

## *Topic 6 Practical Option\_2 - Creating Web Forms in HTML5 and CSS*

### Laboratory Practical: Millennium Computers (15 Marks)

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#### Aim

The aim of this practical work is to test your knowledge of Web forms in HTML5 by creating an order form for an online computer store.

#### Requirements

To start work on this practical work, you need to download [the data file archive file](#) that contains the following files: `formsubmit.js`, `go.png`, `mclogo.jpg`, `modernizr-1.5.js`, `stop.png`.

Also available on Stream.

#### Problem Scenario: Millennium Computers

You are employed at Millennium Computers, a discount mail-order company specializing in computers and computer components. Your supervisor, Anahera, has asked you to create an order form Web page so that customers can purchase products online. Your order form is for computer purchases only. There are several options for customers to consider when purchasing computers from Millennium Computers. Customers can choose from the following:

- ☐ Processor speed: 3.2 GHz, 4 GHz, 5.2 GHz
- ☐ Memory: 1, 2, 4, 8 GB
- ☐ Monitor size: 15, 17, 19, 21 inches
- ☐ Hard drive: 240, 500, 750 GB and 1 TB
- ☐ DVD burner: yes/no
- ☐ Tuner card: yes/no
- ☐ Media card reader: yes/no

#### Sample Solution Screenshot

The following screenshot presents a sample form, *but you could come up with a better Web form:*

Millennium Computers

Home

Desktops

Laptops

Peripherals

Support

Your Account

Shopping Cart

Contact Us

Build Your Computer

\* - required information

Contact Information

First Name \*

Last Name \*

Street \*

City \*

State \*

ZIP \*

Phone \*

Computer Configuration

Processor Speed

Memory

Monitor Size

Hard Drive

DVD Burner

LAN Card

Media Card Reader

☐ Yes, I want the 24-month extended warranty

Any special requests on your order?

Send Order

Cancel Order

Contact Me

Millennium Computer • 20 Sheffield Street • Terrace End, Palmerston North, NZ • (06) 555 - 8441

## Tasks to be Accomplished

Complete the following:

- Use your IDE to create an HTML file named `pc.html` and two style sheets named `mill.css` and `oform.css`. Enter your name and the date in a comment section in each file. Include any other comments you think will aptly document the purpose and content of the files. Save the files in the folder you have named.
- Design a web page for Millennium Computers. Insert any styles you create in the `mill.css` style sheet. You are free to use the `mclogo.jpg` file and whatever text or images you wish in order to complete the look and content of the Web page.
- Within the `pc.html` file, insert a Web form containing the following elements:
  - Input boxes for the customer's first name, last name, street address, city, province/county, post code, and phone number. The field names should be `fName`, `lName`, `street`, `city`, `county`, `pcode` and `phone`, respectively.
  - Selection lists for the processor speed, memory, monitor size, and hard drive size. The field names should be: `pSpeed`, `mem`, `monitor`, and `hd`, respectively. The option values should match the option text.

- c. Option buttons for the DVD burner, tuner card, and media card reader options. The field names should be: `dvd`, `tuner`, and `mCard`, respectively.
  - d. A check box for the `warranty` field that asks whether customers want 24-month extended warranty.
  - e. A text area box requesting additional information or comments on the order.
  - f. Three form buttons:
    - i. A submit button with the text label Send Order;
    - ii. A reset button with the text label Cancel Order; and
    - iii. A command button with the text label Contact Me.
  - g. Add validation checks marking all the customer contact fields as required.
  - h. Use regular expression patterns to ensure that each user enters his or her postal code and phone number in the correct format.
4. Name the form `cOrder` and add attributes so that the form is submitted using `post` method; use '#' for the web link.
  5. Create a style for your form in the `oform.css` style sheet. The layout and appearance of the form are up to you. It should include style rules to highlight input boxes that receive the focus, and it should employ inline validation for missing or incorrectly entered data.
  6. Publish your Web page on SEAT-WEBDEV.

Marking Schedule	
Component	Total Marks
Tasks 1 and 2	2
Task 3 ( a – h)	8
Task 4	1
Task 5	2
Task 6	2