

2

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
End Semester Examination – August/ September 2014
CST 223-1 Web Designing



Time allocation : Two (02) hours

Total mark : 100

Complete all parts (I, II, III and IV) to design a single website

Necessary images and the contents are given in the CMS

01. You are supposed to design an e-Commerce website for a bookshop using the following constraints. You are given the necessary images and contents.

Part I - HTML

The website should consist of minimum of four (04) pages and each page should have the following features.

Home page

- Home page contains four (04) sections as the Header, Footer, Left-side panel and the Main content.
- The Header and the footer of the website must be common for all the pages.
- The footer contains **your examination index** as the copyrights holder.
- All the categories given in the **category.txt** should be listed (list should be formatted according to **Part III**).
- The content of the main section would be a grid view of the list of books (images have been given in **imgs** folder).

Category page

- A grid view for each of the category should be created (at least for four categories).
- For the implementation of this page, you have to follow the instruction given in **Part II** as well.

Contact Us page

- Mandatory fields (select as your preference) should be included with the submit button where the relevant labels should be displayed.

Shopping Cart page

- This page should be designed in order to display the content of the shopping cart.
A sample layout as bellow:

Your Basket:

Item	Title	Quantity	Item price	Total price	
	The Sick Rose Richard Barnett Sold by Blackwell.co.uk In stock online (immediate despatch)	1	Rs.1500.00	Rs.1500.00	Remove

Clear

Update basket



Checkout

Sub-total Rs.1500.00

Total: Rs.1500.00

(25 mark)

Part II - XML

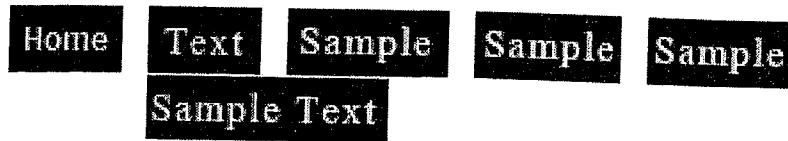
- Prepare an XML document using the content given in **xml.txt**.
- Import the XML content into the HTML document called **Category.html** where the output should be in the way described in Part I.
- You have to follow the instruction mentioned in Part III to style the XML document you created.

(25 mark)

Part III - CSS

- You are required to format and style the contents you added (in **Part I**) using appropriate CSS techniques.
- Identical look and feel should be maintained throughout the website.
- The category list in the left-side panel should be styled with a different color for hover properties.
- The hyperlinks should be introduced without the underline style.
- All the categories should be listed vertically with an image bullet (bullet images are given).
- Appropriate styles such as padding, margins, etc. should be applied where necessary.
- Book gallery should be implemented as a grid view with appropriate styles.
- Book title and its price (any value) should be displayed.
- Contents of the imported XML (xml.txt in Part II) should be styled using external CSS file.
- Implement a CSS drop-down menu containing the menu items mentioned in Part I. (list of the categories can be used as sub menus.)

A sample menu:



A sample grid view:



(25 mark)

Part IV - JavaScript

- Required fields of Contact Us page must be validated and once the submit button is clicked, all the details of the Contact Us form should be displayed on a pop-up window.
- In Shopping Cart page, Clear, Update Bucket, Remove and Checkout events should be implemented.
- Once the "Clear" button is clicked, Quantity box should be cleared.
- If the "Update Bucket" button is clicked, pop-up message should be appeared for asking the new quantity and the Quantity box should be updated with the entered value.
- If the user clicked on the "Remove" link, the content of the table row (or the element you used to hold the book details) should be removed.
- When the user clicked on "Checkout" button, a summary pop-up window should be appeared to confirm the purchase.

(25 mark)