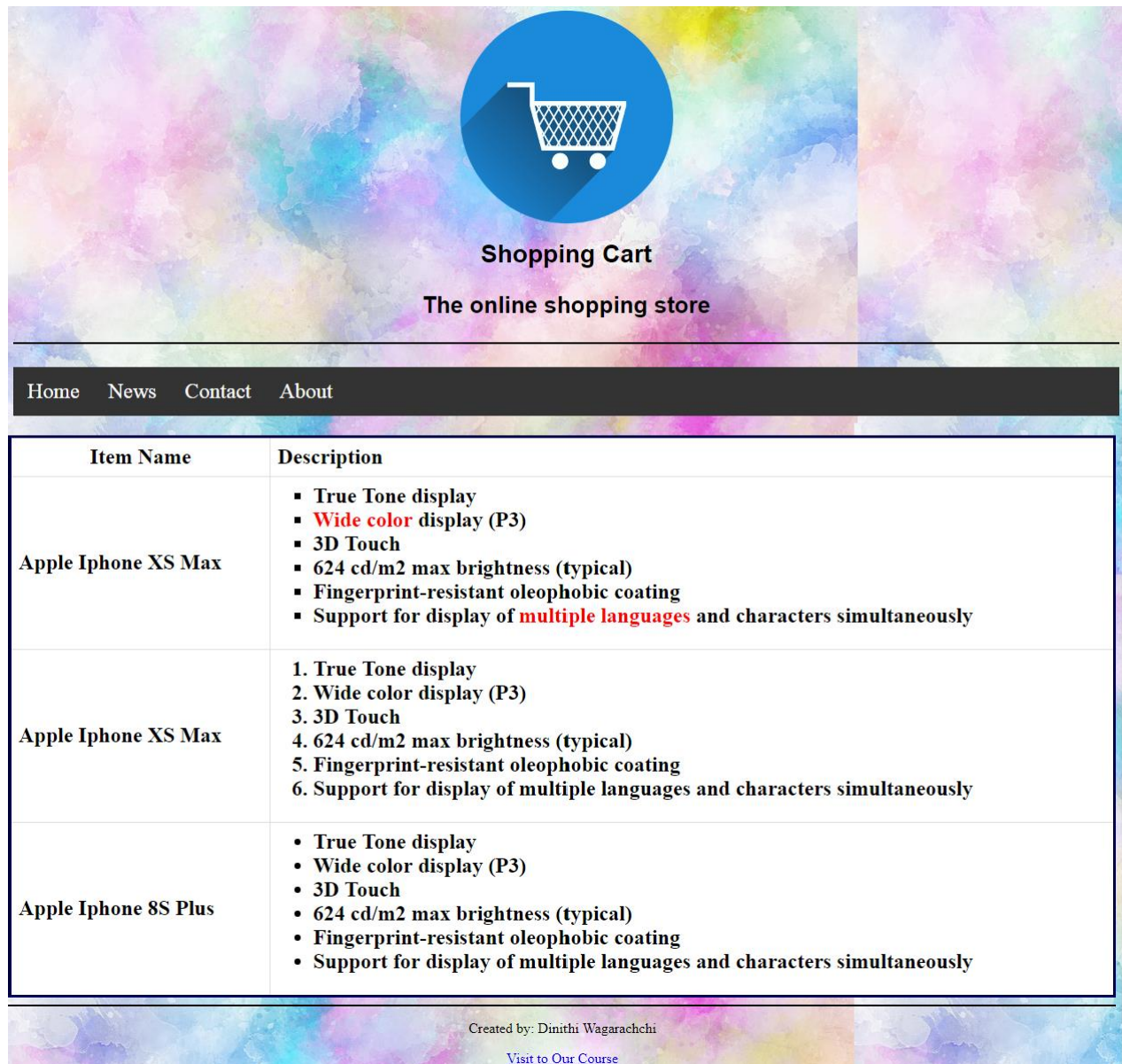
```
<div id="idExample">
```

**In CSS**

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

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**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.

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

[https://www.w3schools.com/tags/tag\\_link.asp](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](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](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](https://www.w3schools.com/howto/howto_css_image_center.asp)

- Call the class named logo (created in the previous step) to the <img> 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](https://www.w3schools.com/css/css_font.asp)

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- 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](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](https://www.w3schools.com/css/css_navbar.asp)

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

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

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

[https://www.w3schools.com/tags/att\\_font\\_color.asp](https://www.w3schools.com/tags/att_font_color.asp)

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

[https://www.w3schools.com/css/css\\_margin.asp](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](https://www.w3schools.com/css/css_border.asp)

- Add a padding of 3px.

[https://www.w3schools.com/css/css\\_margin.asp](https://www.w3schools.com/css/css_margin.asp)

- **Footer**

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

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**Exercise 2:**

Compare three methods of using style sheets.