



## 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)

#### Answer all questions

Time: 2 Hours

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. #Wrapper

> #Header <h1> CS 353 </h1> #Menu Home | Feedback | Fibonacci sequence #Path You are here: Home #Content <h2> Content heading </h2> Content goes here..... #Footer Copyright info goes here....

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.

# Q1) Create an External CSS (name it as "style.css") with following attributes:

Element Selectors:	with following attributes:
bo	Background color = #CCFFFF;
	Text color = #000000;
SCHENCE - 2005/2006	Font face = Verdana, Arial, Helvetica;
1	Font size = 12px;
h	Text color = #FFFFFF;
303	Font weight = bold:
h2	Bottom Margin = $0$ px;
	Top Margin = 0px;
	Text color = $\#663300$ ;
Timer 2 Hours	Font style = italic;
	Top Margin = 0px;
ID G .	Text color = #666666.
ID Selectors:	assure William Control of the Contro
Wrap	oper Background color = #FFFFFF;
	Margin = 0 auto;
	Width = $780$ px;
	Border width = $2px$ ;
	Border style = dotted;
on are here: Mount.	- state color - write;
Header	Padding = 2px 10px 20px 10px;
	Background color = #339966;
	Padding = 10px 10px 10px;
Path	Background color = # CCCC99;
	Padding = 0px 10px 0px 10px;
	Top margin = $0$ px;
intent and Footst.  Fonte, Freelback and Fibonacc	Text color = #666666;
	Text alignment = right;
	Font size = 10px;
Content	Padding = 0px 10px 10px 10px;
Footer	Fadding = $5px 5px 5px 5px$ ;
	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.

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

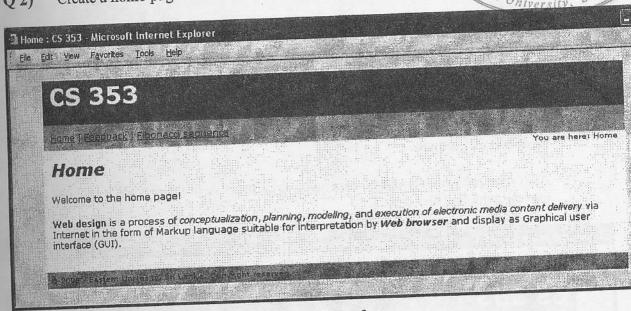


Figure 2

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

dback: CS 353 - Microsoft Internet Explorer Edit View Favorites Tools Help	
CS 353	
Home   Feedback   Fibonaco sequente	You are here: <u>Home</u> > Feed
Feedback form	
* Name: [	
City:	
Country:	Select Country M
* E-mail:	
* What is the nature of your feed back:	O Complaint O Inquiry
	O Comments
* Comments:	Webmaster Feedback
· comments	<u> </u>
Public entry:	
Submit Feedback	Clearform. compulsory fields.
Tillucates	

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

$$f_1 := 1$$
  
 $f_2 := 1$   
 $f_n = f_{n-1} + f_{n-2}$  for any positive integer  $n$  greater than 2.

(For example, 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 number 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.

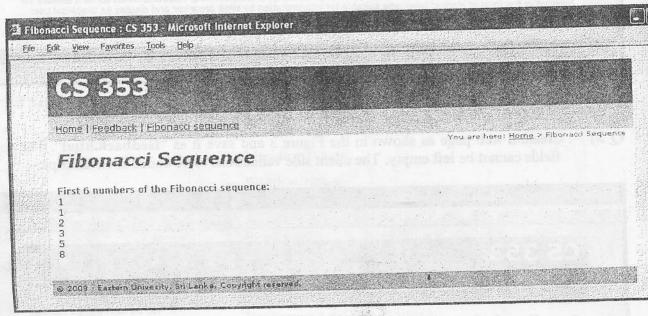


Figure 4