

**13<sup>TH</sup> CANADIAN SKILLS COMPETITION**  
**13<sup>ES</sup> OLYMPIADES CANADIENNES DE LA FORMATION PROFESSIONNELLE ET**  
**TECHNIQUE**  
**2007 – Saskatoon, Saskatchewan**



**POINT BREAKDOWN / 1100 TOTAL**

Exam: ..... 100  
 User Interface: ..... 350  
 Technical Elements:..... 300  
 Content: ..... 250  
**Total: 1000**

Judge : \_\_\_\_\_

Competitor : \_\_\_\_\_

**JUDGING CRITERIA**

<b>Exam – 30 minutes</b>		
<ul style="list-style-type: none"> <li>A written exam will be administered testing you on your knowledge of XHTML 1.0, PHP, MySQL and CSS level 1 and 2. The exam will be comprised of 50 multiple choice questions.</li> </ul>		
		Max Score: /100
<b>User Interface</b>		
<b>Navigation :</b>		
<ul style="list-style-type: none"> <li>Links are easily identifiable and their use is intuitive. Users can move easily both forward and backward through the site.</li> <li>Path to desired information is clear. Use of menus, image maps, input types, etc. directs visitors to relative information.</li> <li>Site interactivity is good. Links, buttons, check boxes, text boxes are used to give the user a high level of engagement.</li> </ul>		/100
<b>Layout :</b>		
<ul style="list-style-type: none"> <li>Content (text and graphics) are organize in a way to promote readability. White space and other devices are used to make the page easy to read or view.</li> <li>Page format is appropriate. Pages are not inordinately long. Scrolling is kept to an acceptable level. Use of tables or other windowing devices does not ‘clutter’ the site.</li> </ul>		/100
<b>Aesthetics :</b>		
<ul style="list-style-type: none"> <li>Site is aesthetically appealing. Use of background and foreground colour promotes readability.</li> <li>Graphic size, positioning and type enhance text and navigability.</li> <li>Site visual theme is consistent. There are no jarring changes in layout, font usage, colour, etc. as the visitor moves from page to page.</li> <li>Visual design is creative. The visual design has a high level of originality.</li> </ul>		/100
		Subtotal 300 x 1.17 = Max Score: /350

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<b>Technical Elements – Quality of Programming Structure</b>	
Code will be validated to XHTML 1.0 Transitional compliant, utilizing Dreamweaver Studio 8 for validation <ul style="list-style-type: none"> <li>○ 1 mark deducted for each type of error encountered</li> </ul>	1 2 3 4 5
Utilization of CSS <ul style="list-style-type: none"> <li>• External style sheet with basic properties (1)</li> <li>• Structure of CCS (1)</li> <li>• Full site layout with CSS (3)</li> </ul>	1 2 3 4 5
Flash Component <ul style="list-style-type: none"> <li>• Contains a preloader (2)</li> <li>• Integrated into the website (4)</li> <li>• Complexity of movie (2)</li> <li>• Content is presented in an interesting and logical manner. (2)</li> </ul>	2 4 6 8 10
Build a database based on information provided. <ul style="list-style-type: none"> <li>• table structure is well designed (2)</li> <li>• name of fields is appropriate to content (2)</li> <li>• type of field is appropriate to content (1)</li> <li>• use php naming convention standard form [php.net] (1)</li> </ul>	1 2 3 4 5
Write a PHP script and Javascript for form validation. <ul style="list-style-type: none"> <li>• Javascript validates empty field (1) and the email @ sign. (1)</li> <li>• PHP validates code injection (2)</li> </ul>	1 2 3 4 5
Write a PHP script that reads, writes, and deletes entries to a MySQL database. <ul style="list-style-type: none"> <li>• Connect (1)</li> <li>• Insert (2)</li> <li>• Update (2)</li> <li>• Delete (1)</li> <li>• Select (2)</li> <li>• Guard against MySQL code insertion (2)</li> </ul>	1 2 4 6 8 10
Write a PHP script that creates dynamic web pages based on the information in the database. <ul style="list-style-type: none"> <li>• Use sessions (2)</li> <li>• Modularize using functions <ul style="list-style-type: none"> <li>○ connection to database (1)</li> <li>○ code architecture (1)</li> <li>○ page redirect based on security access (1)</li> </ul> </li> </ul>	1 2 3 4 5
Design a site that allows for easy updates and maintenance. <ul style="list-style-type: none"> <li>• Simple index page (2)</li> <li>• Main template (2)</li> <li>• Include file structure (2)</li> <li>• File structure (2)</li> <li>• Authentication system for user/administration access (2)</li> </ul>	2 4 6 8 10

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Page Layout <ul style="list-style-type: none"> <li>Fluid design (eg. have a 100% wide DIV rather than 600 pixels wide). (2)</li> <li>Markup and CSS code must be used properly for cross browser compatibility (3)</li> </ul>	1   2   3   4   5
Forms <ul style="list-style-type: none"> <li>Show all of the validation errors on the form itself (1)</li> <li>Use style sheets to enhance the look and interaction of the form. (Ex: Surround the field with a colored box and repeat the error message right next to the field. The colored box draws attention to the missing information and the error text explains exactly why that field is highlighted.) (1)</li> <li>Associate labels explicitly with their controls. You can achieve this by using the <b>label</b> tag. Eg. <code>&lt;label for="user" accesskey="U"&gt;name&lt;/label&gt; &lt;input type="text" id="user"&gt;</code> The accesskey attribute is another way of improving accessibility. If is assigned, in this case to "U", then when alt+U is pressed the focus will go to the associated label, (Internet Explorer Specific) which in turn gives focus to the associated control. (1)</li> </ul>	1   2   3
Subtotal 63 x 4.76 = Max Score: /300	

<b>Content Architecture</b> (minimum 5 pages)	Poor	Excellent
Purpose of site is clearly identified. Titles, logos, headings, etc. communicate site intents and objectives.	1   2   3   4   5	1   2   3   4   5
Site content is organized in a logical and useful manner. Site content moves from introductory or general content to specific or detailed content.	1   2   3   4   5	1   2   3   4   5
Site content supports the intention of the site. The information is useful.	1   2   3   4   5	1   2   3   4   5
Images and text work together to realize the objectives of the site. Images are not used for their own sake.	1   2   3   4   5	1   2   3   4   5
Content is creative. The content is presented in an interesting and original manner.	1   2   3   4   5	1   2   3   4   5
The programming of the functionalities meets the requirements of the project presented the first day of competition	1   2   3   4   5	1   2   3   4   5
Subtotal: /30		
Subtotal x 8.33 =		
Max Score : /250		

<b>Exam:</b>	/100
<b>Visual Design:</b>	/350
<b>Technical Elements :</b>	/300
<b>Content Architecture :</b>	/250
<b>TOTAL :</b>	<b>/1000</b>