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Build an Arcade Game With Vanilla JavaScript

Create a simple arcade game with DOM manipulation

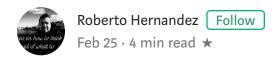




Photo by Carl Raw on Unsplash

Today's a special day for those who just are starting out in the

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Despite this post being for beginners and newbies, it doesn't mean that more experienced developers won't find it useful too.

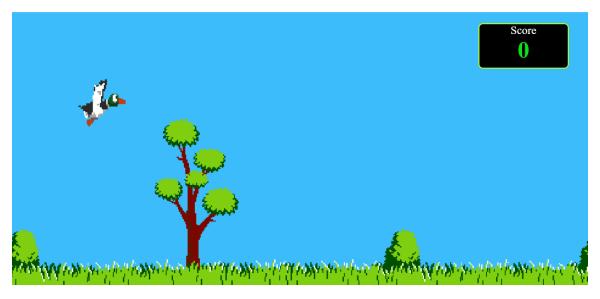
. . .

What We Will Cover

- The basics of CSS and JavaScript.
- The basic of Flexbox, the CSS3 web layout model.
- Dynamically manipulate the DOM using JavaScript.
- A walkthrough.

. . .

The Challenge



Arcade game with vanilla JavaScript

The arcade game has the following requirements:

- It uses an image as a background and has a clickable duck image.
- When the user clicks on the duck two things happen: 1. The current score is increased by one and 2. The duck moves to a random position.
- It should be build using ES6 specification features.

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1. Layout

Our layout (index.html) will have a div as a container and then both images the background and the duck. Finally, a scoreContainer element with the score text and the score (a counter).

Styles

```
/*Make any img element responsive*/
img {
  max-width: 100%;
}

/*Set a fixed size for width and height and in an
absolute position*/
#duck {
```

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2. JavaScript

2.1 Create the event listener

Now, we are going to create an event listener on our duck image. When a user clicks on the duck image it will fire a function.

```
//Get the target element
const duck = document.querySelector("#duck");

//Add the click event listener
duck.addEventListener("click", () => {
    //Dont forget call the functions here
    increaseScore();
    moveDuck();
});
```

2.2 Create a function to increase the current score

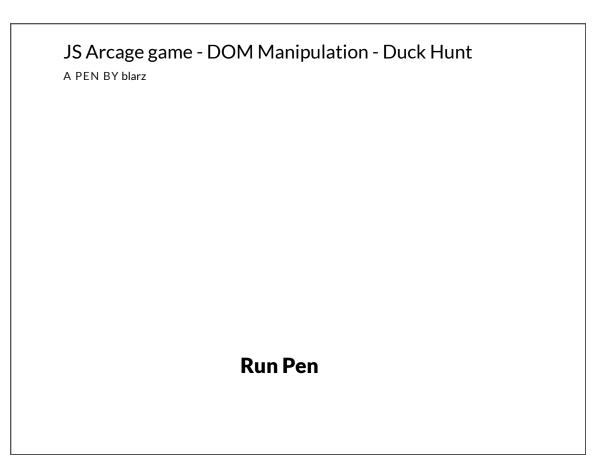
We just created the event listener. Now, we're going to create a function that will increase the counter, our score, by one.

```
//Increase score by 1
const increaseScore = () => {
   //Get the content of the target element. The current
value for score
```

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The Completed Program



Arcade Game — DOM Manipulation

Thanks for reading! I hope this post was helpful to you.

Thanks to Zack Shapiro.

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