Skills Canada National Competition

SCOPE DOCUMENT	
Competition Year	2012
Competition location	Edmonton, AB
Trade Number	17
Trade Name	Website Development
Level	Secondary and Post-Secondary

1. INTRODUCTION

1.1 Purpose of the Challenge.

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

1.2 Duration of contest.

12 hours and 30 minutes

1.3 Skills 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.

2. CONTEST DESCRIPTION

2.1 List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Project	March 2012
Judging Criterion	1 month before competition

2.2 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

Animation and video
- Modify and optimize images for the web
- Create web animation aligning to a provided theme/purpose
- Incorporate animation within layout
- Embed provided video clip(s)

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

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)
- Object Orientated Programming (Ex: MVC)
- Utilize AJAX

3. EQUIPMENT, MATERIAL, CLOTHING

3.1 Equipment and material provided by Skills/Compétences Canada

- Computer workstation [monitor(s), English keyboard, mouse, computer]
- Ergonomic chair
- Pens/Pencil Paper

3.2 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

3.3 Required clothing (Provided by competitor)
- "business casual"
- No jeans, cut-off shorts or t-shirts.

4. SAFETY REQUIREMENTS

4.1 List of required personal protective equipment(PPE) provided by <u>competitors</u>

☑ No PPE required

4.2 List of required personal protective equipment(PPE) provided by <u>Skills/Compétences Canada (SCC)</u>

☑ No PPE required

☑ No additional PPE will be supplied by S/CC

5. ASSESSMENT

5.1 Point breakdown

POINT BREAKDOWN	/1000
Design	150
XHTML/CSS Template	150
Animation	50
Functionality	200
Form	100
Security/Coding	200
Integration	150

6. ADDITIONAL INFORMATION

6.1 Consecutive translation

If consecutive translation is required on site, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

6.2 Software requirements

If French software is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this software might not be guaranteed.

6.3 Computer keyboard requirements

English Keyboards will be provided, if a French keyboard is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this keyboard might not be guaranteed. Competitors may also bring their own keyboard, mouse and/or graphics tablet with the required drivers. The NTC will not guarantee that the devices supplied by the competitor will work with the host workstations.

6.4 Tie (No ties are allowed)

In case of a situation in which the competitors are tied in total competition points, the tie breaking procedure will be the responsibility of the judges.

6.5 Competition rules

Please refer to the competition rules for all general SCNC information.

7. NATIONAL TECHNICAL COMMITTEE MEMBERS

Region	Name	Email address
Pacific Region	Roger Gillies	roger@firstcontactdesign.com
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