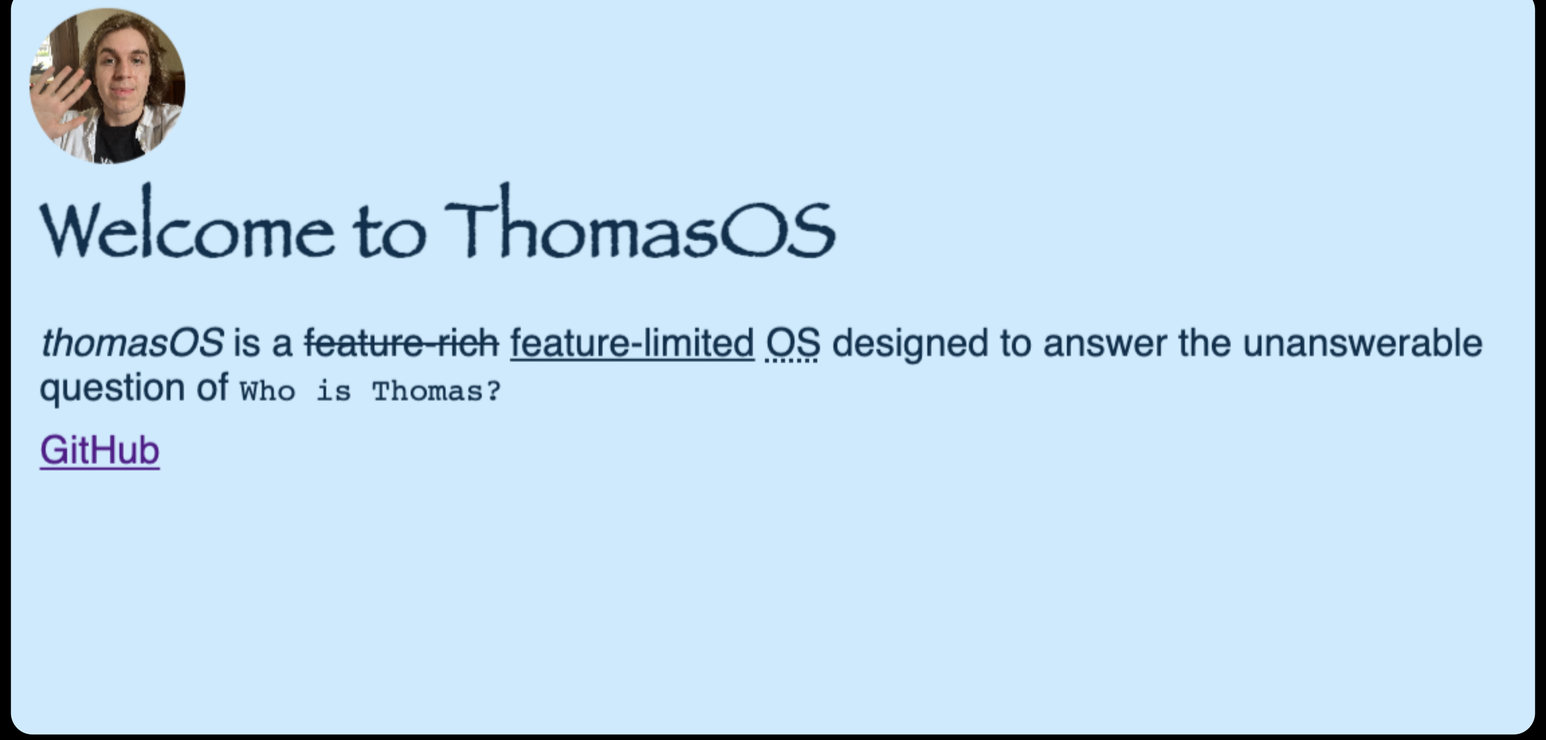
Create Your Own Web
Operating System (OS)
HackBook Pro

Tap Laptop for Live Demo

HackBook Pro

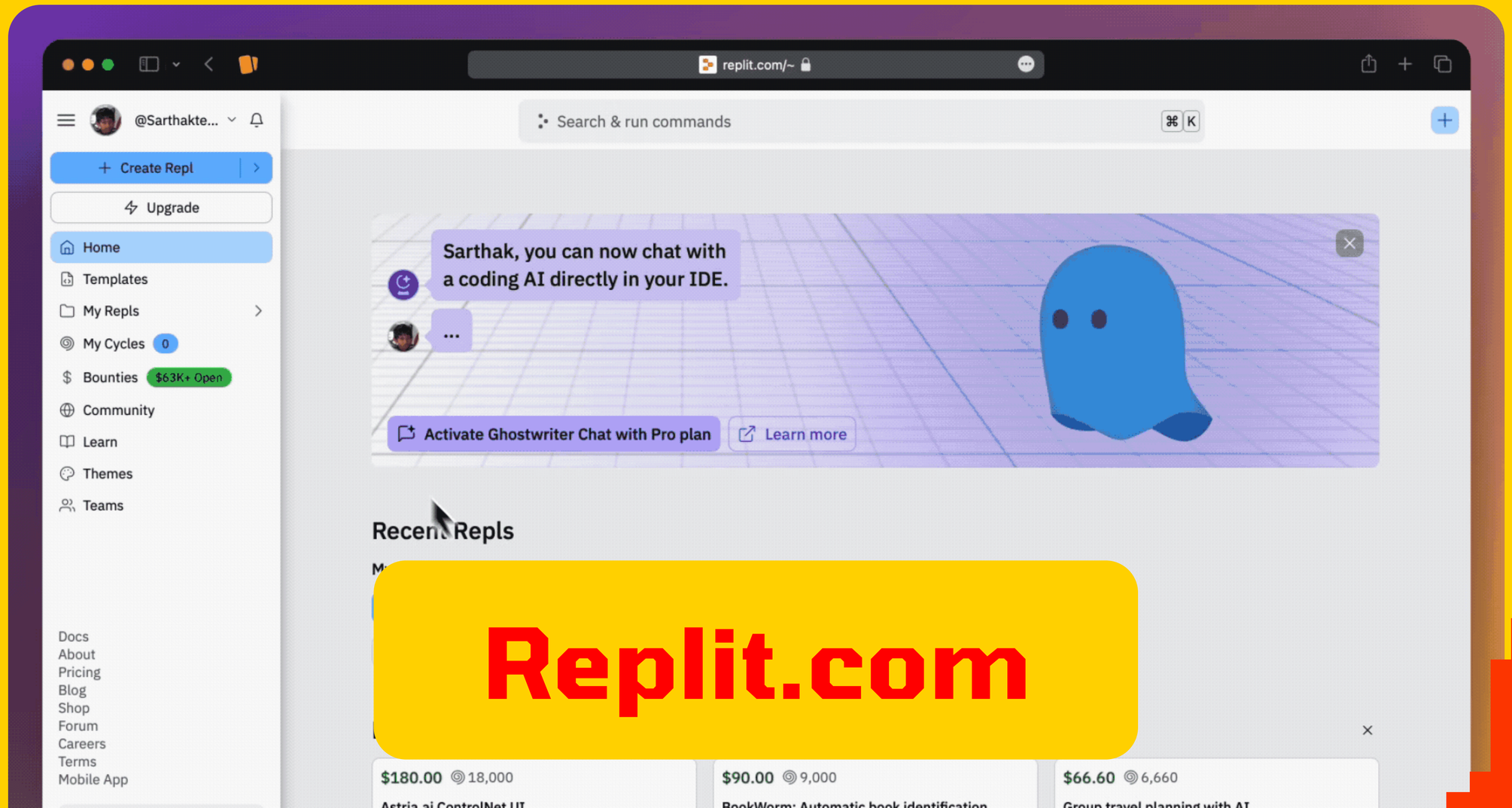
Build Your Own personalOS (that's all about you!)

Part I: Welcome Screen



(what you'll be starting with today)

Step 1: Fire up Replit



Step 2: DELETE BOILERPLATE

index.html

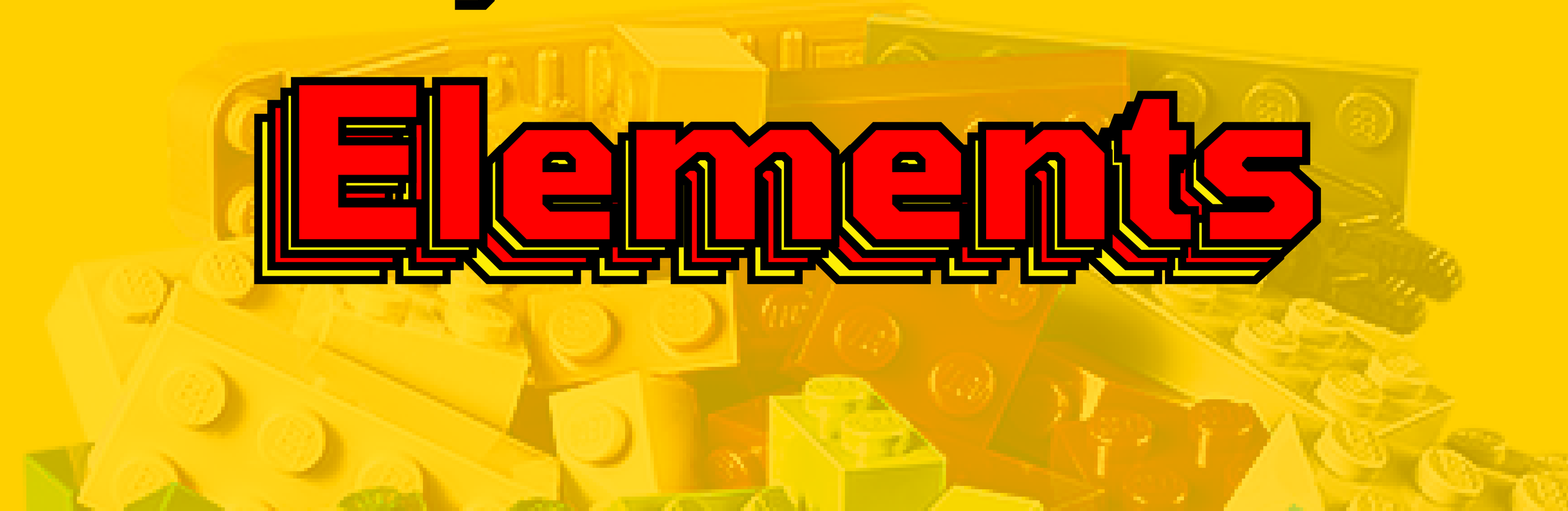
index.html

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>replit</title>
  <link href="style.css" rel="stylesheet" type="text/css" />
</head>

<body>
  Hello world
  <script src="script.js"></script>

  <!--
  This script places a badge on your repl's full-browser view back to your repl's cover
  page. Try various colors for the theme: dark, light, red, orange, yellow, lime, green,
  teal, blue, blurple, magenta, pink!
  -->
  <script src="https://replit.com/public/js/replit-badge-v2.js" theme="dark" position="bottom-right"></script>
</body>
```

Step 3: Setup File

```
<!DOCTYPE html>

<html>


        <body>


        </body>


</html>
```

Let's Start Building w/ the Lego Blocks of the Web...



What's an Element?

Sample Website

Let's Pick out Elements

What's an Element?

What's an Element?

What's an Element?

What's an Element?

Discover the joy of code, together.

Every day, thousands of Hack Clubbers gather online and in-person to make things with code. Whether you're a beginner programmer or have years of experience, there's a place for you at Hack Club. Read about our hacker ethic.

Many Elements Come Together to Form a Website

An Element Looks Like:

 Hello World

An Element Looks Like:

 Hello World

Opening Tag

An Element Looks Like:

 Hello World

Content

An Element Looks Like:

 Hello World

Closing Tag

An Element Looks Like:

 Hello World

Opening Tag

Step 4:

Let's Make Our First Element(s)

Inside the Body of Our Site (where content lives)

```
<body>

  <p>Hello world!</p>

</body>
```

```
<body>
    <h1>Welcome to my OS</h1>
    <p>Hello world!</p>
</body>
```

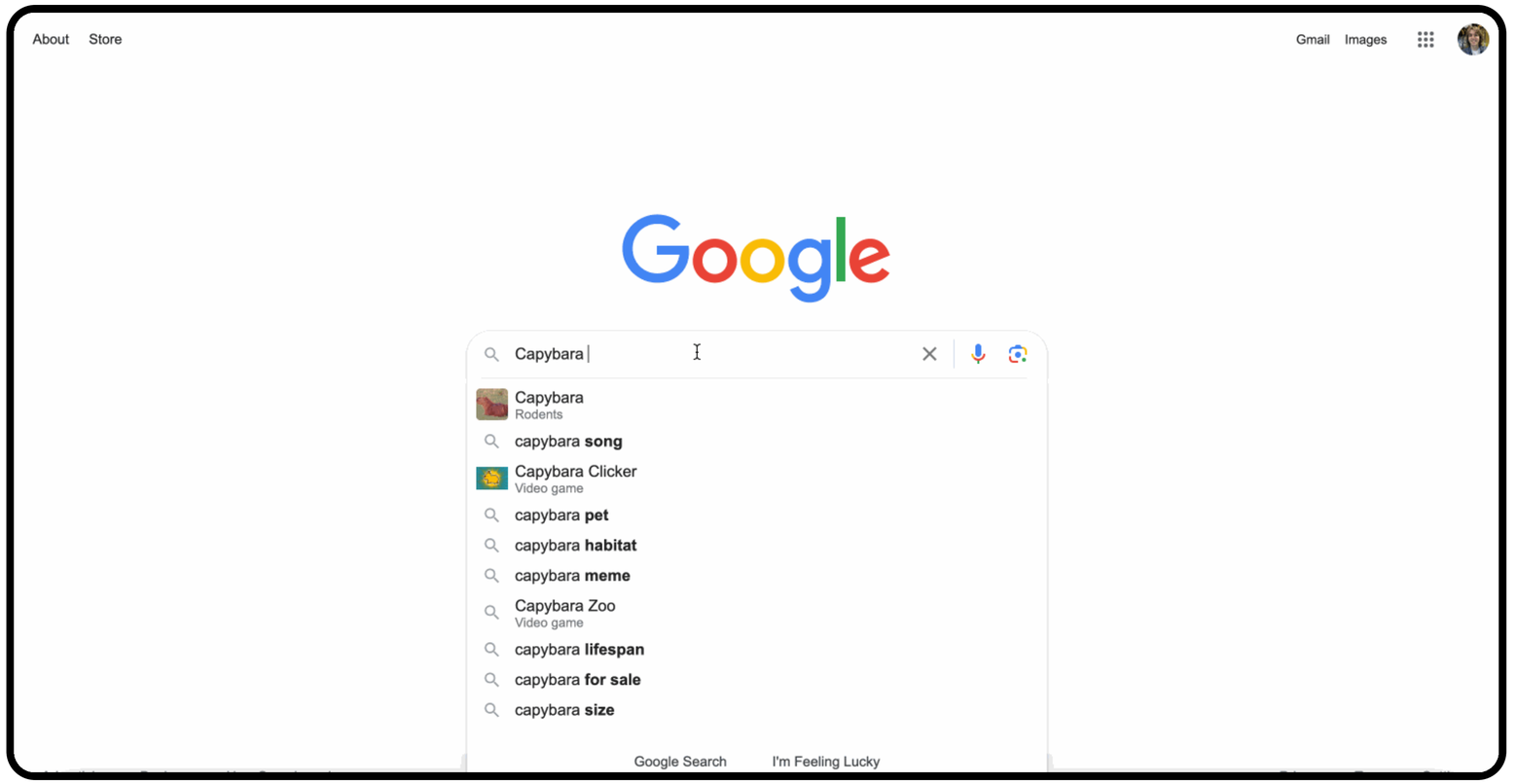
```
<body>
    <h1>Welcome to my OS</h1>
    <p>Hello world!</p>
</body>
```

```
<body>

    <h1>Welcome to my OS</h1>

    <h2>Introduction</h2>

    <p>Hello world!</p>

</body>
```

Step 5:

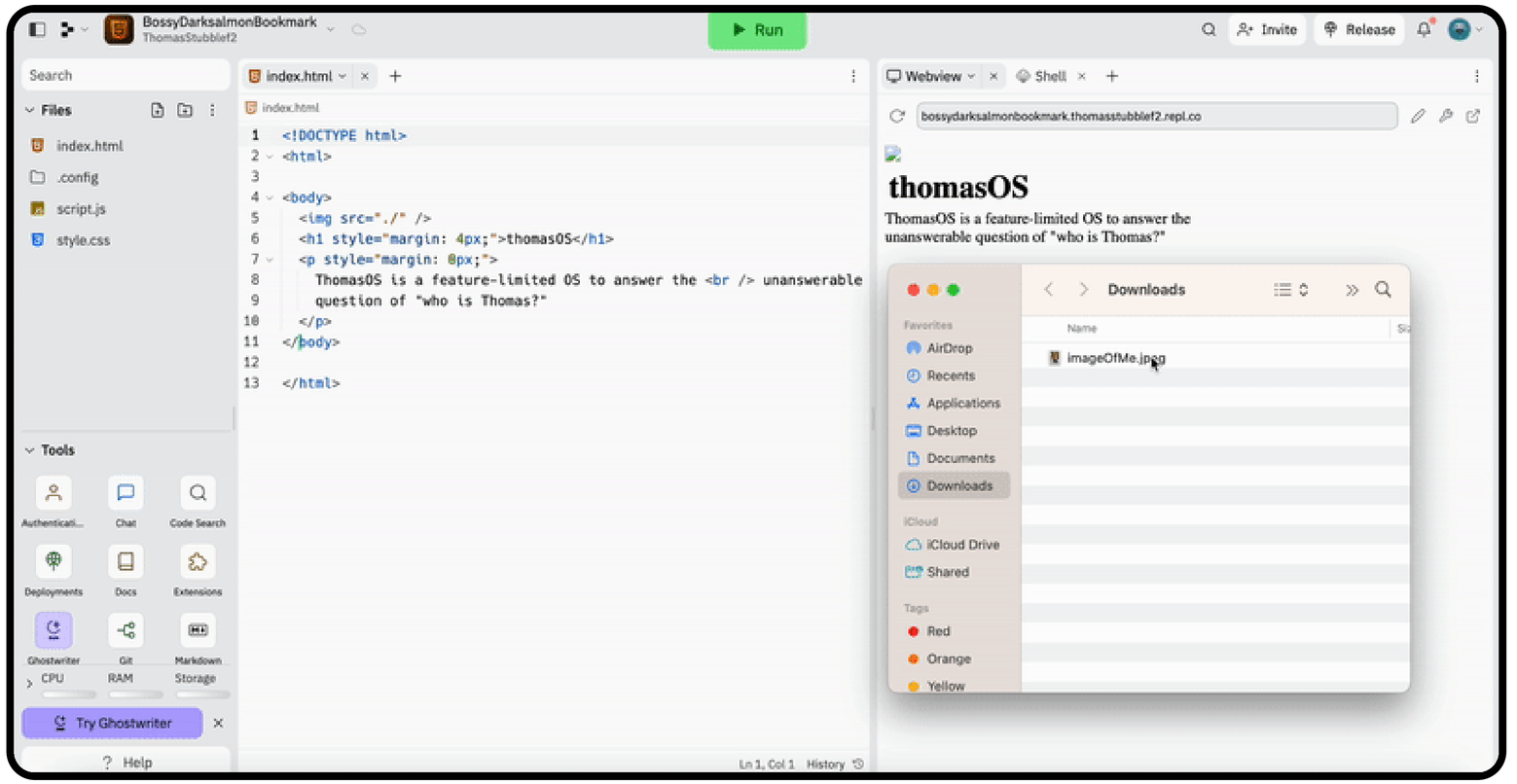
Let's Add Our Own Image

Let's Add Our Own Image



FIND AN IMAGE (.png, .jpeg, etc)

Let's Add Our Own Image



DRAG INTO REPLIT

Let's Add Our Own Image

```
<body>

  <h1>Welcome to my OS</h1>

  <h2>Introduction</h2>

  <p>Hello world!</p>

  <img src="./nameOfImage.jpeg" />

</body>
```

CREATE IMAGE ELEMENT

Boom Great!
We have an
image now!

Webview | Shell

bossydarksalmonbookmark.thomasstubblef2.repl.co

Welcome to my OS

Introduction

Hello world!

Step 6:

Link to Other Sites

```
<body>

  (rest of your content)

  <a href="https://example.com/">label</a>

</body>
```

Step 7:

Personalize Site

Change the content of the site to be personally relevant to you

Find Some Cool Tags on the W3 Tags Site and Add Them To Your Site

here are some tags we really like:

- **<s>Strike Through</s>**
- ** break the </br> line like this **
- ** use strong to bold text **
- ** <dfn>DFN Tag</dfn> is a tag that marks something being defined **
- ** <abbr title="abbreviation">abbr</abbr> is a tag that marks an abbreviated term **

Let's Start

STYLING

What's a style?

What's a style?

A style is a property-value pair that changes the way an element looks.

What's a style?

A style is a property-value pair that changes the way an element looks.

example:

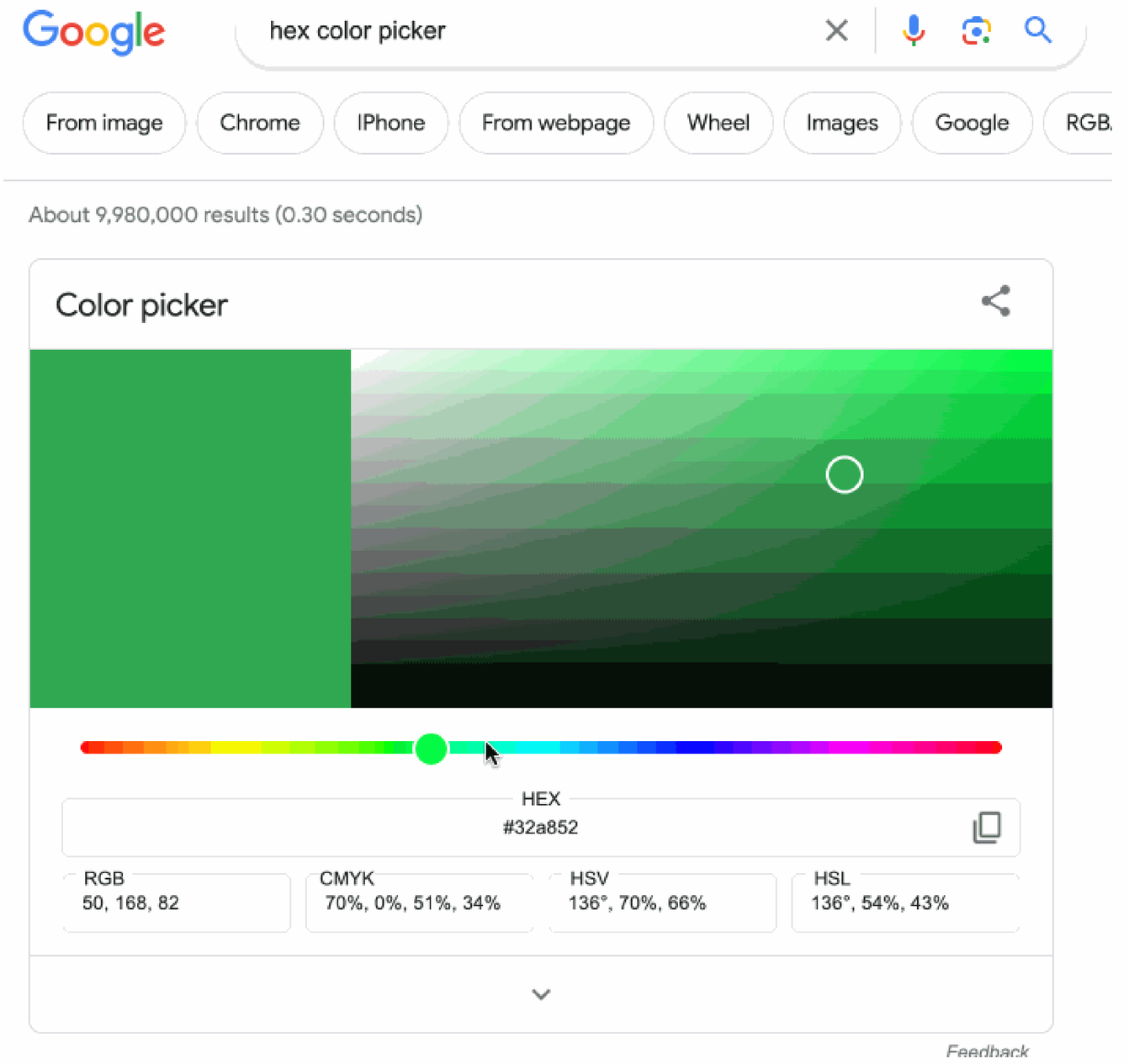
```
<tag style="property: value"> content </tag>
```

Write Your First Style

```
<body style="background-color: #c9ffcf">

        // your content//

</body>
```

Add a Background Color

Customize Hex Code



Customize Image Size

(whatever size you like)

Is your image crunched?

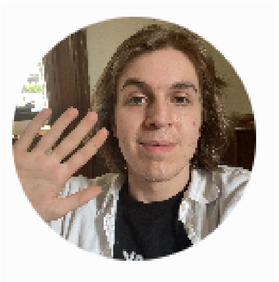
Try Googling a Solution

Couldn’t find it? Here you go:

```
<img style="width: 64px; height: 64px; object-fit: cover;" src="URL" />
```

Customize Roundness

```
<img style="width: 64px; height: 64px; object-fit: cover; border-radius: 32px;" src="URL" />
```



cool!

customize font

customize font

customize font

customize font

font-size: 16px

(or whatever size you want)

Head over to W3

Library of browser-built-in fonts

font-family: Helvetica, Noto Sans, sans-serif

(or whatever font(s) you want)

(browser will use the first font in the list that is available)

Customize Spacing

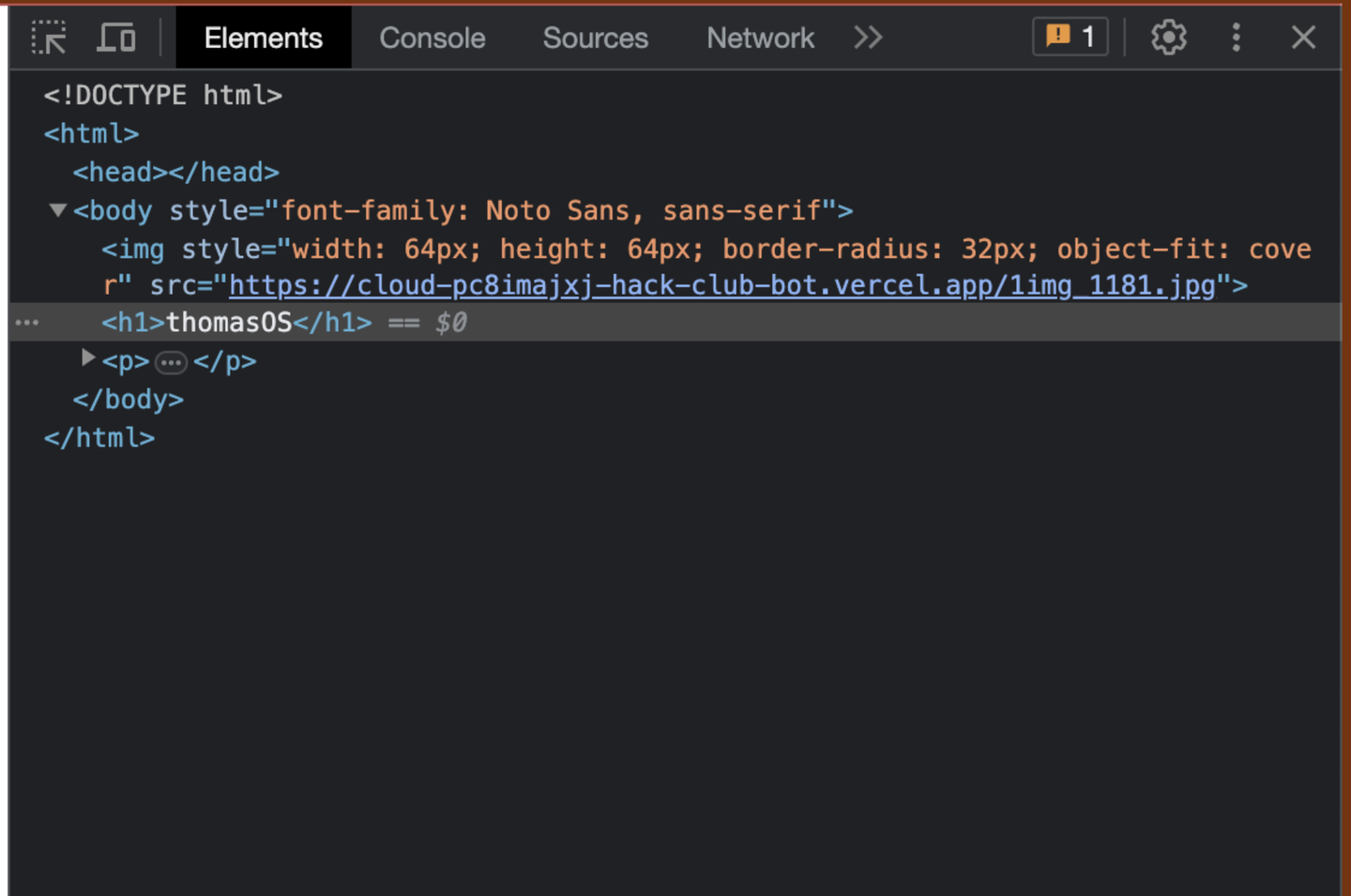
Margin = Space Between

Padding = Space Within

Let's Change Our Margin

thomasOS

ThomasOS is a feature-limited OS to answer the
unanswerable question of `"who is Thomas?"`



You Could Add Some Padding to the H1:

```
<h1 style="padding: 4px;
background-color: #000;
color: #fff">Content</h1>
```

Or Change Your Margin

```
<h1 style="margin: 0px;">
Content </h1>
```

index.html

```
<!DOCTYPE html>
<html>

<body style="font-family: Noto Sans, sans-serif">
  <img style="width: 64px; height: 64px; border-radius: 32px; object-fit: cover"
    src="https://cloud-pc8imajxj-hack-club-bot.vercel.app/1img_1181.jpg" />
  <h1 style="margin: 4px;">thomasOS</h1>
  <p style="margin: 0px;">
    <dfn>ThomasOS</dfn> is a feature-limited <abbr title="Operating System">OS</abbr> to answer the <br /> unanswerable
    question of <code>"who is Thomas?"</code>
  </p>
</body>

</html>
```

Ln 14, Col 8 History

Webview Shell

bossydarksalmonbookmark.thomasstubblef2.repl.co

thomasOS

ThomasOS is a feature-limited OS to answer the unanswerable question of `"who is Thomas?"`

We're Done For Part 1!
Thanks for Coming!