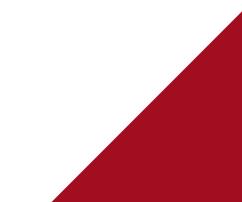# Web Design Artist

The Web Design Artist challenge is crafted to test both creativity and technical expertise in web design. This competition is divided into three rounds, where each round may require participants to either draw a shape or construct a functional part of a web page. As the rounds progress, the challenges become more complex, requiring participants to demonstrate a deep understanding of design principles and coding skills

Objectives

1 Encourage participants to develop creative and responsive web designs.

2 Assess the ability to create user-friendly and visually appealing web interfaces.

3 Test participants' knowledge of HTML, and CSS

4 Evaluate the understanding of modern web design principles, including responsive design, accessibility, and user experience.

5 Promote teamwork and collaboration among participants.

https://eg.technoxian.com/web-design-artist

Who can apply..?

We encourage you to apply if you meet our eligibility criteria and other requirements.

Age Group

Junior division (10-13 years)

Senior division (14-17 years)

Team Composition

Team members should be at maximum 3 members guided by a Coach.

Participants may also choose to enter **individually**

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Competition Rules

1- Rounds:

- The competition is divided into two stages: drawing a shape or building part of a web page.
- The competition consists of three rounds, each becoming progressively more challenging.
- Each round lasts **one hour**, with a 15-minute briefing period before the round to explain the challenge and answer participants' questions.

2- Software:

- Participants can work on any offline editor such as VS Code.
- Participants must work with HTML, and CSS without any external libraries or framework
- Internet access is not allowed during the rounds.

3- Collaboration:

- Unauthorized collaboration with non-team members is strictly prohibited and may result in disqualification.

4- Evaluation:

- Judges will manually review the code created by each team after the round is completed. It will be evaluated based on specific judging criteria.
- Teams will explain their work to the judges after each round.

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Topics Covered

Junior

HTML:

- **Basic Structure of a Web Page (Head, Body, Doctype)**
- **Text Formatting and Links**
- **Images and Media Integration**
- **Lists (Ordered and Unordered)**
- **Tables and Forms**
- **Semantic HTML Elements**

CSS

- **Styling Text and Elements**
- **Box Model (Padding, Margin, Border)**
- **Layout Techniques (Flexbox, Grid)**
- **Responsive Design (Media Queries)**
- **CSS Animations and Transitions**
- **Customizing Buttons and Navigation Menus**
- **Positioning and Layering (Z-index)**

Topics Covered

Senior

In addition to the HTML and CSS topics covered in the Junior Category

JacaScript:

- **Basics of JavaScript syntax and structure.**

- **Variables and Data Types:**

- **Basic Operators and Expressions:**

- **Conditional Statements**

- **Loops and Iteration**

- **Functions**

- **DOM Manipulation: Accessing and modifying HTML elements**

- **Event Handling: Responding to user actions like clicks, keypresses, and mouse movements.**

- **Working with arrays and objects to store multiple values.**

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Judging Criteria

The judges will meet with the team to review their programming work, and points will be awarded based on the following criteria

Criteria	Description	Points
Mission Achievement	Evaluates if the code successfully meets the challenge requirements and delivers the expected visual and functional results.	20
Accuracy and Implementation	Assesses whether the HTML and CSS code is accurately implemented according to the challenge criteria, ensuring proper structure and styling.	20
Logical Flow	Reviews if the web page follows a clear, logical structure in its layout to achieve the intended user experience.	10
Code complexity and quality	Evaluates how well the HTML and CSS code is organized and how efficiently they work together to achieve the desired design. Judges will look for clear, maintainable code that is easy to follow and understand.	10
Code Quality and Readability	Assesses whether the HTML and CSS code is clean, well-organized, and easy to understand. This includes evaluating the use of proper naming conventions for classes and IDs, as well as the inclusion of comments to clarify the code's structure and design choices.	20
Judging and Code Explanation	Assesses the student's ability to clearly explain how each part of the HTML and CSS code works, including the purpose of specific elements, styles, and layout decisions, demonstrating a solid understanding of the overall design.	10
Bonus Implementation	Checks if the student has added extra features or enhancements beyond the basic requirements of the challenge. This could include responsive design, animations, or advanced CSS techniques.	10

Contact Us

🌐 **Technoxian Website**

📷 **Technoxian Instagram**

📞 **+201060747571**