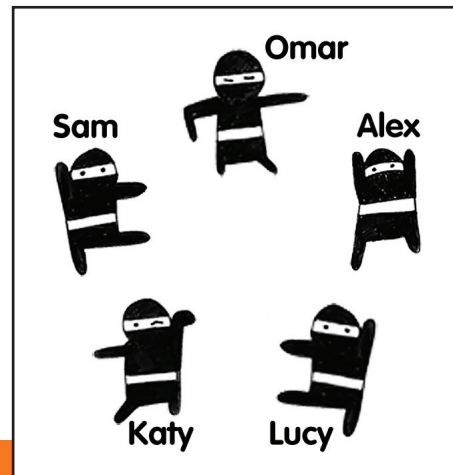


HOW HTML
WORKSBUILDING BASIC
WEBPAGESMAKING YOUR
FIRST WEBSITESTYLING
WEBPAGESSTYLING AND
FORMATTING TEXTPOSITIONING
ELEMENTS USING CSSDESIGN & BUILD
YOUR OWN WEBSITETrack your progress
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Introduction: This project will build on your knowledge of **CSS-fu**.

Five ninjas arrive in town and need to hide before anyone notices them. Using your own ninja-like **CSS skills** to get them into a safe spot. You can move the ninjas themselves, and some of the objects in the street too. Quick! There is no time!



Step 1: Meet the ninjas

1. Open up the file called '**ninjas.html**' in the **code editor**. Open it up in the browser as well. ☐
2. Read through the code. Can you guess which parts correspond to what objects in the street? Notice that we are using **two** languages: **HTML** to add all elements to the page, and **CSS** placed between the '**style**' tags. ☐
3. The elements we will be playing with are the **images** (**** tags). We can control their **position** using **CSS**. ☐

****Let's move a ninja****

4. Each one of the ninjas is named using the **id** attribute. Let's move Alex The Ninja first. Find Alex's corresponding **CSS rule**. ☐
5. Change the value of '**left**' to **100px** and '**top**' to **320px**. (TO DO: change to place behind an object) ☐

When '**position**' property is set to **absolute** it means we will be describing the position in relation to ninja's parent element - in this case the **<div>** with **id 'street_corner'**. **px** means '**pixel**'. '**left**' describes how far to move the ninja from the **left edge** (by how many pixels), and '**top**' tells the browser how far to move it down from the **top edge**.

6. Change **left** to '**right**' and **top** to '**bottom**'. Now your code tells the browser to put the ninja **100px to the left of the right edge**, and **320px up from the bottom edge**. **Pixels** describe the smallest physical point your monitor can display. They are often used to describe the screen dimensions. ☐

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☐

Step 2: Let's try to describe it differently

Now you know how to use **pixel positioning**. This isn't the only way we can describe the positions on the screen, so let's look at some other options we have.

1. Find the **'wheelie_bin'** element in the **CSS**. **100%** describes the **full width** of the available screen space. As we are positioning ninjas and other object in relation to the **'street_corner'**, which is **600 pixels** wide, in our case **100% will equal 600px**. If we were to draw a bigger street corner, for example **800px** wide, then **100% would mean 800px**. Depending on context, sizes described in percentages will have different meanings.

☐

Step 3: One more unit type

As if we didn't already have enough unit types, we will try another one! You know how to use pixels and percentages, so now let's try **ems**.

'Em' is a measurement type borrowed from the field of typography, which concerns itself with the appearance of letters and text. One **em** is equal to the **current** font size. Notice that at the top of the **CSS** we set **font-size** on the **body** element to **20px**, so one **em** will appear as **20 pixels**.

1. Find the **'bicycle'** in the **CSS**. Apart from the **'em'** bit it should be familiar to you. See if you can move the **bicycle** to hide Sam The Ninja.
2. We've mentioned that the size of the **em** is based on the font size. To see it in practice, find **'body'** in the **CSS**. Change the **font-size** value to **30px**. What happened?

☐☐

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Because now each **em** is **30 pixels wide** and **30 pixels tall** all elements using this measurement have shifted their position!

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Step 4: Quick, hide the ninjas!

Now that you know how to **move** the elements on the screen it's time to help the ninjas. Use different ways of **describing** their position. Remember, you can also move some of the **objects**. Which unit do you feel most comfortable using? Find the best way to provide the best hiding. Good luck!

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Things to try

- A). Can you figure out how to make ninjas appear **in front** of some of the street objects? What would happen if you copied the ```` tag for the **ninja** after the ```` tag that displays the **object**? ☐
- B). Can you add some more objects to the scene? You could add images from your computer or ones you find on the internet. ☐