



Web Design and Development

Career Competition

Career Cluster: Arts & Communication

State Qualifying Event: No

National Contest: No

Participation: Teams of 2

Competition Description

This competition is closely aligned with real-world skillsets relevant to employers and tracks closely with Nationals and World Skills. Teams will complete a series of task focusing on planning, aesthetics, usability, accessibility, semantics, responsive, and scripting.

Tasks To Be Evaluated

- Work with a client to demonstrate communication skills
- Plan a web project with deliverables including:
 - Goal/task identification & measurement
 - Information Architecture with wireframing and sitemaps
 - Setting Aesthetic direction with Style Tiles, mood boards or other tools.
- Implementing a responsive layout with HTML and CSS
- Consuming and interacting with an API with JavaScript
- Resume review & Interview

Clothing Requirement

National Requirement:

Class E: Competition Specific: Business Casual Attire

- Official SkillsUSA white polo shirt
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.

State Requirement:

National Requirement OR

- White polo shirt or button-down dress shirt (other colored polo/dress shirt will be subject to deductions)
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.
- Any embroidered names or school patches must be covered, if applicable.

Provided by Competitor

- Two multiple outlet surge protectors
- Sketch pad for storyboarding
- Computers with USB port, and Wi-Fi
- Related Web authoring and graphics software accompanied by proof of license
- Design and development tools necessary to build a complete website

Provided by Technical Committee

- Table space for two computers, with two chairs
- Single 110-volt electrical outlet per team
- An online code editor and preview server environment



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Additional Information

- Competitors will do all coding in a provided online editor environment.
- Responsive design and coding techniques are a critical component of web design in our industry and will be equally valued at this contest.
- JavaScript will play an increasing role in the contest this year, as it does in projects across the industry. Teams will need to know how to consume and interact with REST API. This API will return JSON.
- We will allow the use of JavaScript and CSS frameworks; we expect a demonstrable understanding of the fundamental technology that these frameworks are built on. A continued advancement of core web technologies and 'evergreen' browsers' ability to keep up to date with these advancements have greatly reduced the industry's reliance on frameworks.