



EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR SECOND SEMESTER EXAMINATION IN SCIENCE - 2005/2006

(March/April, 2008)

CS 353 - PRACTICAL WORK ON CS 303

(Proper & Repeat)

Time: 2 Hours

Answer all questions

Create a website using **XHTML**. You have to use Cascading Style Sheet (CSS) and the DIV elements to layout ~~your~~ each web page. The proposed web page template is shown in the Figure 1.

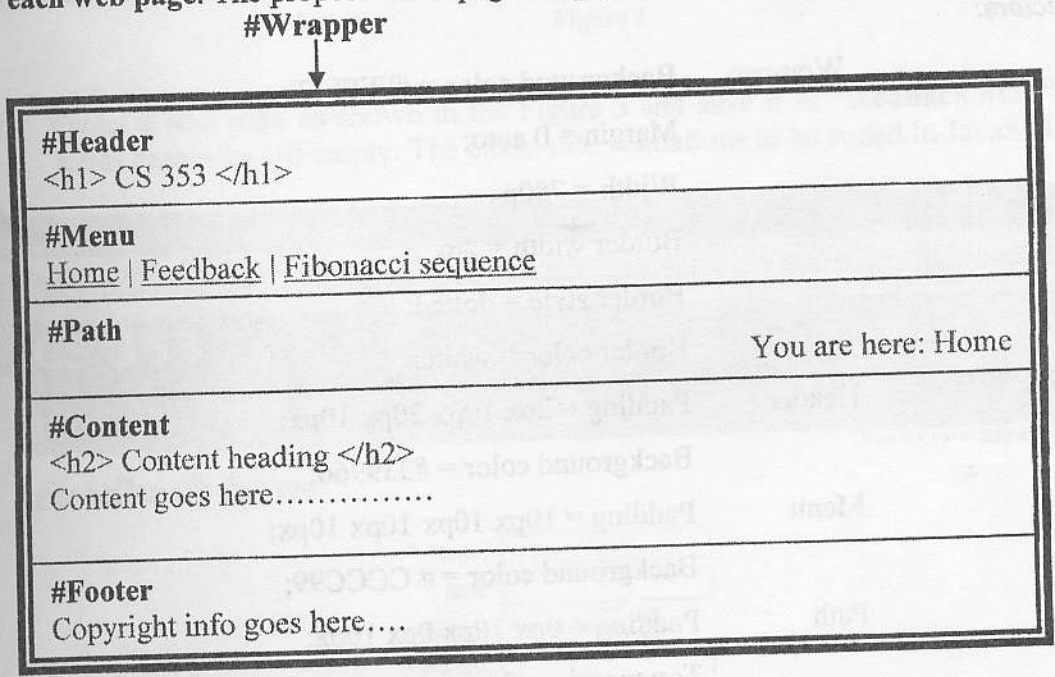


Figure 1

The page layout (Figure 1) consists of Wrapper, Header, Menu, Path, Content and Footer.

- The Header at the top of the page includes a site name.
- The Menu area includes the hyperlinks of the main menu. Also *Home*, *Feedback* and *Fibonacci sequence* hyperlinks have to link to the web pages “*index.html*”, “*feedback.html*” and “*fibonacci.html*” respectively.
- The Path area includes the current path information for the page.
- The Content area, which includes a heading and content for the page.
- The footer at the bottom of the Content area includes the copyright information.
- The Wrapper covers all the above sections (Header, Menu, Path, Content & Footer) as shown in the Figure 1.

Q 1) Create an External CSS (name it as "style.css") with following attributes:

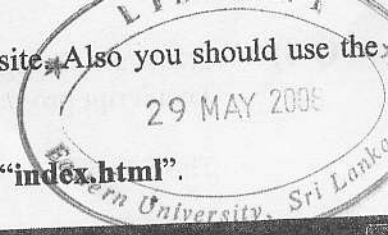
Element Selectors:

- body
Background color = #CCFFFF;
Text color = #000000;
Font face = Verdana, Arial, Helvetica;
Font size = 12px;
- h1
Text color = #FFFFFF;
Font weight = bold;
Bottom Margin = 0px;
Top Margin = 0px;
- h2
Text color = #663300;
Font style = italic;
Top Margin = 0px;
- b
Text color = #666666;

ID Selectors:

- Wrapper
Background color = #FFFFFF;
Margin = 0 auto;
Width = 780px;
Border width = 2px;
Border style = dotted;
Border color = white;
- Header
Padding = 2px 10px 20px 10px;
Background color = #339966;
- Menu
Padding = 10px 10px 10px 10px;
Background color = #CCCC99;
- Path
Padding = 0px 10px 0px 10px;
Top margin = 0px;
Text color = #666666;
Text alignment = right;
Font size = 10px;
- Content
Padding = 0px 10px 10px 10px;
- Footer
Padding = 5px 5px 5px 5px;
Background color = #CC9999;
Font face = Verdana, Arial, Helvetica, sans-serif;
Font size = 10px;

You should include the "style.css" into all web pages of your web site. Also you should use the elements with an id attribute to get the proposed page layout.



Q2) Create a home page as shown in the Figure 2 and save it as "index.html".

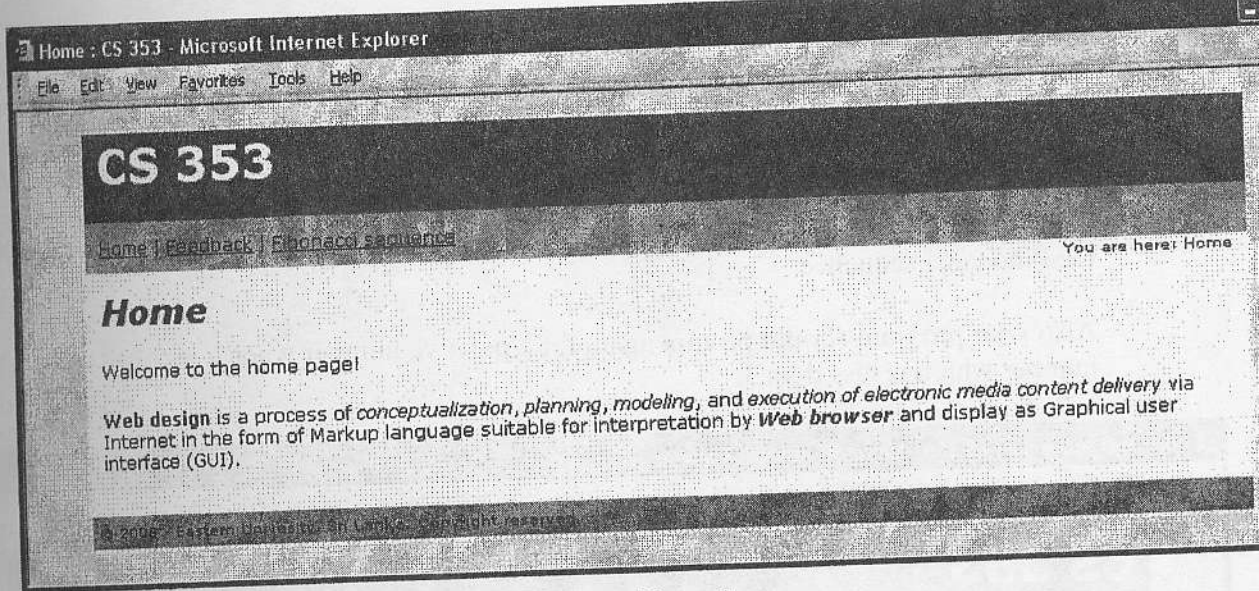


Figure 2

Q3) Create a web page as shown in the Figure 3 and save it as "feedback.html". The compulsory fields cannot be left empty. The client side validations to be coded in JavaScript.

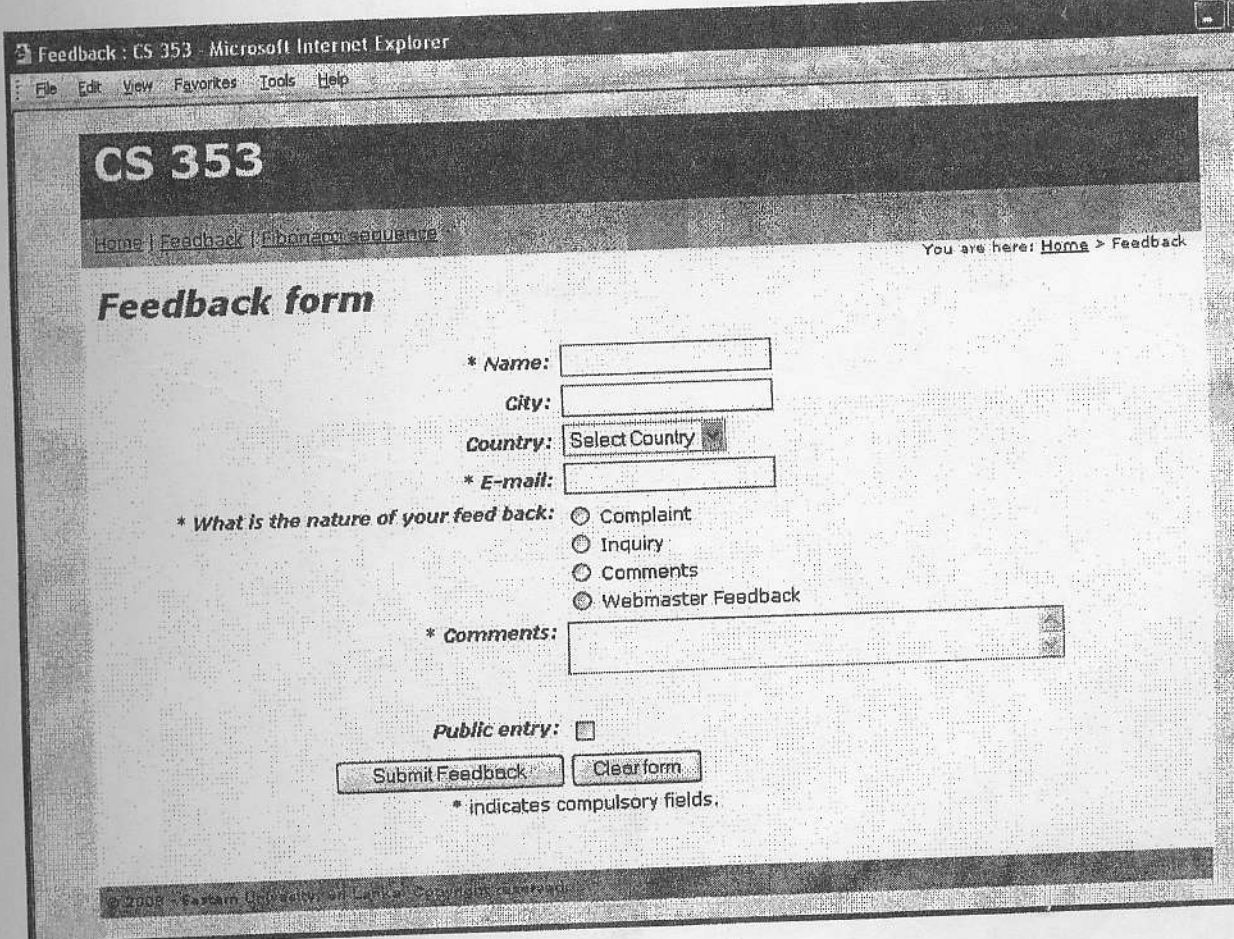


Figure 3

Q 4) Create a web page as shown in the Figure 4 and save it as "fibonacci.html". Embed a JavaScript program into the web page to print the first n numbers of the Fibonacci sequence.

The Fibonacci sequence is inductively defined by

$$f_1 := 1$$

$$f_2 := 1$$

$$f_n = f_{n-1} + f_{n-2} \text{ for any positive integer } n \text{ greater than } 2.$$

(For example, the first 10 numbers of the Fibonacci sequence will be 1, 1, 2, 3, 5, 8, 13, 21, 34, and 55.)

You have to use prompt dialog box to input a **positive number n (>2)** to print the n numbers of the Fibonacci sequence.

Also your program should prompt again for a positive number when a user has entered a number which is less than 3.

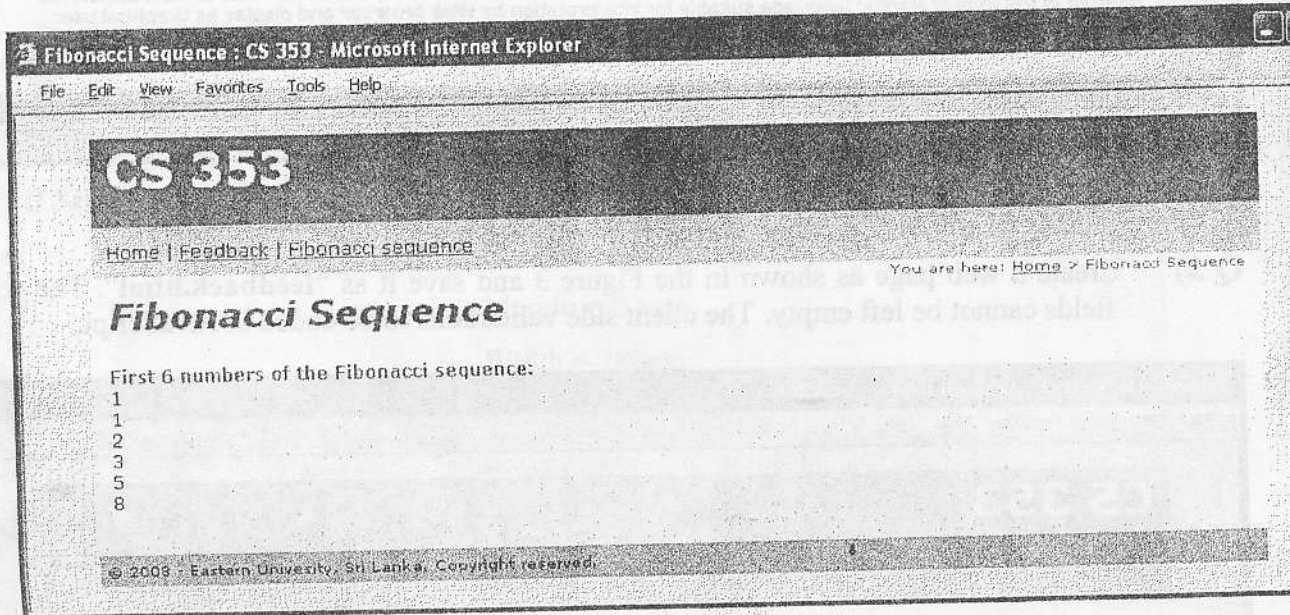


Figure 4