Unit 5 - Master Pages & Themes

1.What is Master page?

- ASP.NET master pages allow you to create a consistent layout for the pages in your application.
- Single master page defines the look and feel and standard behavior that you want for all of the pages (or a group of pages) in your application.
- You can then create individual content pages that contain the content you want to display.
- When users request the content pages, they merge with the master page to produce output that combines the layout of the master page with the content from the content page.
- A master page defines both the static page layout and the regions that can be edited by the ASP.NET pages that use the master page.

2. what are the requirements of master page?
- The master pages can be used to accomplish the following:
- Creating a set of controls that are common across all the web pages and attaching them to all the web pages.
- A centralized way to change the above created set of controls which will effectively change all the web pages.
- Dynamically changing the common UI elements on master page from content pages based on user preferences

3.Explain Master Page in brief. Or Explain Content place holder in master page.

- ASP.NET master pages allow you to create a consistent layout for the pages in your application.
- When users request the content pages, they merge with the master page to produce output that combines the layout of the master page with the content from the content page.
- A master page defines both the static page layout and the regions that can be edited by the ASP.NET pages that use the master page.
- These content editable regions are indicated by ContentPlaceHolder control, which can be seen within the content <div>
- Our master page has a single ContentPlaceHolder (MainContent), but master page's may have multiple ContentPlaceHolders.
- The **@ Master** directive defines it as a master page.
  The master page contains a placeholder tag for individual content.
- The **id** attribute identifies the placeholder, allowing many placeholders in the same master page.
- The master page can also contain code, allowing dynamic content.
  - <%@ Master Language="VB" AutoEventWireup="true" CodeFile="Site.master.vb" Inherits="Site" %>
  - <asp:contentplaceholder id="MainContent" runat="server">
- In Content Page,
- @Page directive there's a reference to the master page file used (MasterPageFile="~/Site.master"), and
  the ASP.NET page's markup contains a Content control for each of the ContentPlaceHolder controls defined in the
  master page, with the control's ContentPlaceHolderID mapping the Content control to a specific ContentPlaceHolder.
- Content control is where you place the markup you want to appear in the corresponding ContentPlaceHolder.
  - <%@ Page Language="VB" MasterPageFile="~/Site.master" AutoEventWireup="true" CodeFile="Default.aspx.vb" Inherits="_Default" Title="Untitled Page" %>
  - <asp:Content ID="Content1" ContentPlaceHolderID="MainContent" Runat="Server">
    //content
  </asp:Content>