

Concordia University
SOEN 287: Web Programming 1 - fall 2016
Assignment 2

Due Date: By 11:55pm, October 17, 2016

Evaluation: 4% of final mark

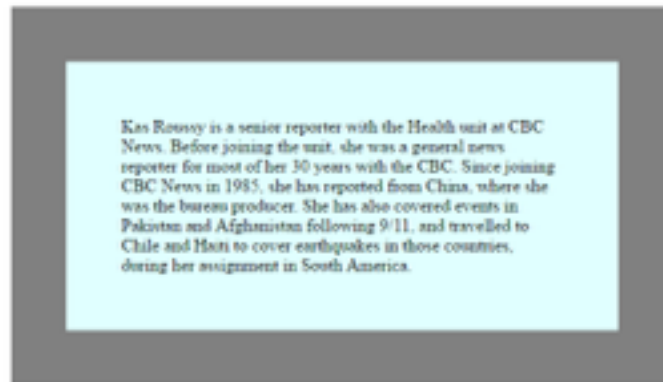
Late Submission: none accepted

Type: Individual Assignment

Purpose: The purpose of this assignment is to have you practice cascade style sheets and HTML5 tags.

Exercise 1: Understand the CSS box model

Please use `<div>` to implement a page illustrated below. 1) You can use any color combinations for the border and the background; 2) you can decide the content in the box and width of the paragraph in the border; 3) when you resize the browser window, the text are automatically wrapped.



Exercise 2:

Given the following Regular Expressions, explain in detail the pattern accepted by each. Pay attention to all the characters being used. *Your answers need not appear within an HTML page.*

- a) `/[a-z]*\s[0-9]*/`
- b) `/\d+\.\d*/`
- c) `/^\d{3}\-\d{4}$`
- d) `/^[A-Z]\d[A-Z]\-\d[A-Z]\d/`
- e) `/ (July|August)\s+\d{1,2} (\s|,)\d{4}/g`

Exercise 3:

Given the following descriptions, write a possible regular expression that expresses each of them. *Your answers need not appear within an HTML page.*

a) **Matching a Name** - First name must begin with a capital letter and be at least 2 characters long followed by either a (,) or a whitespace. The Last Name should begin with a capital letter and be at least 2 characters long but no greater than 20 characters long.

b) **Matching an Email** - First section should match word characters of any length except zero and must be followed by a @ symbol. The last section should match word characters of any length except zero and must not include an underscore (_). A single period (.) must follow along with the word *com* at

the end. No spacing is allowed within the pattern. The pattern need not match exactly (pattern can be a substring of a larger string).

• **Exercise 4: Step 1 of the Running Project - Secondary market**

The last question of each of the remaining assignments will be continuous from assignment to assignment. The goal is to build a website for people who are willing to exchange goods. You will expand what your site can do with each submission.

In this assignment, you will build the skeleton of the website, along with some initial content. Use HTML5 and CSS to accomplish this task.

The structure of the site should be broken into four components:

- **A header.** This should appear at the top of all pages on your site. It should include the name of your website as well as a logo/picture. Clicking on the logo/picture should take you to the home page.

- **A side menu.** This should appear on the left or right side of all your pages. Include the following contextual navigation links: *Home* page, *Browse Available Goods*, *Have something to sell* and *Contact Us*. The side menu should consistently appear on the left or right side at all times.

- **A content area.** This should be the main area where content of the site is displayed. This is where forms would be filled out and any significant text would appear.

- Following is a description of each page which will appear in the Content area of your site, as a result of clicking on one of the choices listed in the side menu.

- The **Home** page which should be a welcome page and have a brief description of what the site is about. Include enough content and decorated as you wish, to demonstrate your HTML5 and CSS prowess.

- The **Have something to sell** page will have a form which the person will need to fill out. For this assignment when this link is activated have a form that appears requesting the following information (you can add more and we may add more in future assignments):

- Classification of the goods
- Price of the goods
- Location Area
- Description of the goods (textarea)
- Their current owner's name (both family and given name)
- Their current owner's email (where they can be reached)
- Submit & Clear button - eventually the submit button will add the goods to the list of available goods on the server.

- The **Contact Us** page will have contact information. This is where you should include your name, student Id, email and whatever other info you wish to add.

- **A footer.** This should appear at the bottom of all your pages. Give it a distinct background color and include a link to a **Privacy/Disclaimer Statement** which can either appear in the content area of the site or in an alert or confirm box. It should display a message promising users that their information will not be sold or misused.

Note:

- 1) Although it is not a functional requirement, your site should always be well organized with properly named files and well defined directories.
- 2) All CSS should be in external files.

Evaluation Criteria for Assignment 4 (20 points)

Exercise 1 - 3 points	
Exercise 2 - 5 points	
Exercise 3 - 4 points	
Exercise 4 - 8 points	
a) Structure of the website	3
b) <i>Home</i> page	2
c) Form for <i>have something to sell</i>	2
d) Contact us page	1