



Web Design & Development Scenario 2025

The Web Design & Development competition will run from 8 AM until 4 PM. **Instructions will be given promptly at 8:15 AM, so it is recommended that teams arrive on time to prepare their workstations.**

Students are expected to come prepared with a code editor of choice and knowledge of said program. There are no requirements on what code editor software is to be used (VSCode, Adobe Dreamweaver, Notepad, etc.), but the usage of content management systems such as WordPress, Wix, Drupal, or other site-building software is prohibited. CSS frameworks like Bootstrap and Foundation; Javascript libraries like React and Angular; and package managers like npm are all prohibited. Exported websites must include an 'index.html' file and must look and work similarly whether connected to the Internet or not. Websites will be judged by the use of design principles, overall functionality, mobile responsiveness, spelling & grammar, formatting of code, and presentation of the final website.

After receiving competition instructions, teams will have until 3:00 PM to build their websites. The day will include multiple checkpoints when teams move on to the following sections of their websites. Checkpoints are meant to split development time and ensure teams hit all competition requirements. At 3:00 PM, students will stop work on their websites and submit them to the contest coordinator. Once all websites have been collected, presentations will begin. Each team will be asked to give a run down of their website, the design decisions they made, and any difficulties they may have had.

For the Web Design & Development competition, teams will be designing a homepage for a product of their choosing. Products may either be available on the market, fictional, or even something created on the spot.

Websites should include all of the following requirements:

- Display the company name and logo, product name and logo (if applicable), and one picture or rendering of the product (stock photography is fine)
- Integrate a color scheme into the site that is on-brand with the product
- Build using a traditional website layout (header, body, footer)
- Include TWO of the following:
 - Mission statement section
 - Image gallery section
 - Social media links section
 - Contact Us form (does not need to function)
 - Social proof (customer reviews/comments, "brands we've worked with", etc.)

All web pages must contain valid HTML and CSS that pass an HTML validator such as the WC3 Markup Validator, www.validator.w3.org. All web pages should have proper HTML meta tags such as Title, Description, Keywords, and Author. All work on websites and web pages must take place during the competition timeframe and in the competition space. Plagiarism of code will result in automatic disqualification. Teams that previously competed will not be allowed to recycle or reuse code they have used in past competitions.