Static Web Pages

Introduction to HTML

Objective

A static web page is a web page that is delivered to the user exactly as stored.
A static web pages are suitable for the contents that never or rarely need to be updated.
A static web pages are often HTML documents stored as files in the file system and made available by the web server over HTTP.

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Overview

SGML->Stand General Markup Lanugages is a meta languages for defining other languages like HTML, XML…
It is a very difficult to develop pages in SGML. It is very easy to develop pages in HTML and XML.
HTML stands for **H**yper **T**ext **M**arkup **L**anguage, which is the most widely used language on Web to develop web pages.
HTML was created by Berners-Lee in late 1991 but "HTML 2.0" was the first standard HTML specification which was published in 1995. HTML 4.01 was a major version of HTML and it was published in late 1999. Though HTML 4.01 version is widely used but currently we are having HTML-5 version which is an extension to HTML 4.01, and this version was published in 2012.
Static websites are also known as flat or stationary websites. They are loaded on the client's browser as exactly they are stored on the web server. Such websites contain only static informtion. User can only read the information but can't do any modification or interact with the information.
Static websites are created using only HTML. Static websites are only used when the information is no more required to be modified.

Design the following static web pages required for an online book store web site.

1) **HOME PAGE:**

The static home page must contain three **frames**.

Top frame: Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).

Left frame: At least four links for navigation, which will display the catalogue of respective links.

For e.g.: When you click the link **"MCA"** the catalogue for **MCA** Books should be displayed in the Right frame.

Right frame: The *pages to the links in the left frame must be loaded here*. Initially this page contains description of the web site.

Step 1: Open the Notepad in the start menu.
Step 2: type code

head.html

```
<html>
<head>
        <title>Head Page</title>
</head>
<body>
   <font face="Arial Black" size="3">
   <table border="1" cellspacing="2" cellpadding="5"
     width="100%"> <tr>
          <td align="center"><img src="6.jpg" width="20"
          height="20"/></td> <td colspan="4"
          align="center">Web Site Name</td>
     </tr>
     <tr>
                <td align="center"><a href="description.html"
                target="des_page">HOME</a></td> <td align="center"><a
                href="login.html" target="des_page">LOGIN</a></td>
                <td align="center"><a href="registration.html"
                target="des_page">REGISTRATION</a></td> <td align="center"><a
                href="catalogue.html" target="des_page">CATALOGUE</a></td> <td
                align="center"><a href="cart.html" target="des_page">CART</a></td>
        </tr>
   </table>
   </font>
</body>
</html>
```
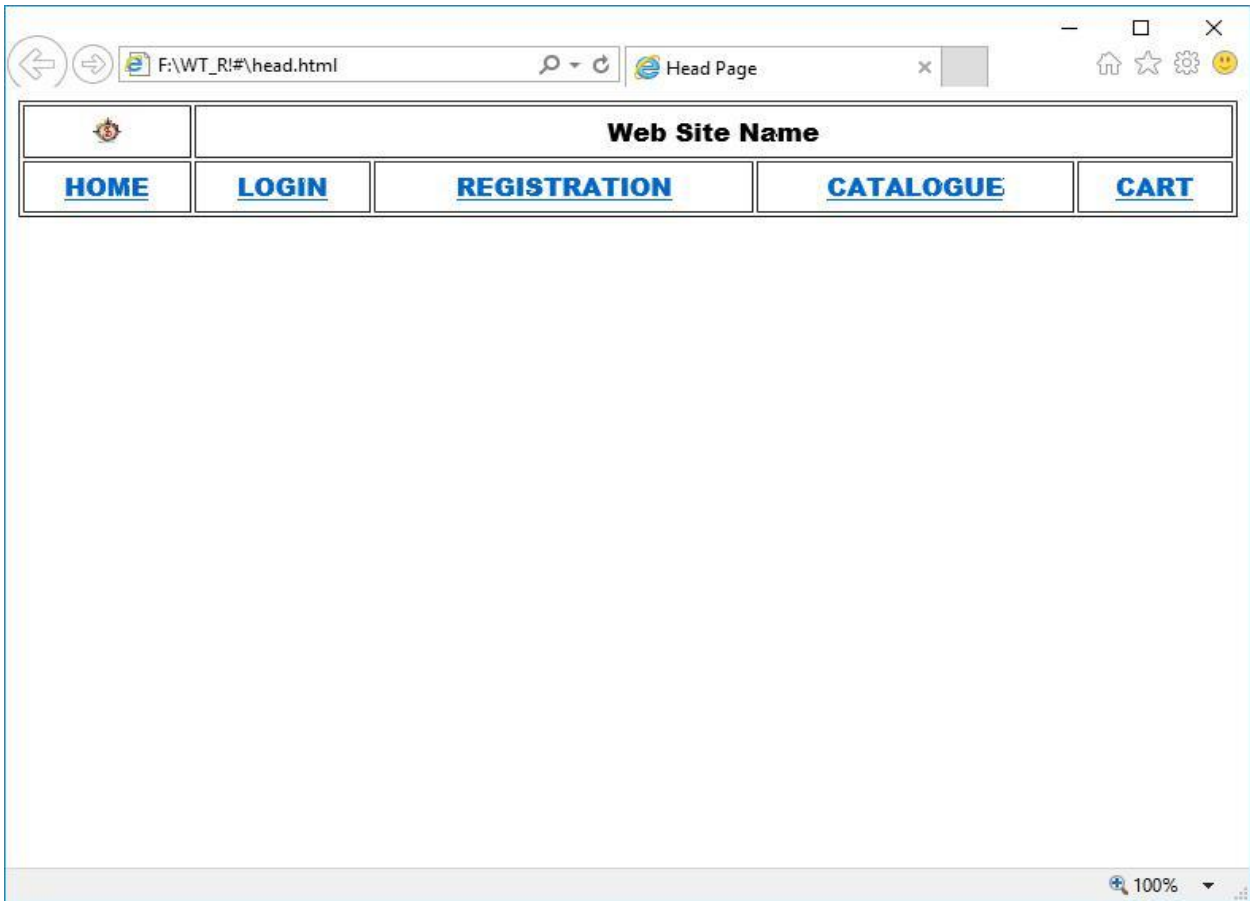
Step 3 : Save as "head.html"
Step 4: Double click on the saved file ("head.html")

Output:

dept.html
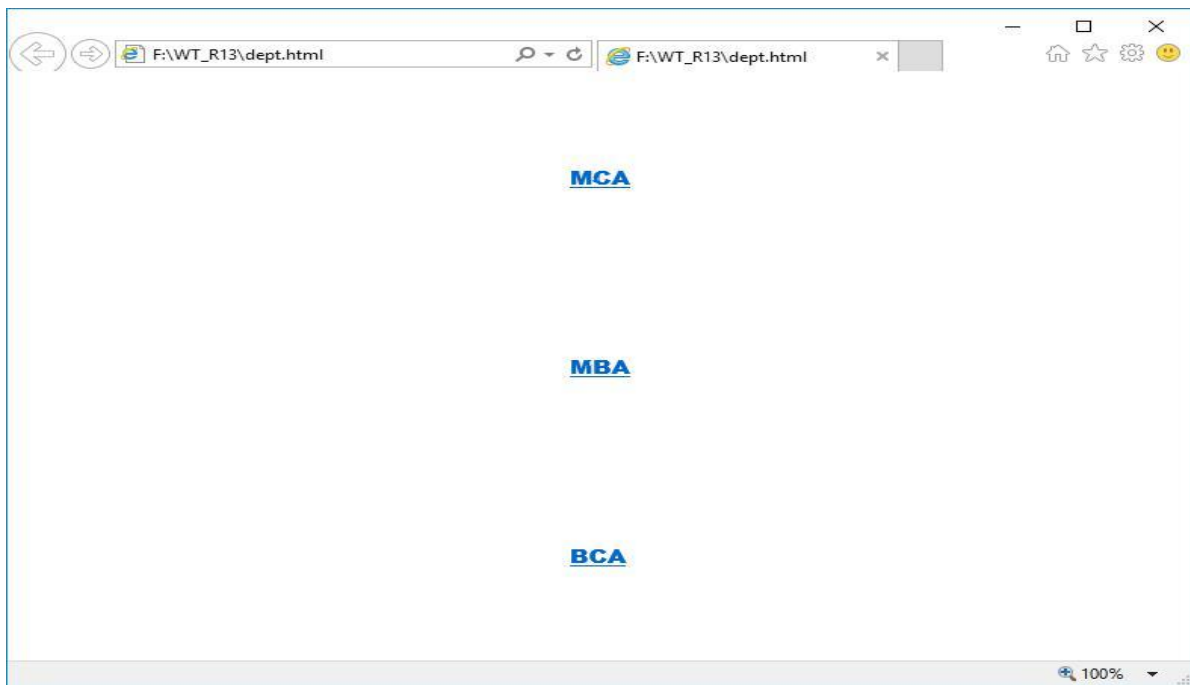
```
<html>
<head>
        <title>Departments Page</title>
</head>
<body>
<font face="Arial Black" size="4">
<table align="center" height="100%">
  <tr>
        <td><a href="cat_mca.html" target="des_page">MCA</a></td>
  </tr>
  <tr>
        <td><a href="cat_mba.html" target="des_page">MBA</a></td>
  </tr>
  <tr>
        <td><a href="cat_bca.html" target="des_page">BCA</a></td>
  </tr>
 </table>
</font>
</body>
</html>
```

Output:

desc.html

```
<html>
  <head>
        <title> Description page</title>
  </head>
<body>
  <br><br><br><br><br><br><br><br><br><br>
  <font face="TIMES NEW ROMAN" size="5">
  <center>
        Description of the Website
  </center>
  </font>
</body>
</html>
```

Output:

Here we combining all three HTML files in to one HTML file.
home.html

```
<html>
    <head>
        <title>Home page</title>
    </head>
    <frameset rows="20,80">
        <frame src="head.html" name="head_page">
          <frameset cols="15,85">
                <frame src="dept.html" name="dept_page">
                <frame src="desc.html" name="des_page">
          </frameset>
    </frameset>
</html>
```
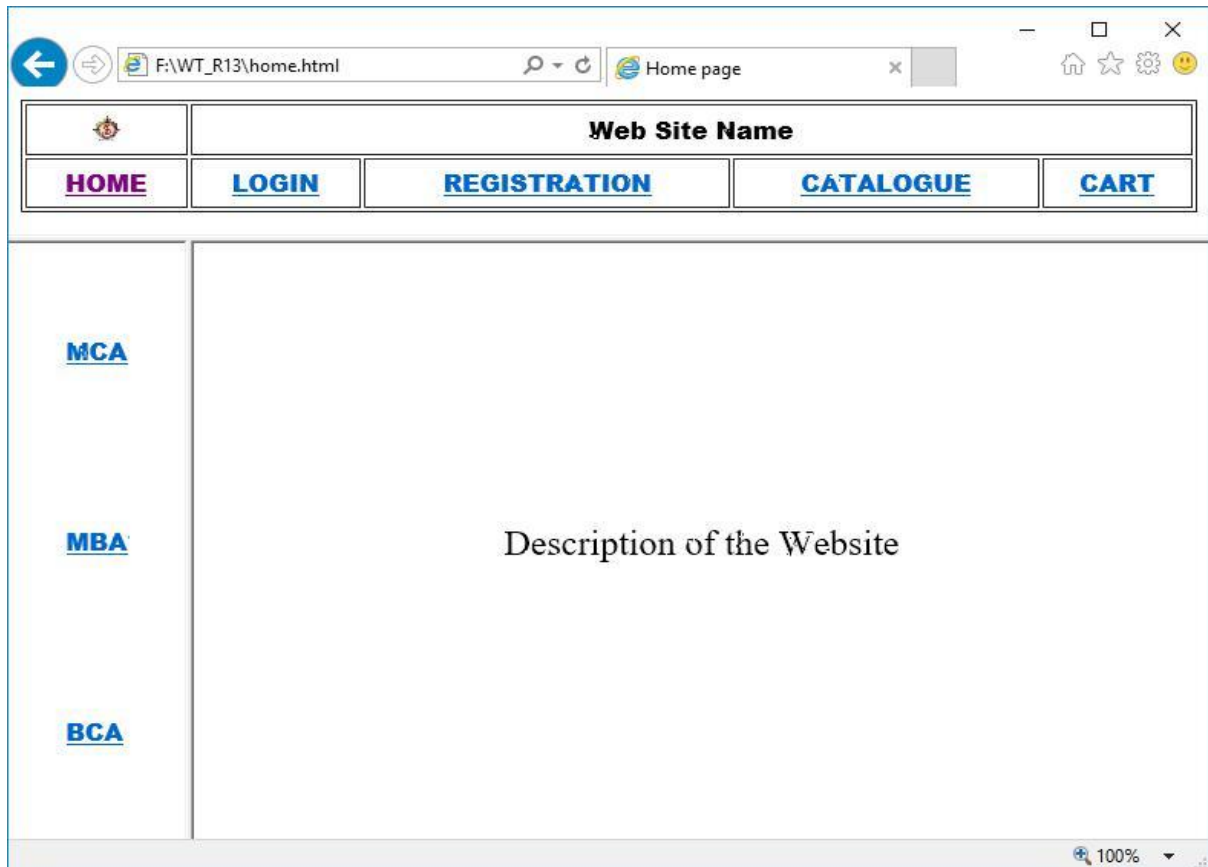Output:

Questions

1. Designing a static web pages.
2. Design a static web pages with registration page.
3. design a static web page with frames

Lab Report

This lab program is done with static web pages with contain frames, hyperlinks and etc.

Useful Resources

1. https://www.tutorialspoint.com/html/index.htm.
2. http://www.w3schools.com/html/html_intro.asp
3. http://html.com/document/
4. http://www.javatpoint.com/html-tutorial

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