

2010 Provincial Skills Canada Competition

Scope Document

Edmonton Expo Centre, Edmonton

May 12 & 13, 2010

EVENT: Web Site Development	LEVEL: Secondary
START TIME May 12 th : 8:00 am May 13 th : 7:30 am	LOCATION: Hall B, Edmonton Expo Centre, Edmonton
THEORY EXAM: No	DURATION: 12 hrs (Two Days)
WORLDSKILLS TRADE #: 17	REGIONALIZED EVENT: No

GENERAL DESCRIPTION

Purpose of the Challenge:

To recognize outstanding students for excellence and professionalism in the design and creation of web pages by secondary students.

Skills and Knowledge to be Tested:

- Contestants will be tested on their ability to develop web pages on a fictional scenario that is described below
- Some features that competitors will be asked to include on their web page are: menus, graphics, forms, email, tables, internal and external links, and bullets
- Simple server side programming, use of a database
- Site should be easy to maintain and user friendly and cross browser compatible for the latest versions of Firefox & Internet Explorer
- Majority of the site needs to be built using XHTML with additional elements such as Flash, Scripting languages or others
- Presentation formatting should be done with CSS not XHTML/HTML
- A proper planning process must be presented on paper (storyboard/flowchart)
- All final project media must be stored in C: \website (website will be tested from the server)
- Websites should appear pleasing in various screen resolutions

Project Outline:

Competitors will be responsible for creating a sports team's website. There will be three sports / teams to choose from:

- Junior hockey club
- Soccer team
- Competitive softball team

The student is to take the perspective of them developing a site for a customer. These are the pages the customer requires:

- Home / splash page
- Ticket information
- Schedule, past seasons
- Statistics, player and team
- Fan zone (pictures, etc...)
- Roster



- Alumni
- Staff
- Contact information, request for information
- Sponsors

All of this information on the site must be tied together using a menu and web design. A number of images will be provided as a starting baseline.

EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

Appropriate materials for planning (i.e.: paper, pen, & ruler).
Competitors should be in casual business attire.

Equipment and Materials Supplied by the Committee:

Hardware:

Compatible Pentium type microcomputers (Windows only) fitted with Super VGA monitors and 2 button mouse

Software:

Base System:

- Windows XP
- MS Office
- XAMPP (installed locally)
- Apache
- PHP
- MySQL database
- phpMyAdmin
- Filezilla FTP
- PuTTY
- PHP / MySQL Reference from their respective sites will be available on the workstations

Testing:

- Firefox and Internet Explorer
- XHTML Validation Tool
- HTML5Validation Tool
- CSS Validation Tool

Graphics:

- Adobe Creative Suite
- Flash
- Freehand
- Fireworks
- Paintshop Pro
- GIMP

Text Editors / Design Tools:

- Frontpage (Frontpage Extensions not supported)
- HTML Kit
- Notepad ++
- Homesite
- EditPlus
- UltraEdit
- Textpad
- Metapad
- PHP Designer
- Vim Colour Editor

* Registered Global Variables will be off for the PHP server.

* Provincial Competition's software is in line with the National Competition's server and client side software.

* We do not guarantee software versions

RELATED CAREER AND TECHNOLOGY STUDIES MODULES:

Module INF 1050	Module INF 2200
Module INF 1070	Module INF 3130
Module INF 2130	Module INF 3190

Descriptions of all modules are located at the following website:
<http://www.education.gov.ab.ca/cts/infopro/>

JUDGING

Criteria:

- Storyboard
- Visual/Design
- Context
- Technical elements
- Server side elements
- Conveyance of appropriate message
- Presentation of website to judges (required to answer basic client type questions)

The top secondary competitor will advance to compete at the National competition in Kitchener-Waterloo, Ont.
http://www.skillsCanada.com/index.php?option=com_content&task=view&id=183&Itemid=224

ADDITIONAL INFORMATION:

No additional materials, hardware or software will be allowed for the contest.

Reference Books may be brought into the competition under the following conditions:

- Books must be brought in at the start of the competition on day 1.
- Books will be placed on a communal table and may not be brought to an individual workstation.
- Books will be available to all competitors.
- Books must be left until the end of the competition just before judging.
- No customized notes will be allowed.
- Books must be brought to committee staff for inspection.
- Only commercially published books will be allowed.
- No more than one book per competitor.
- Book ownership must be noted.
- No Internet Access will be provided or allowed to Contestants
- CDROM/DVD/USB will be off limits during the competition
- No Cellular Telephone devices will be allowed.

COMMITTEE MEMBERS

Harm Gerding (Chair)	Hearthstone Consulting & Development Ltd.
Bruce Zawalsky	Hearthstone Consulting & Development Ltd.
Brad Frere	Lost Dog Developments
Brent Lauinger	Lost Dog Developments