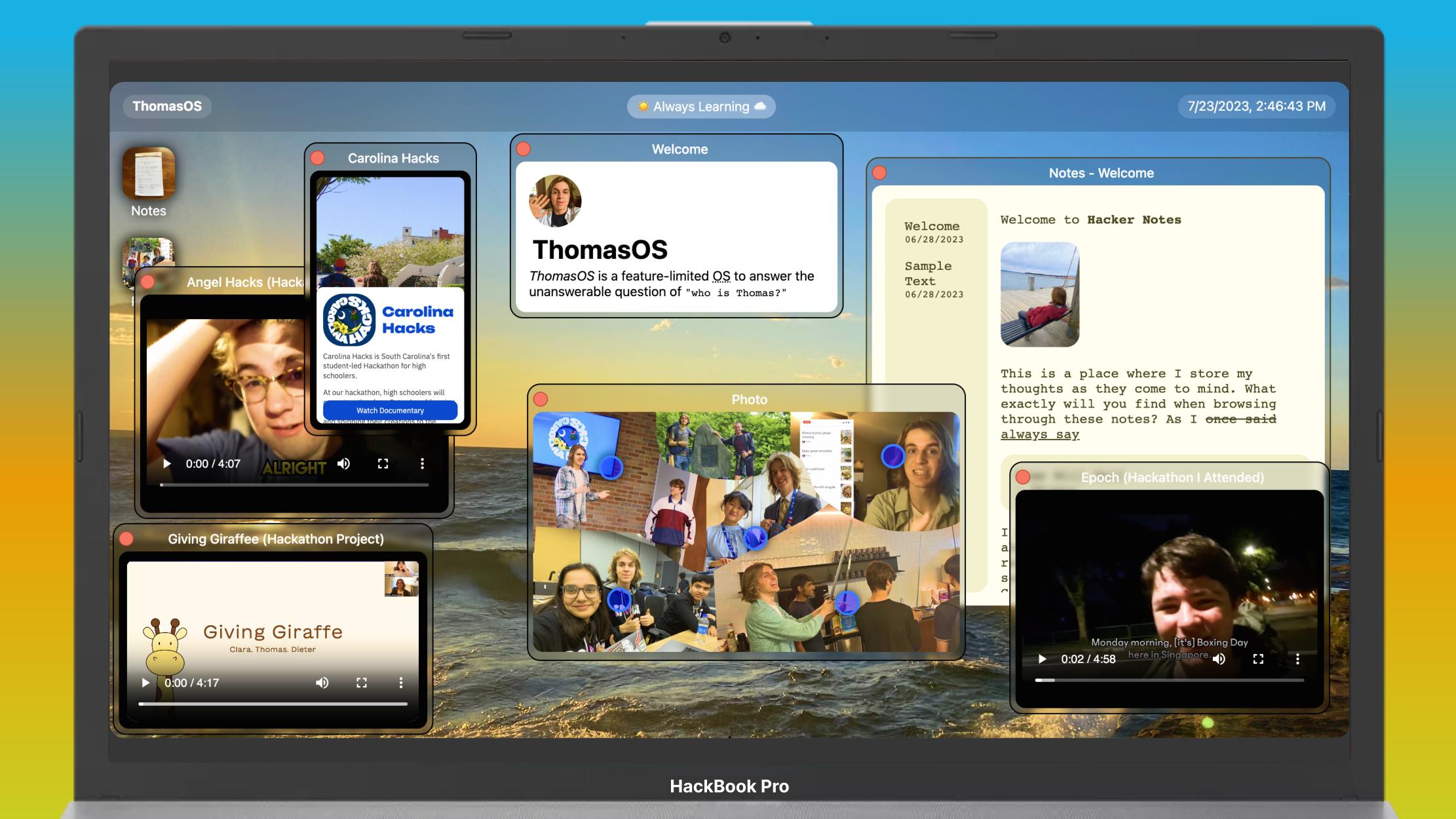


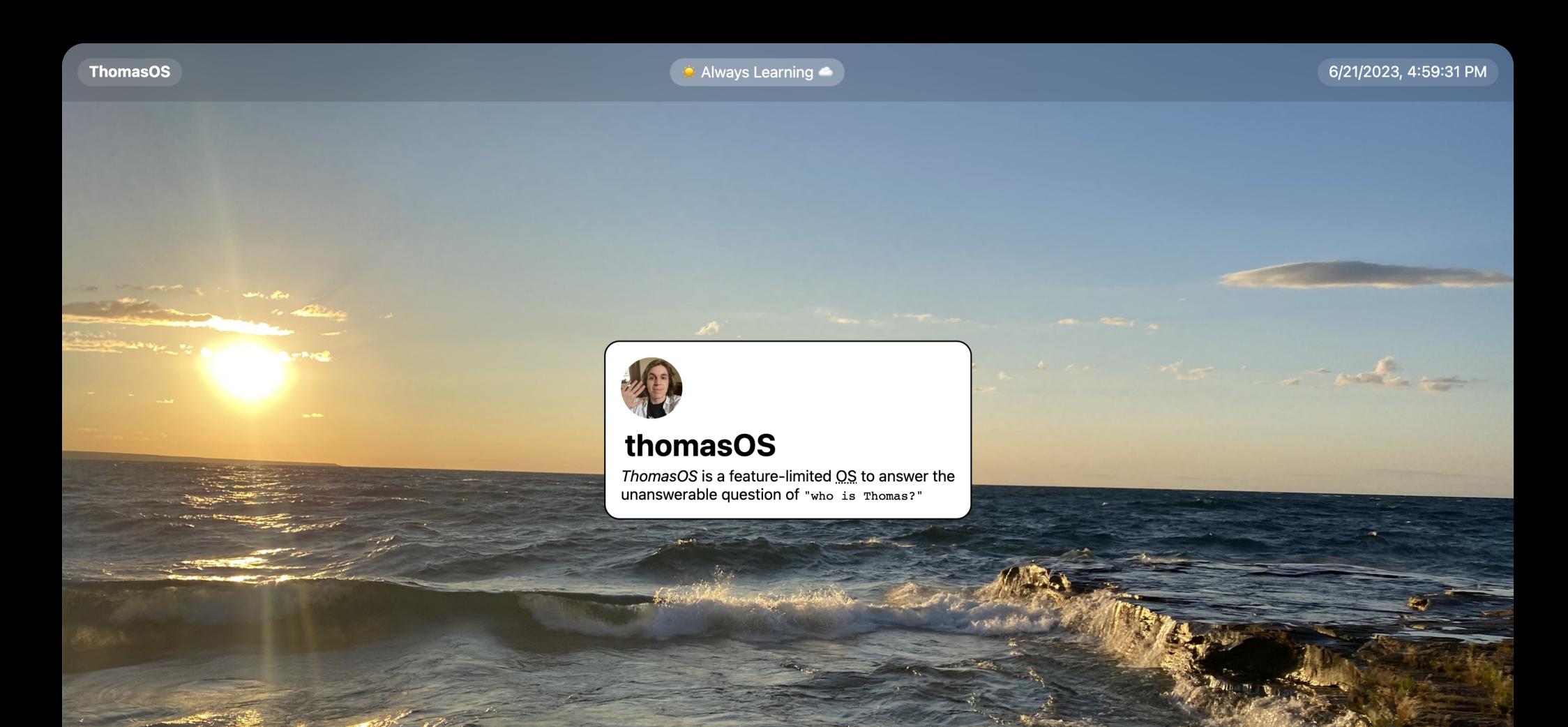
Tap Laptop for Live Demo



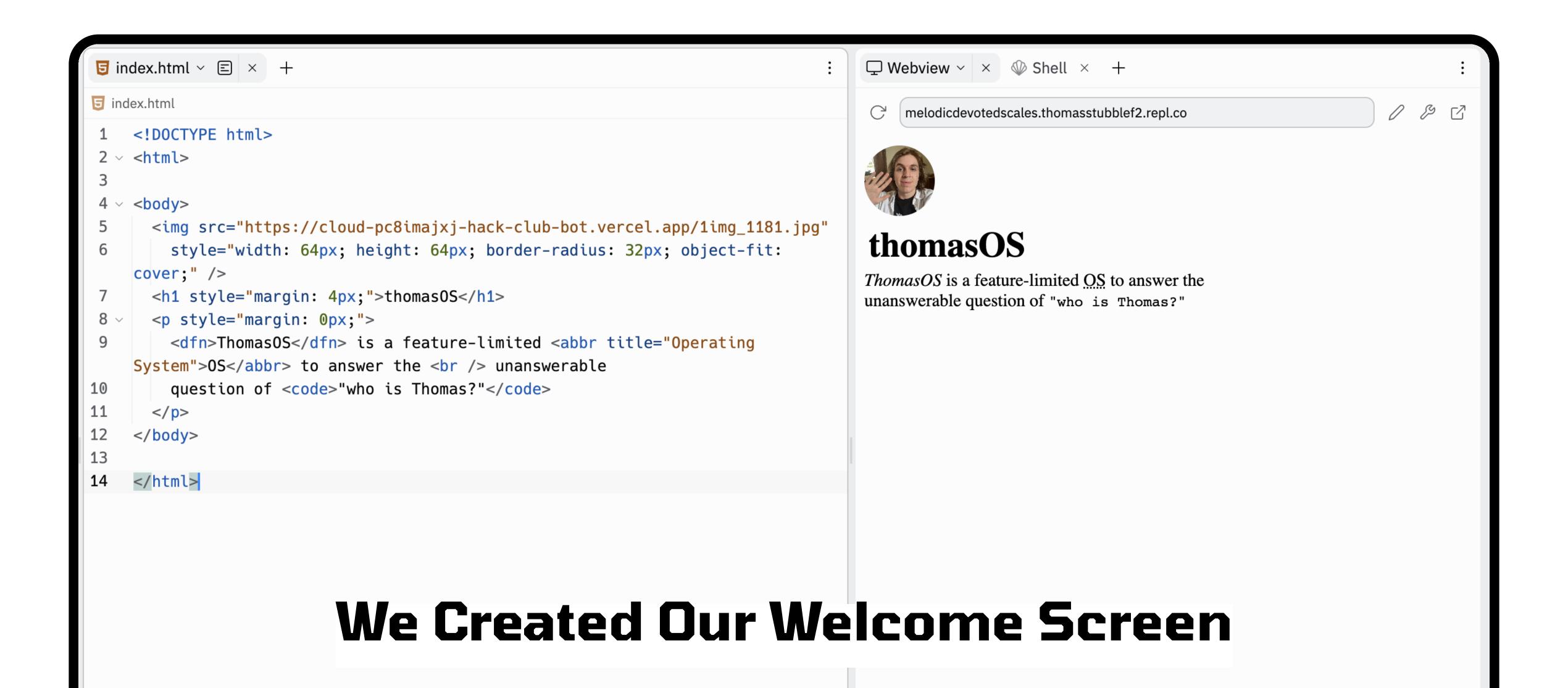
Build Your Own personalOS (that's all about you!)

Today We're Going To Be...

Making The Desktop!



Where we left off:



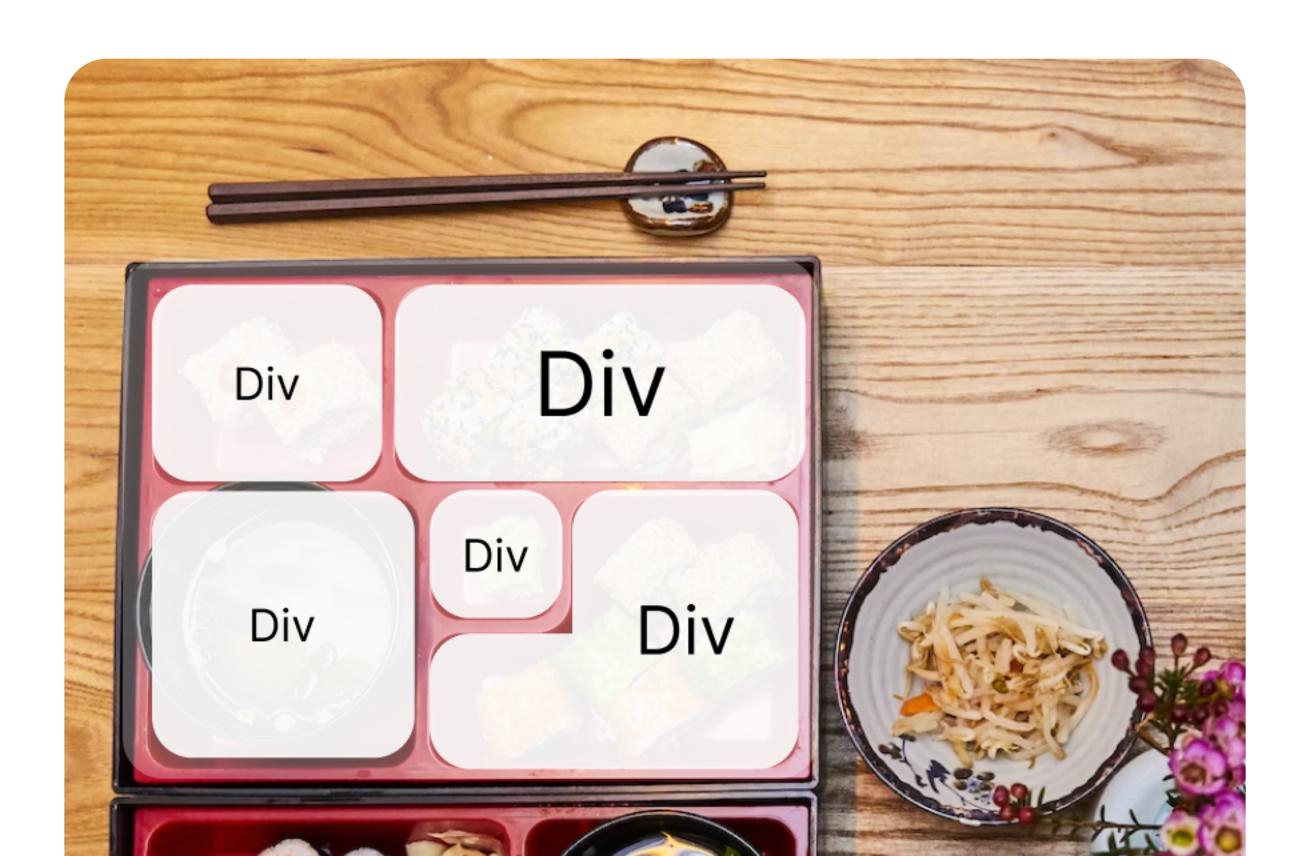
We need to turn our welcome screen into a "window"

We can do that using a...



Divs are beloved by all Hackers.

We refer to groupings/boxes as divs. You can create divs inside of divs if, for example:



The Div Can Be Used to Define Where Our Windows Begins and Where it Ends

Create a Div!

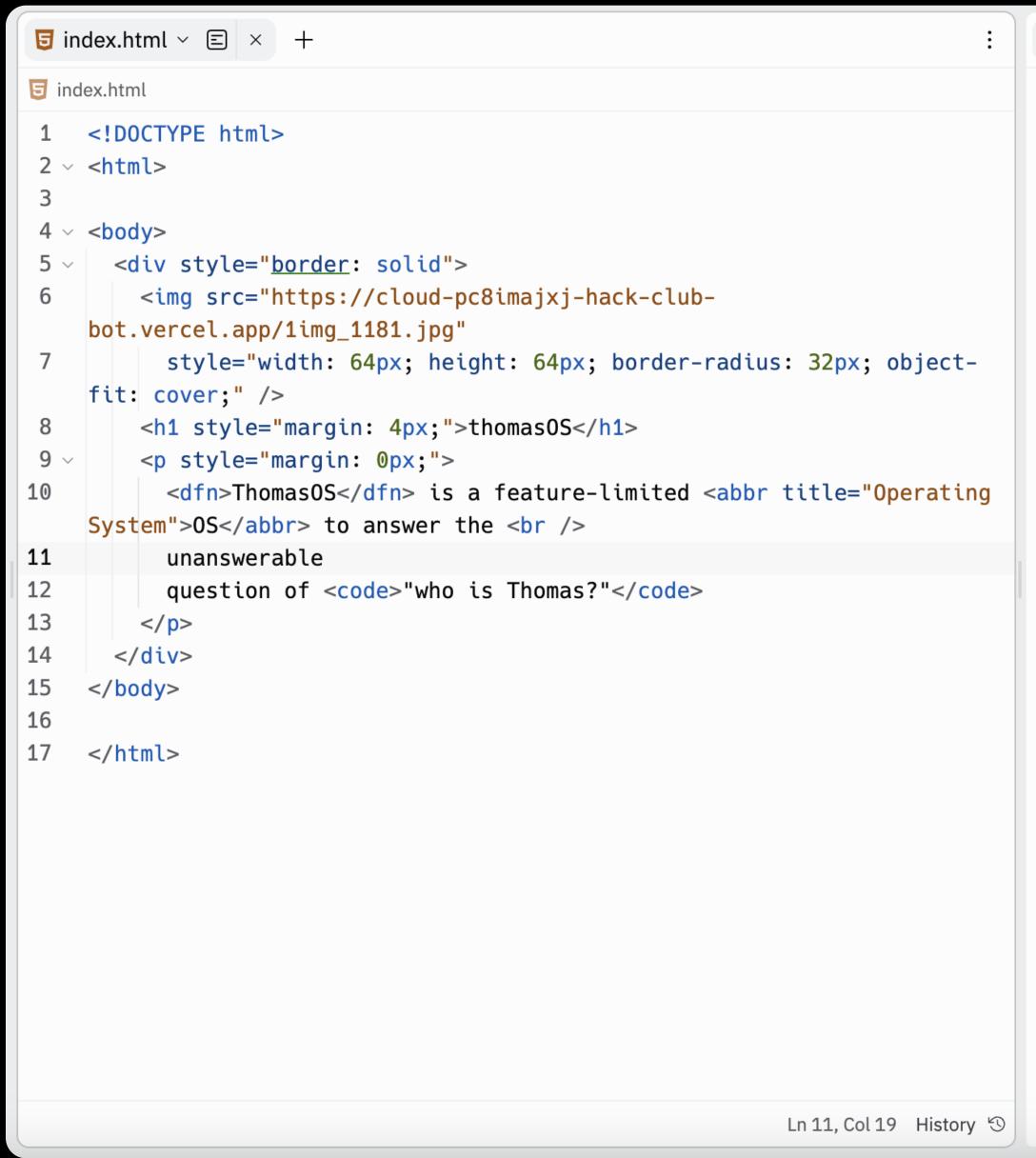
```
<body>
        <div>
                 (the content of your site)
        </div>
</body>
```

(this groups your content)

Outline Your Window

```
<div style="border: solid;">
          (content)
</div>
```

(this makes it obvious where your window begins & where it ends)



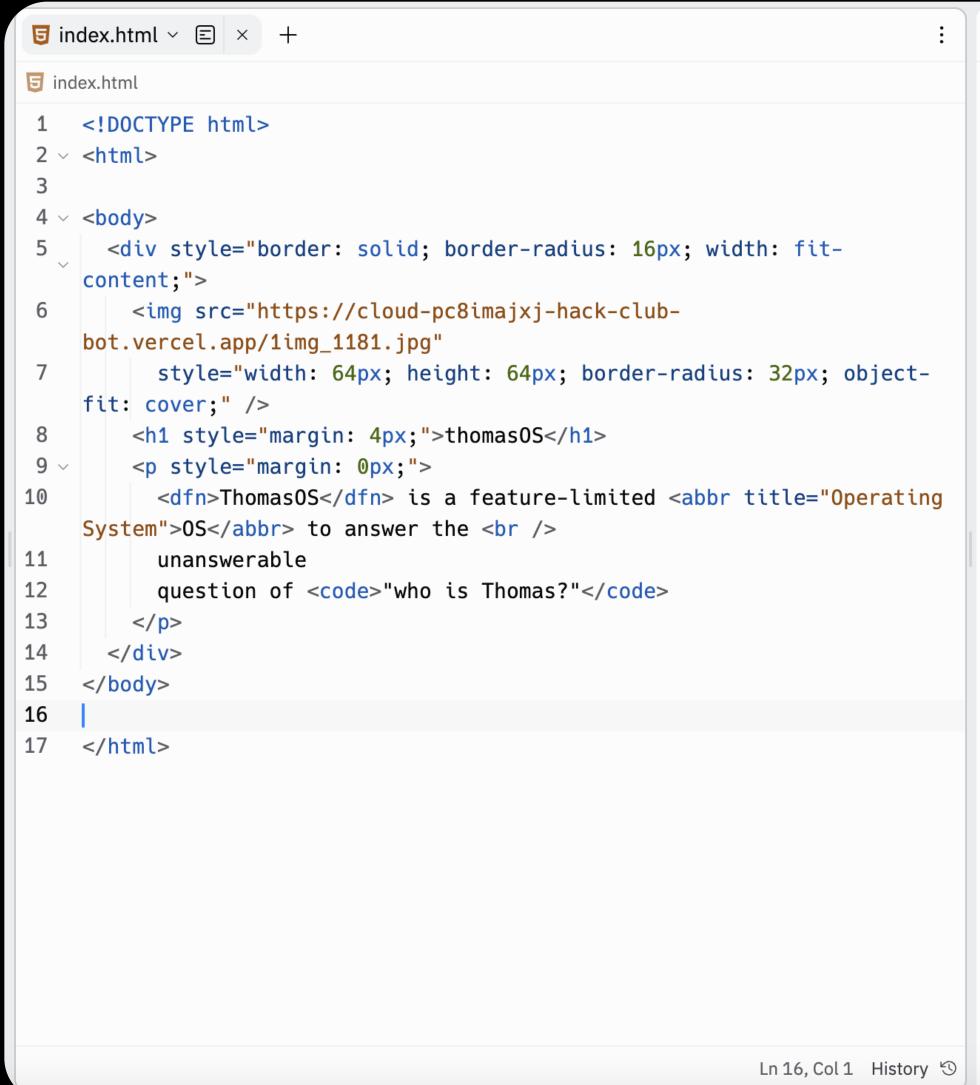


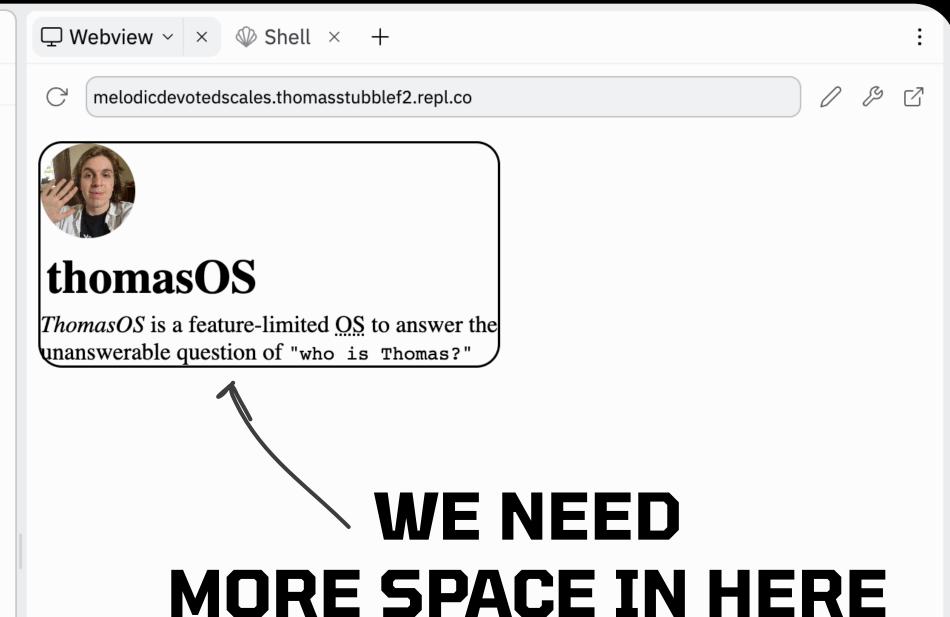
thomasOS

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

Provide a Width

(you can also add a border-radius if you want rounded corners)







We Should Add Some

(fill in the blank)

We Should Add Some PADDING!

Ah... that feels much better! So much more space

Great. We now have our window.

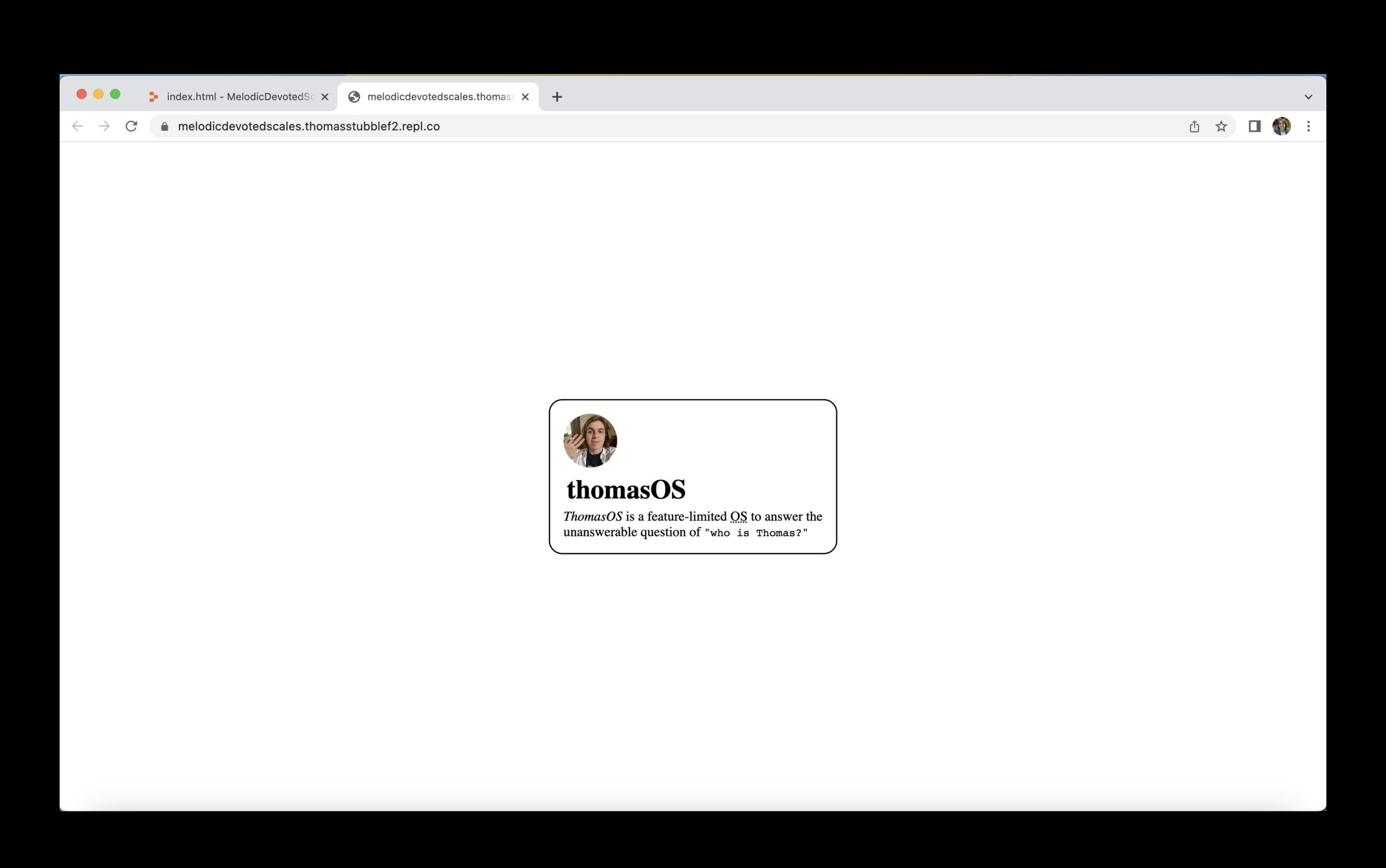
Let's Place it On Top Of Our Desktop

Let's use Position Absolute



Let's Center It

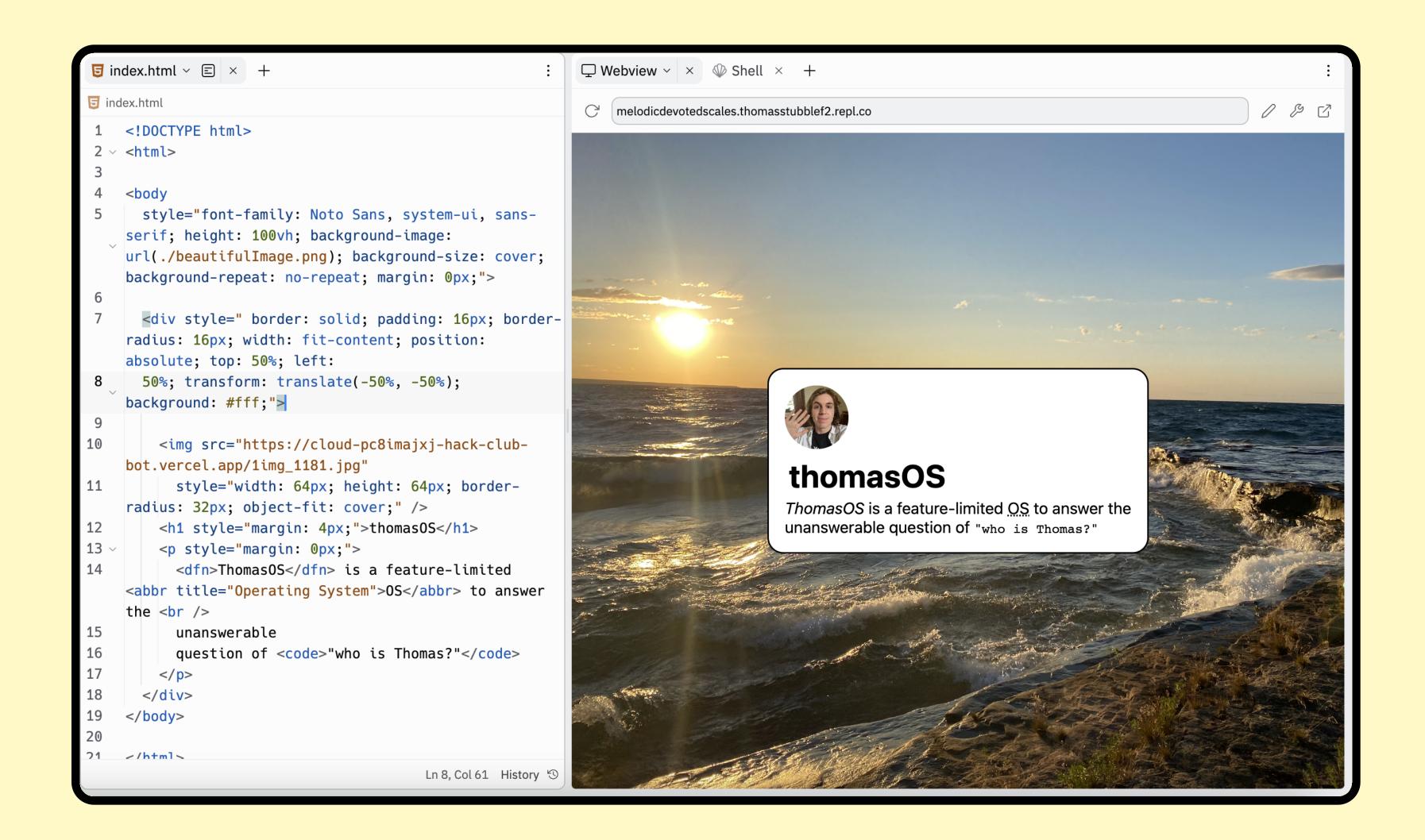
(the Transform allows us to position around the center instead of the top right)



Add Background Image

- 1. Find your image (I'll be using a photo I took in Michigan)
- 2. Drag it into Replit (the file manager)
- 3. On your body tag as the style property of background-image: url(./ NAME_OF_YOUR_IMAGE.png)
- 4. Adding background-size: cover; to the body to make the size of the image fit the screen.
- 5. If your image still isn't quite fitting, add height: 100vh as a property to your body. This will make the height of the background 100% of the vertical height of your browser.

Beautiful!



Let's Make a Top Bar for our OS

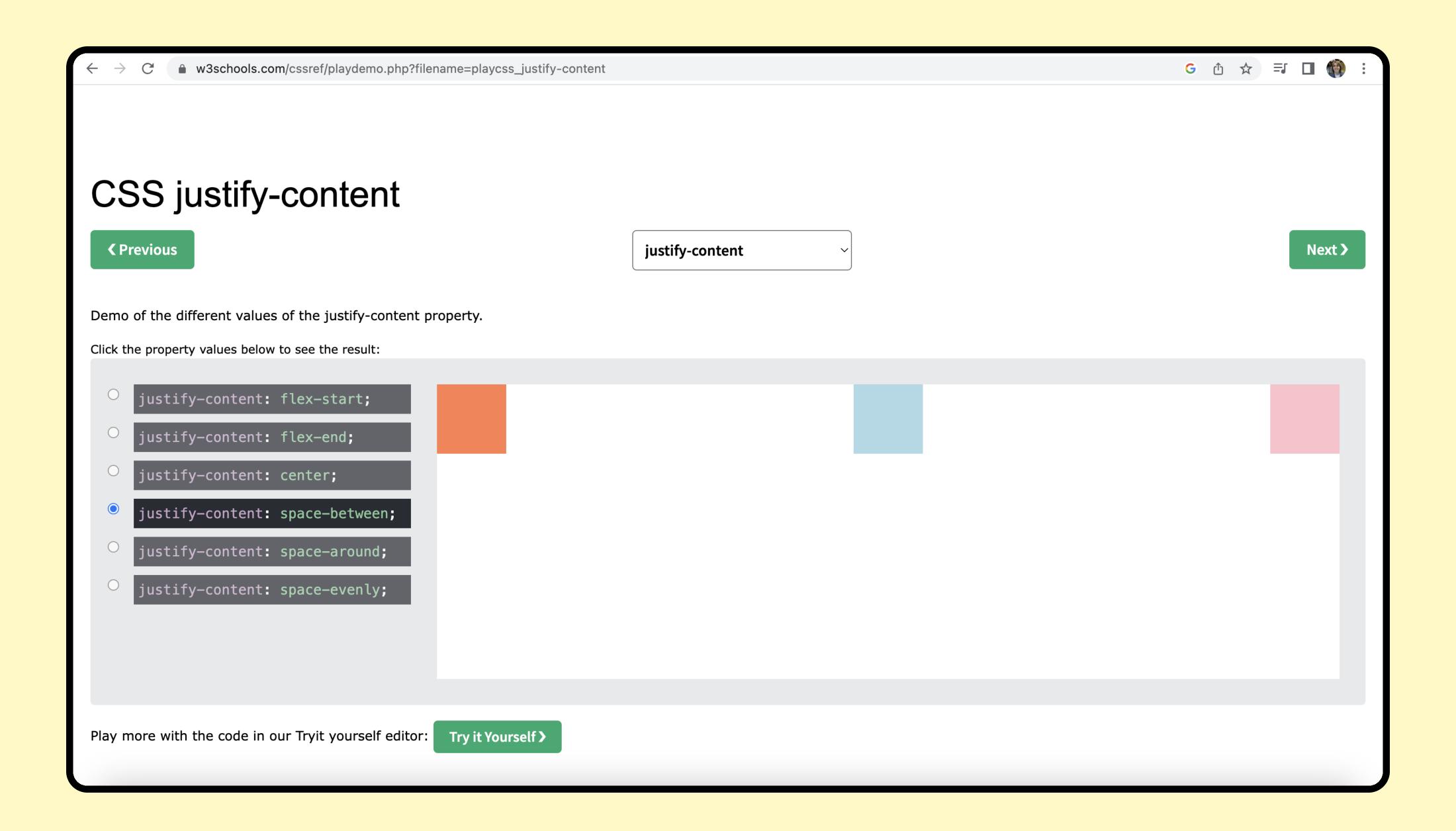
<div>

Create a new Div Inside Your Body

Align Items Horizontally

```
<div style="display: flex;">
       >
              ThomasOS
       >
              6/21/2023 3:41 PM
</div>
```

Customize Spacing



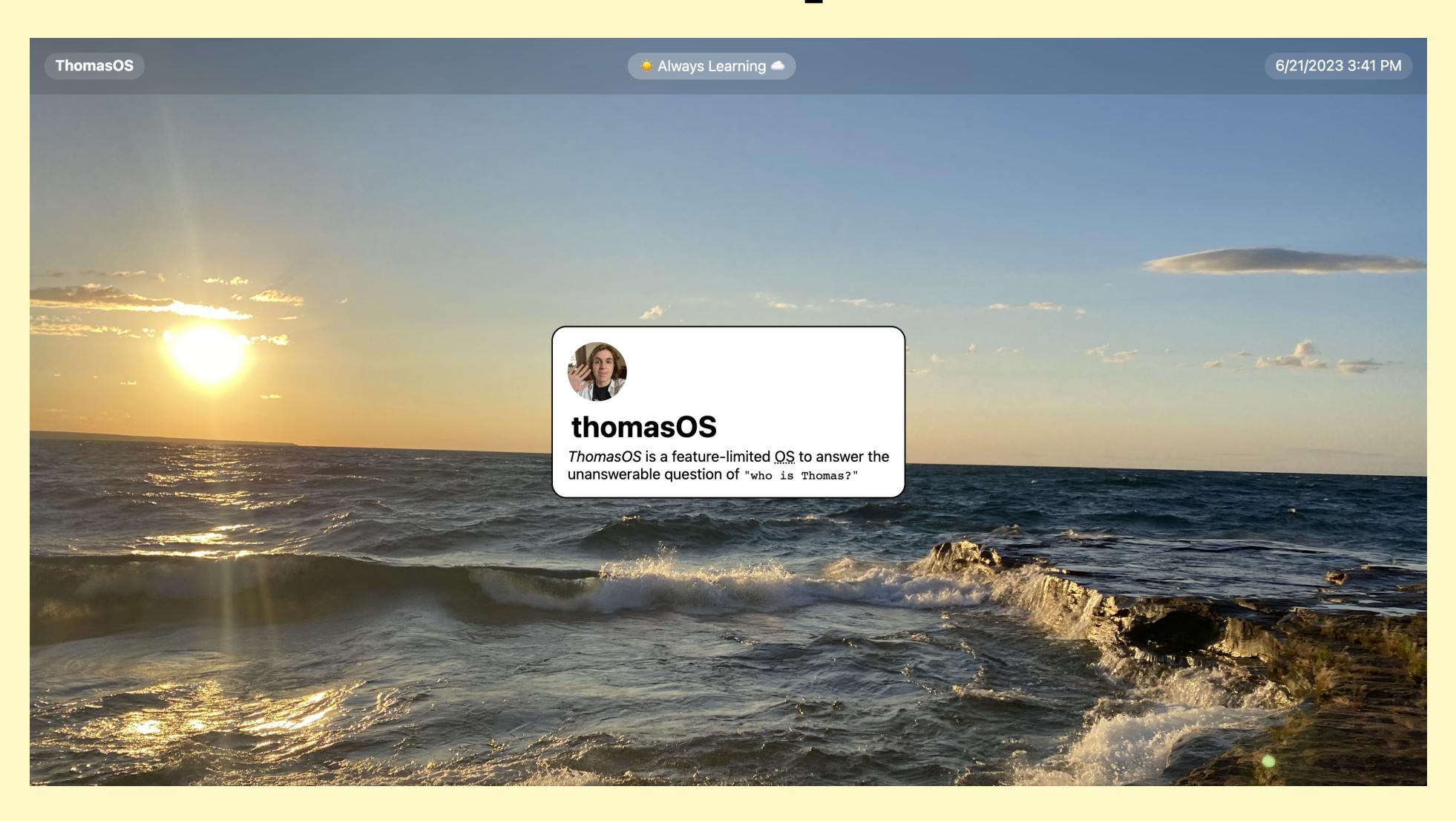
Add a Topbar Overlay

```
<div
 style="background-color: rgba(0, 0, 0, 0.25); color: #fff; (other styles)">
 Thomas OS
 6/21/2023 3:41 PM
 </div>
```

p.s. you can add backdrop-filter: blur(10px); to blur background

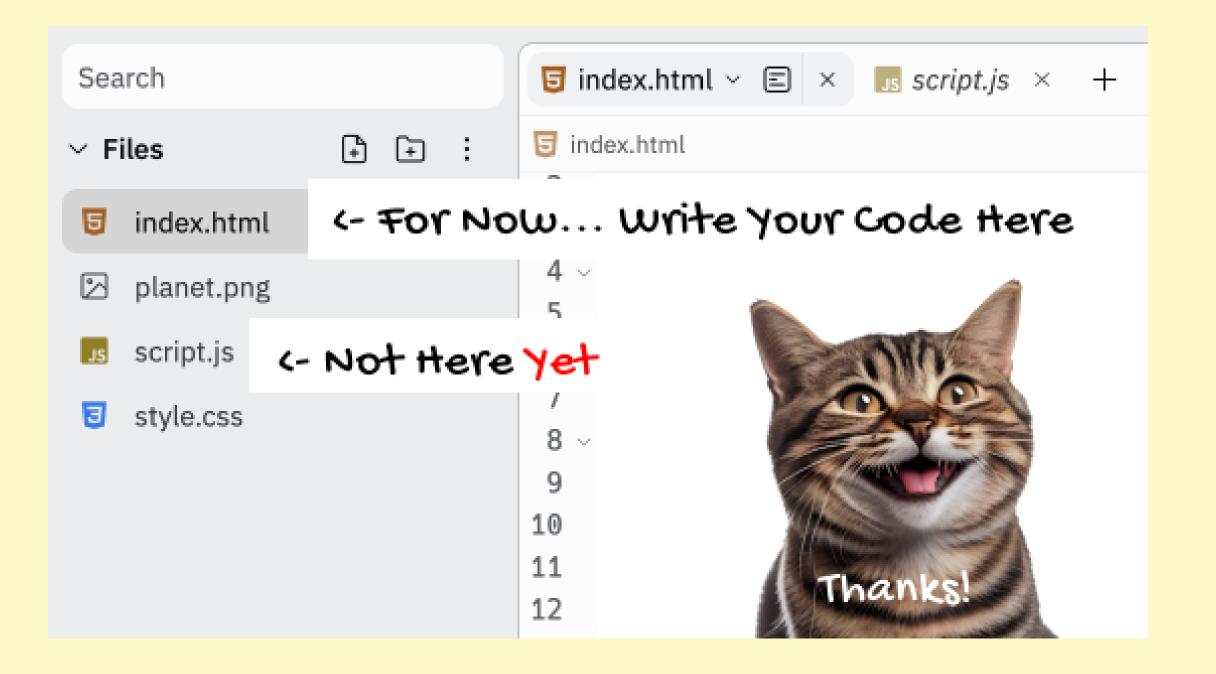
You Can Add Anything You Want in Your Top Bar & Style It However You'd Like

Here's an example:



We need to keep up with time within our application for the top bar :D

Let's start w/ a Script Tag



```
<html>
        <body>
                 (site content)
                 <script>
                          (JavaScript Code)
                 </script>
        </body>
</html>
```

Let's Get the Time

```
<script>
    var currentTime = new Date().toLocaleString();
</script>
```

Get The Time Text Element

```
Time
```

Add an ID to the Element

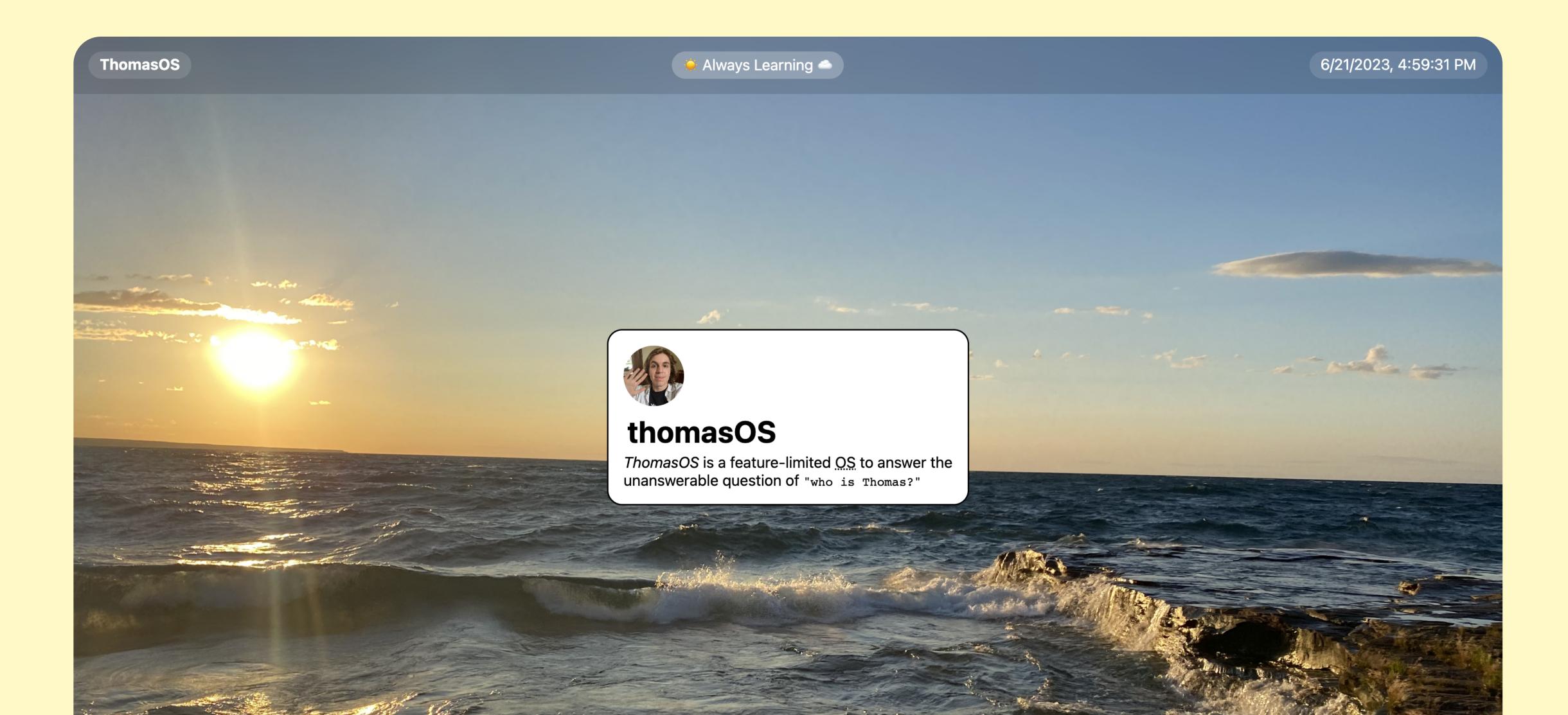
Set The Time Once

```
<script>
    var currentTime = new Date().toLocaleString();
    var timeText = document.querySelector("#timeElement");
    timeText.innerHTML = currentTime
</script>
```

Set The Time Every Second

```
<script>
      function updateTime() {
              var currentTime = new Date().toLocaleString();
              var timeText = document.querySelector("#timeElement");
              timeText.innerHTML = currentTime;
      setInterval(updateTime, 1000);
</script>
```

Great! We're done!



Hope you enjoyed part 2. See You Next Time:D