



# Welcome to Week 3 July 12, 2021 Website Development

## REMEMBER!!

Submit ALL of this week's challenges (or screen shots of them) to [experience@iechamilton.ca](mailto:experience@iechamilton.ca) by Sunday, July 25 at noon for your chance to win **1 of 50 \$10 Gift Cards** or the **GRAND PRIZE of up to \$300 towards an online coding &/or technology related activity, camp, course or subscription** (subject to approval).

Web Developers work with programming languages to create websites and web applications. Keep in mind, a Website Developer is not the same as a Website Designer. Designers create the layout for the look and feel of a website making sure it is logical and user-friendly, while Developers take the design and create the code to produce a live, fully-functional website. Front-End Developers use languages like HTML, CSS, and JavaScript to build the visual designs. Back-End developers utilize other languages to set up email services, user authentication, databases, payments and other technical aspects of websites. Full-Stack Developers are able to perform both functions.

A Web Developer will find their career path may have jobs available in both the public and private sectors and is a great option for entrepreneurs and for those who wish to take on contract-based work. Salaries for this field can vary depending on where you choose to work, but you can expect to enter the occupation with a yearly income of \$40,000 - \$50,000. This will only increase over time as skills develop further. Locally, in Hamilton, Web Developers with great skills are in-demand and the prospects continue to look good as Hamilton starts to become a very tech-intense city. COVID-19 has only intensified the need for Website Developers as many companies and organizations are looking to increase their online presence.

There are a few courses and programs at Mohawk College that can help lead you to a web development career path. Take a look at some of their offerings:

[Computer Systems Technology - Software Development - 559](#) - 3 Year Advanced Diploma Program

[Computer Systems Technician - Software Support - 548 - 558](#) - 2 Year Diploma Program

[Web Design & Development—971](#) -1 Year Online Certificate

[Graphic & Web Design](#) - Individual Continuing Education Courses

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### The Challenge!

This week, we're heading to [Web Design with CODE HS](#) to learn about HTML including tags, headers, images, and attributes. Next, Codemoji will give us details about using [CSS](#) to add design elements to webpages.

To be entered to win one of the prizes this week, you will need to complete (and send in screenshots for):

1. [Web Design with CODE HS](#)
2. Make sure to screen shot your final website (Exercise 9)
3. [Intro to CSS](#) lessons
4. Complete all 25 lessons and send screen shot of completion certificate.

### Tips:

- Find our example challenges and projects on the next few pages.
- Remember to read the information provided on the right side of the screen in CODE HS.
- BE CREATIVE!!
- If you are struggling, CODEfest Camp Mentors can help! Email: [experience@iechamilton.ca](mailto:experience@iechamilton.ca) to register or to ask questions.

Send your completed exercises to [experience@iechamilton.ca](mailto:experience@iechamilton.ca).

Make sure you include your full name!

Prize winners will be contacted next week via information provided at registration

If you are interested in exploring HTML & CSS further,  
there are lots of additional resources like:

[People Who Inspire Me](#), [Bake A Cake with HTML](#),  
[5-Minute Website](#), [Intro to Coding](#), and [W3 Schools](#).

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# Week 3 Challenge

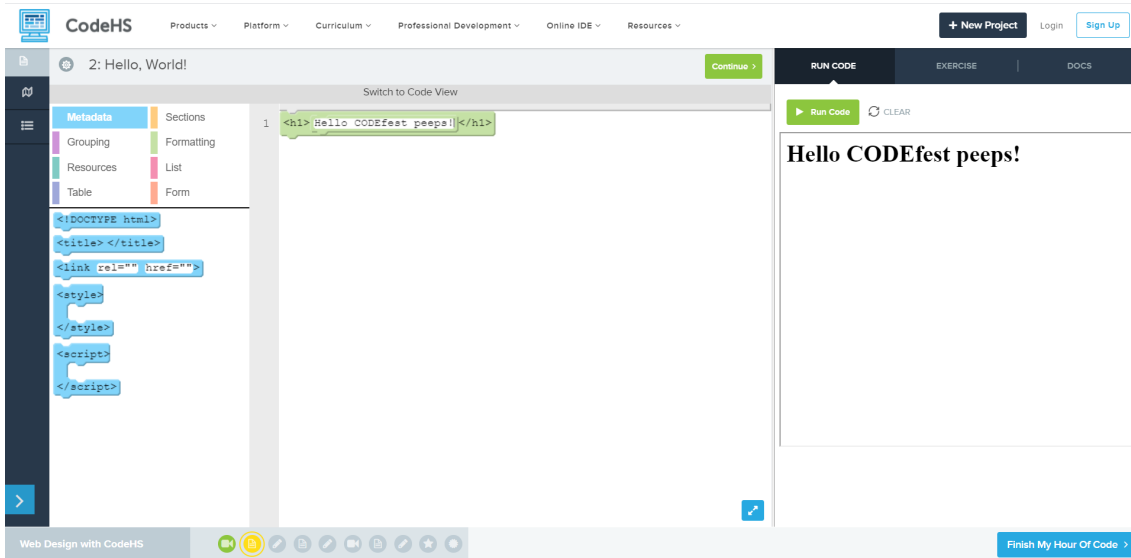
## July 12, 2021

### Website Development

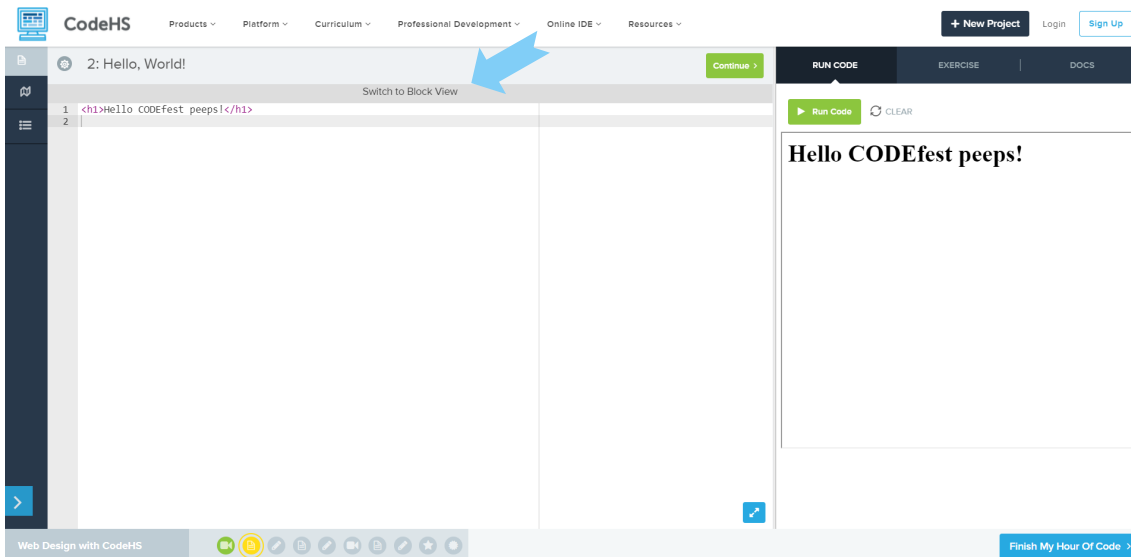
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#### Web Design with CODE HS



#### - Try using "Code View"!



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#### Web Design with CODE HS Continued

#### Make a Website!

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Virtual  
2021

CODEfest  
College Pathways  
to Digital Careers

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### Web Design with CODE HS Continued

Web Design #HourOfCode Badge

Congratulations! You've earned the Web Design #HourOfCode Badge.

Congratulations on finishing your Hour of Code!

Share Tweet Print

Print Your Certificate!

Complete Another Hour Of Code

### CSS Lessons

codemoji.com/lessons/css/expert/25.php

CODEMOJI™ Sign Up Login

Lesson 25: Hover and Focus

after completing the

Congratulations!

You have completed all of the Expert CSS Lessons.

Dashboard Playground

```
1. input{
2.   border: 3px solid black;
3. }
4. input:hover{
5.   border: 3px solid blue;
6. }
7. input:focus{
8.   border: 3px solid red;
9. }
```

Lesson 25 complete!

Next Lesson

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