



2012 Nova Scotia Skills Competition
Official Competition Name: Web Site Development
Competition Level: Secondary and Post-Secondary
Competition Location: NSCC Waterfront Campus
Competition Date: April 5, 2012

Note: Scope is subject to change due to equipment availability and/or at the discretion of the technical committee chairperson.

Purpose of Challenge:

To provide an opportunity for students to demonstrate their ability to design a dynamic website.

Skill and Knowledge to be tested:

Competitors will be tested on their ability to develop a web site for display on an Internet server via a web browser to a minimum XHTML strict 1.0. Competitors will produce a web site utilizing PHP which adheres to accessibility and usability issues outlined in the judging criteria (the project information will be provided at the competition).

Competitor workstation will have a XAMPP [Apache, MySQL, PHP, phpMyAdmin] installed for the creation of the website. Judges will evaluate the final project from the competitors' workstation.

Competitors have the option of presenting their final website in an informal and non-evaluated demonstration. Competitors should be prepared to demonstrate to the judges how their design meets the project requirements as outlined in the judging criteria. No marks will be awarded for the demonstration; however the judges may use the information given by competitors to evaluate their web sites. Competitors are expected to have a professional attitude.

In the effort to improve upon the competition the NTC would like to provide the opportunity to competitors the ability to test out the server and ask questions.

We plan to have the Internet server live prior to the competition. As soon as this is available we will post the URL on this document and on our support site. For a testing server account please contact Michelle McCurdy at michelle.mccurdy@nsc.ca

Tasks that may be performed during the contest

Client side coding – includes the following functions:

Design a web site using XHTML

Utilize CSS to standardize the theme/layout of the website

Utilize JavaScript libraries to enhance site interactivity

Seeking to optimize web pages through two different browsers FireFox and Internet Explorer (latest stable versions) within various resolutions.

Complies with W3C standards. (<http://www.w3.org>) and is accessible

Images

Create, manipulate, and optimize for the web

Competitors will utilize one of the following three technologies to enhance their website.

1] Animation and video

Modify and optimize moving image(s) for the web

Create web animation aligning to a provided theme/purpose

Incorporate animation within layout

Embed provided video clip(s)

2] Interactivity

Use JavaScript, Actionscript, or other forms of scripting to add interactive elements to the website.

Use one or two, JavaScript libraries (jQuery, Mootools, Prototype) to enhance website interactivity

3] Server side programming

Create and/or modify a server side application coded in PHP, MySQL (Example CMS, image gallery, membership application, shopping cart, product catalogue)

Web Programming (Ex: MVC or AJAX)

Equipment, Material, Clothing

Equipment and material provided by Skills/Compétences Canada

Computer workstation [monitor(s), English keyboard, mouse, computer]

Internet Server – for file storage/backup and URL filtering (provide access to the W3C website for file upload validation)

Ergonomic chair

Pens/Pencil Paper

Equipment and material provided by the competitor

May bring: personal keyboard, graphic tablet, mouse (No internal memory)

MP3 player (no internet enabled devices) and headphones

Required clothing (Provided by competitor)

“business casual” - No jeans, cut-off shorts or t-shirts.

Point Breakdown

Graphic Design	150
Technical Elements	100
Site Development	150
Presentation	100
Total:	500

Technical Committee

PTC Chairs – ***Michael Crocker, Michelle McCurdy, David Jellicoe***