Contest Description
Edmonton Expo Centre, Edmonton
May 7 & 8, 2025

EVENT: Website Development	**LEVEL:** Secondary
WORLDSKILLS TRADE #: 17	**LOCATION:** Hall E, Edmonton Expo Centre, Edmonton
DURATION: 12.5 Hours	**REGIONALIZED:** No
EQUIPTMENT DROP OFF, SET-UP AND TESTING **MAY 6:** 4:00PM – 5:30PM	

COMPETITION SCHEDULE:

May 7:

ORIENTATION	7:45AM-8:00AM
COMPETITION	8:00AM-12:00PM
LUNCH	12:00PM-1:00PM
COMPETITION	1:00PM-4:30PM

May 8:

COMPETITION	7:30AM-12:00PM
LUNCH	12:00PM-1:00PM
PTC Q&A	1:00PM-2:00PM

Please Note: This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in ==yellow.==

CONTEST INTRODUCTION
To evaluate competitors' understanding and ability in Web Technologies.

SKILLS AND KNOWLEDGE TO BE TESTED:
Competitors will be given a starter website template and be asked to complete 7 tasks for a fictional customer. The starter website will be built with HTML5, JavaScript, CSS, and PHP/MySQL. The following skills should be demonstrated by competitors:

- Improving menus, graphics, forms, styles, and links.
- Adding and designing animations.
- Creation of new JavaScript functionality.
- Debugging PHP / JavaScript / HTML code.
- Planning.
- Responsive design.

- Maintainer-friendly code.
- Cross browser compatibility between latest versions of Firefox, Chrome, and Edge.
- Use of FTP.

2 machines running Windows 11 will be available to test your website once posted to the server in case your device does not have or does not support the browsers mentioned above.

All project media will be available on the provided server and will need to be accessed using an FTP client. **Students will be required to post their work to the server for grading purposes.** FTP instructions will be given, but students are strongly encouraged to have this knowledge beforehand. **Please ensure your BYOD has an appropriate client, like FileZilla, for your upload method.** Basic troubleshooting will be provided.

PROJECT DESCRIPTION

The students will be responsible for completing a website / online store for a fictional company in the realm of either:

- Gift shop for a national park
- Seasonal decorations store
- Landscaping supplies company
- Bank / money lender

The starter site will have the following:

- Home page
- Product listing & relevant pages
- About / upcoming events page
- Placeholder contact us page
- Logo and basic (awful) design.

The competitor will be asked to complete some tasks for the customer (weighted equally):

- Improve overall look & feel of the website.
- Add responsive design.
- Create additional calculator(s) for customer use. The customer has an existing calculator already.
- Implement basic ratings on product page.
- Create a contact form using HTML5 that interacts with an existing email-sending script.
- Debug HTML5 and PHP/MySQL issues with the starter site.

EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:
- Appropriate materials for planning (i.e. paper, pen, & ruler).
- Your own computer or laptop with <u>wired</u> network capability and appropriate software. Some examples include:
    - Visual Studio Code
    - GIMP
    - FileZilla
    - XAMPP
- Your own monitors if necessary, 2 maximum. (example i.e.one laptop, 1 monitor OR one desktop, two monitors)
- Power bars or extension cords for devices.

Full Internet access will be granted at specific times both days. There will be wireless (wifi) available on a case by case basis.

Bring Your Own Device (BYOD) Information

<u>IMPORTANT:</u> Competitors are required to bring their own device and software that meets or exceeds the stated requirements for their competition. Each competitor can choose their own device and software so their workflow and process is what they are familiar with. If competitors are bringing a computer or laptop from their school (instead of their personal computer), please ensure that the computer is unlocked allowing for USB sticks, documents and possibly software to be saved/installed to the hard drive and IT support can be properly provided onsite. This may require administrator privileges to access the CMOS settings. All USB sticks provided for competition use will be cleared and inspected prior to being used.

NOTE: Computers must remain inside the competition area for the duration of the competition from the time the competition begins on Day 1 to when the competition ends on Day 2 (including overnight). Competitors may supply their own locking cables if they wish.

Equipment Set-up and Testing (for BYOD events)
Before the Opening Ceremonies and registration, students who are competing in technology-based events that are a BYOD event will be given an opportunity to set up and test their equipment to ensure their equipment is fully functional and networked (where required) prior to the start of the competition. Only accredited students and educators will be permitted into the competition site for equipment drop off and testing. Students who miss the equipment and setup testing opportunity will need to set up their equipment AFTER the mandatory COMPETITOR ORIENTATION time on the day of competition. Any time

that is required to set up and test their equipment on the competition day will be part of their overall competition time. The competition time for these competitors will NOT be extended.

Equipment Set-Up and Testing for all event areas that are Bring Your Own Device will be held on Tuesday May 6, 2025, at 4:00pm (before opening ceremonies/registration).

Test Project change at the Competition
Where the Test Project has been circulated to Competitors in advance, PTC can change a maximum of 30% of the work content.

Equipment and Materials Supplied by the Committee:
A server will be provided for competitors to upload their changes. This server will also have the starter site project. Competitors **MUST** be able to use FTP to upload and download the content.

The server will be running the following:
- Linux operating system with FTP available
- PHP 8.2
- MySQL (MariaDB) 11.1
- phpMyAdmin for database access
- NGINX for serving webpages
- MailDev (https://github.com/maildev/maildev) for each competitor

Competitors will not have access to the server configuration files. Software versions are not guaranteed.

JUDGING CRITERIA

• Storyboard/Visual/Design	*50%*
• Technical elements	*40%*
• Q&A (informal chat / discussion)	*10%*
Overall Total	***100%***

RELATED CAREER AND TECHNOLOGY STUDIES COURSES
Descriptions of all modules are located at the following website:
https://education.alberta.ca/career-and-technology-studies/programs-of-study/

Business, Administration, Finance & Information Technology (BIT)
Media, Design & Communication Arts (MDC)
Career Transitions (CTR)

SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

Clothing Requirement

Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts and open toed shoes/sandals will not be permitted. No loose-fitting clothes. Hawaiian t-shirt attire is allowed. Please note that the competition hall usually has strong air conditioning.

ADDITIONAL COMPETITION INFORMATION

- No additional materials, hardware will be allowed for the contest.
- Internet access for all competitors will be allowed at specific times both days.
- No other internet access will be permitted.
- No Cellular telephone devices will be allowed, **strictly enforced**.
- 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.
- Headphones for listening to music is permitted, provided they are attached to your BYOD.

ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations
Regional and Provincial Rules and Regulations

Project Change at the Competition
Where a Test Project has been circulated to competitors in advance, the PTC can change the project up to a maximum of 30% of the work content for the competition.

Competitor Registration
Registration for Provincial Skills Canada Competition (PSCC) will open online on January 15, 2025 @ 8:30 AM. Please refer to this competitions event page for additional registration and competition information: https://skillsalberta.com/competition/

Lunch
Lunch for accredited competitors will be provided by Skills Canada Alberta.

Parking & Venue Maps
Parking is FREE for all attendees.
http://edmontonexpocentre.com/attend/parking/

Opening Ceremonies / Competitor Registration
Opening Ceremonies for the PSCC will take place on Tuesday May 6, 2025, at 6:00 pm in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremonies.

Awards Ceremony
The Awards Ceremony will take place on Thursday May 8, 2025, at 6:30 pm in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at http://skillsalberta.com/

Team Alberta Information
Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 28- May 31, 2025, in Regina, SK. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at
https://www.skillscompetencescanada.com/en/calendars/category/skills-canada-national-competition/

During the PSCC Awards Ceremony on Thursday May 8, 2025, gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next top ranking individual will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation must be emailed to javierad@skillsalberta.com prior to the start of competition on May 7, 2025.

Please prepare your students in advance to accept a position on Team Alberta and review how your school will support their participation.
Please see this link for additional Team Alberta information: https://skillsalberta.com/team-alberta/

Questions?
Please contact Mike Sury MikeS@SkillAlberta.com

COMMITTEE MEMBERS

Brad Frere (Chair) bradfrere@lostdogdev.com	Lost Dog Developments Inc.
Matt Waggoner	DevFacto
Travis Ralston	Matrix.org

APPENDIX Competitor Resources

Bootstrap
http://getbootstrap.com/

jQuery
https://www.w3schools.com/jquery/default.asp

MySQL
https://www.mysql.com/
https://www.w3schools.com/sql/default.asp

PHP
https://www.w3schools.com/php/default.asp

D3 Graph
https://d3-graph-gallery.com/

MailDev
https://github.com/maildev/maildev

FileZilla
https://filezilla-project.org/download.php
Please note the FileZilla Client installer includes additional offers. Declining these during install, or using one of the listed alternative downloads, is recommended.