Mr. Jay Arr Saile

Web Systems & Technologies

20 Webpages

Christian G. Canturias
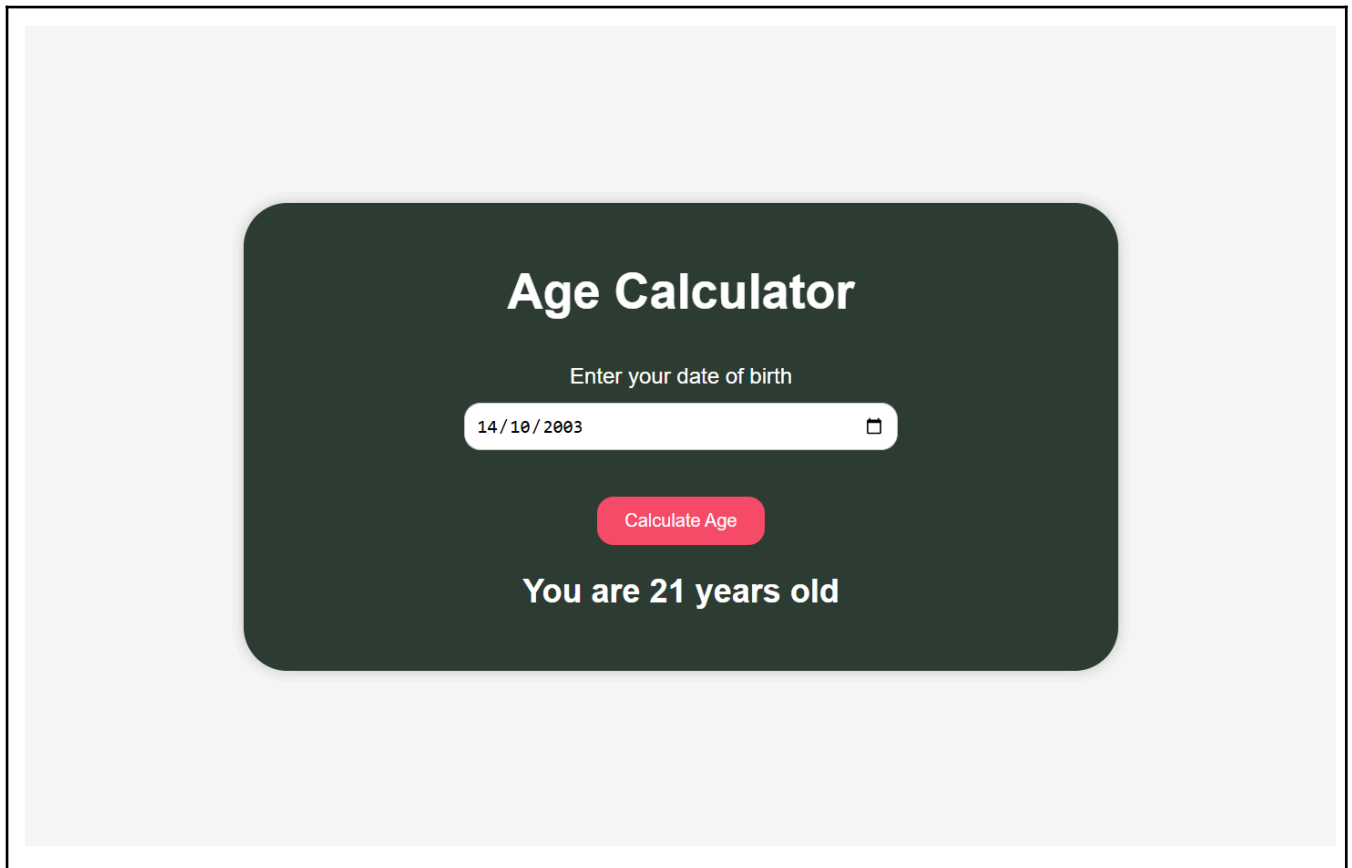
BSCS-II/B

LEC

T/TH (17:30–18:30)

LAB

S (09:00–12:00)

1. Age Calculator

What the project does.

This webpage calculates your age using the birthdate you provided. It compares your birthdate and the current date. After getting the year, it checks if your birth month has already passed and if it hasn't, it subtracts one from your age, if it has, it leaves it alone.
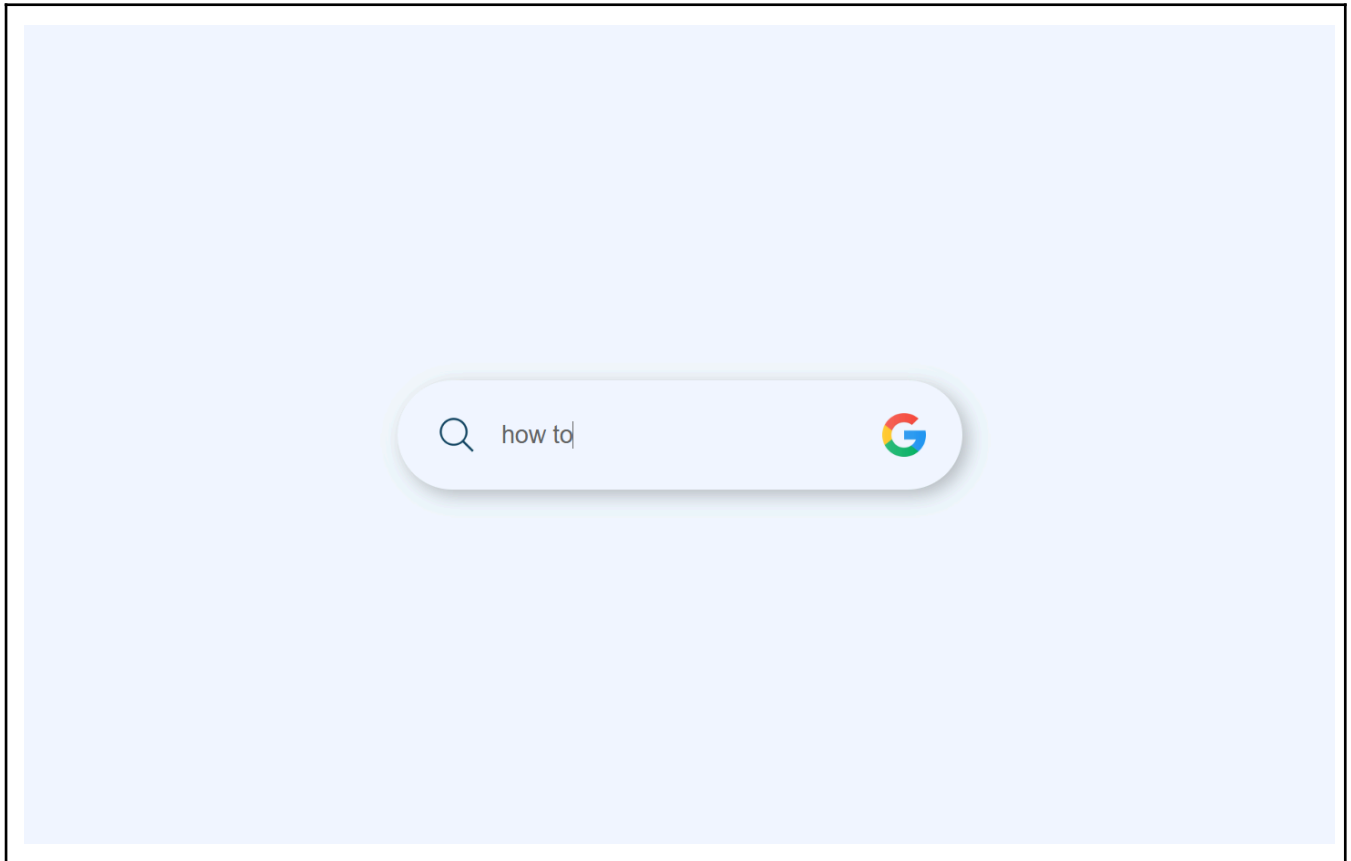
How it could be used in your final business website.

During the account creation process, we would ask for the user's birthdate. In theory we would use this information to comply with the Children's Online Privacy Protection Act (COPPA) to avoid collecting data and personalizing ads for children under 13 years old, but since we're not doing that, this will just be using this information to display on their profiles *(if they enable it)*.

Any challenges faced and how you resolved them.

Understanding how to calculate the user's age if they haven't had their birthdays this year. The if statement in the **getAge()** function helped me wrap my head around it.

2. Animated Search Bar

What the project does.

A simple animated search bar that is collapsed by default. It opens when the magnifying glass icon is clicked, revealing the input, and it closes when the magnifying glass icon is clicked again.
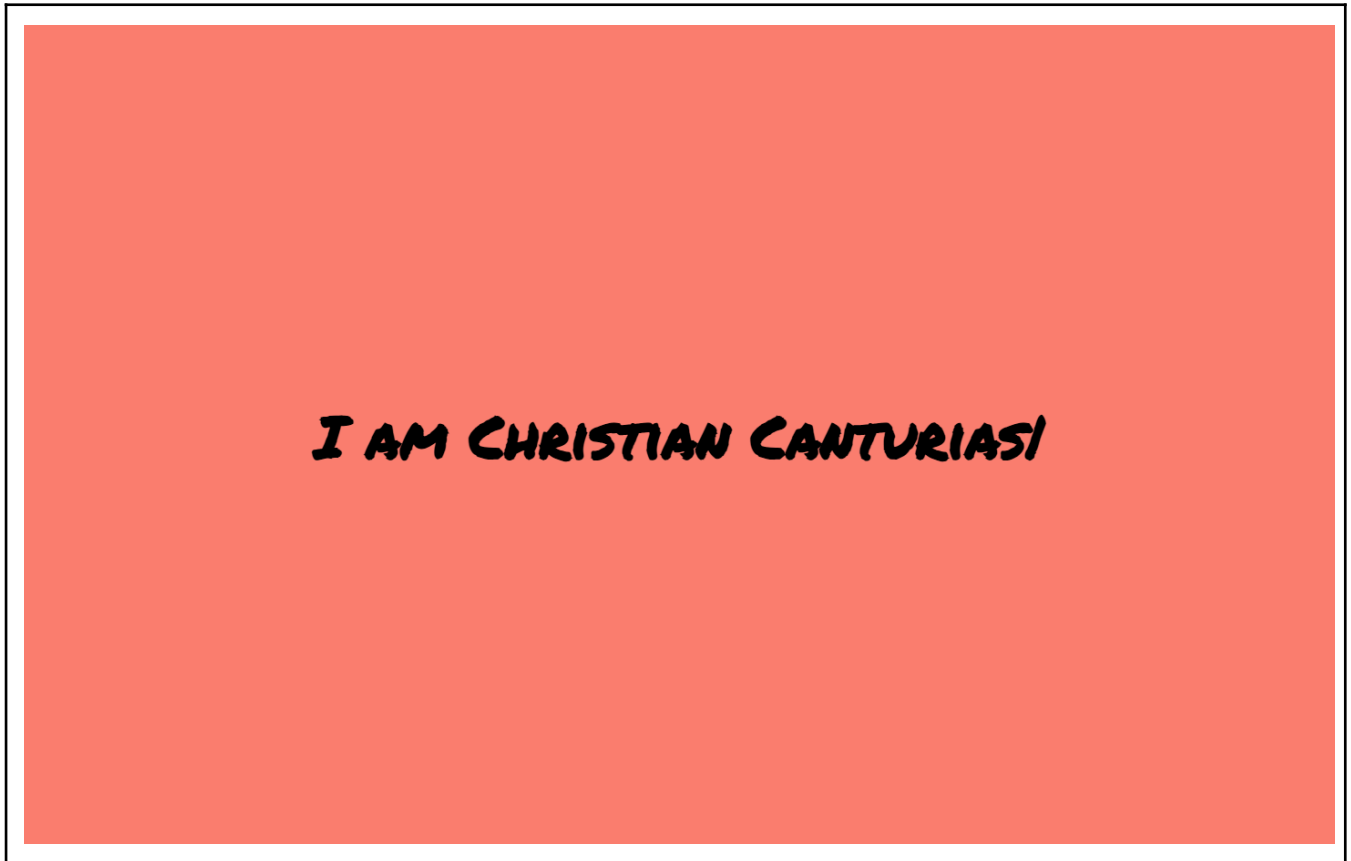
How it could be used in your final business website.

This could be used as the search bar for the business website. It adds animations to spice it up. Although, the original animation was too slow for my liking so I sped it up. I also changed the microphone icon into the Google icon because there is no speak to search feature.

Any challenges faced and how you resolved them.

Nothing really.

3. Auto Text Effect Animation

What the project does.

A text effect that looks like it's typing words. It cycles to different ones.
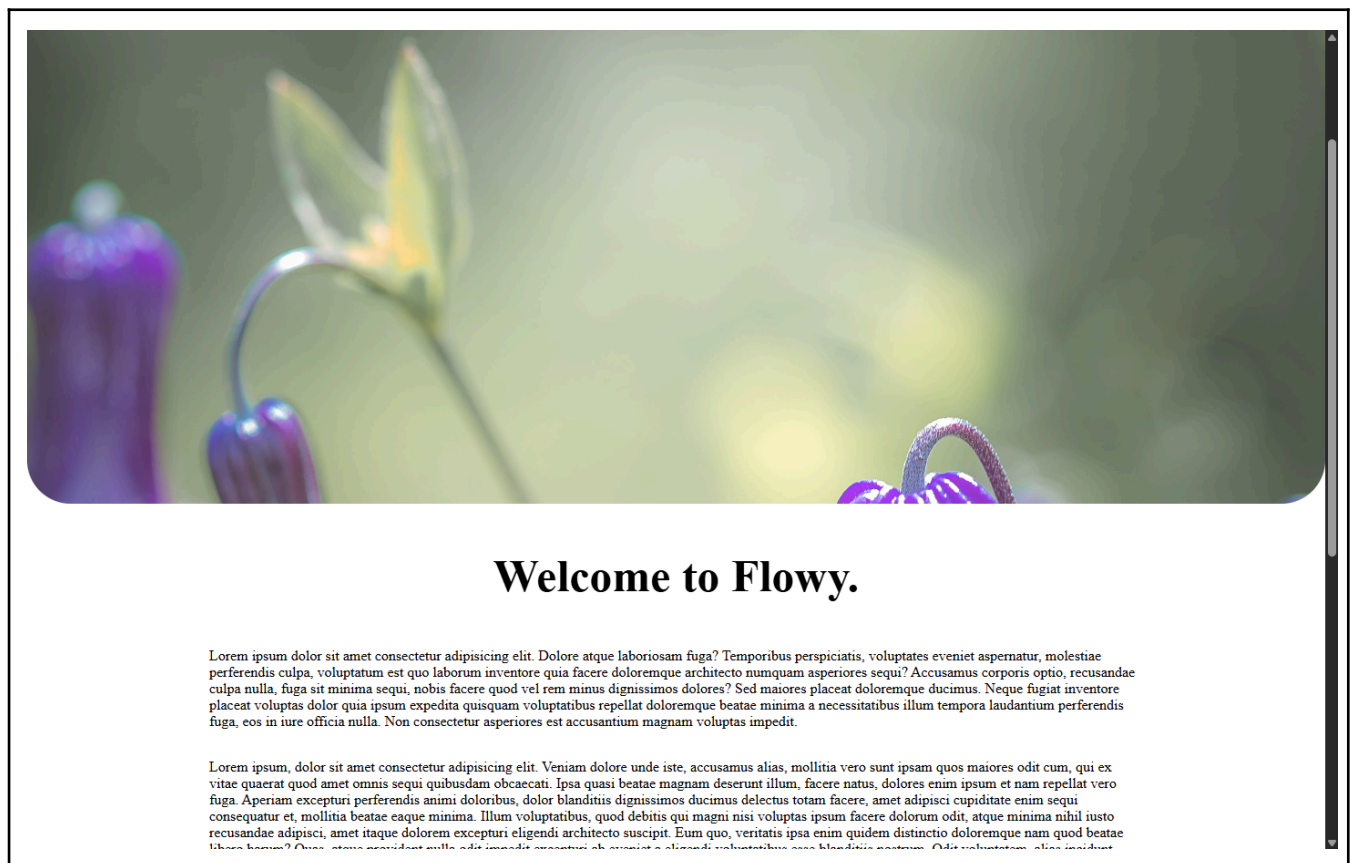
How it could be used in your final business website.

This could be used for aesthetic reasons in the frontpage. For the exercise, I changed the texts to introduce myself.

Any challenges faced and how you resolved them.

Understanding how it works. I still don't fully get it.

4. Background Image Scroll Effect

What the project does.

This page shows an image that gets smaller and more transparent as we scroll down. The main contents of the page are hoisted up as we scroll.
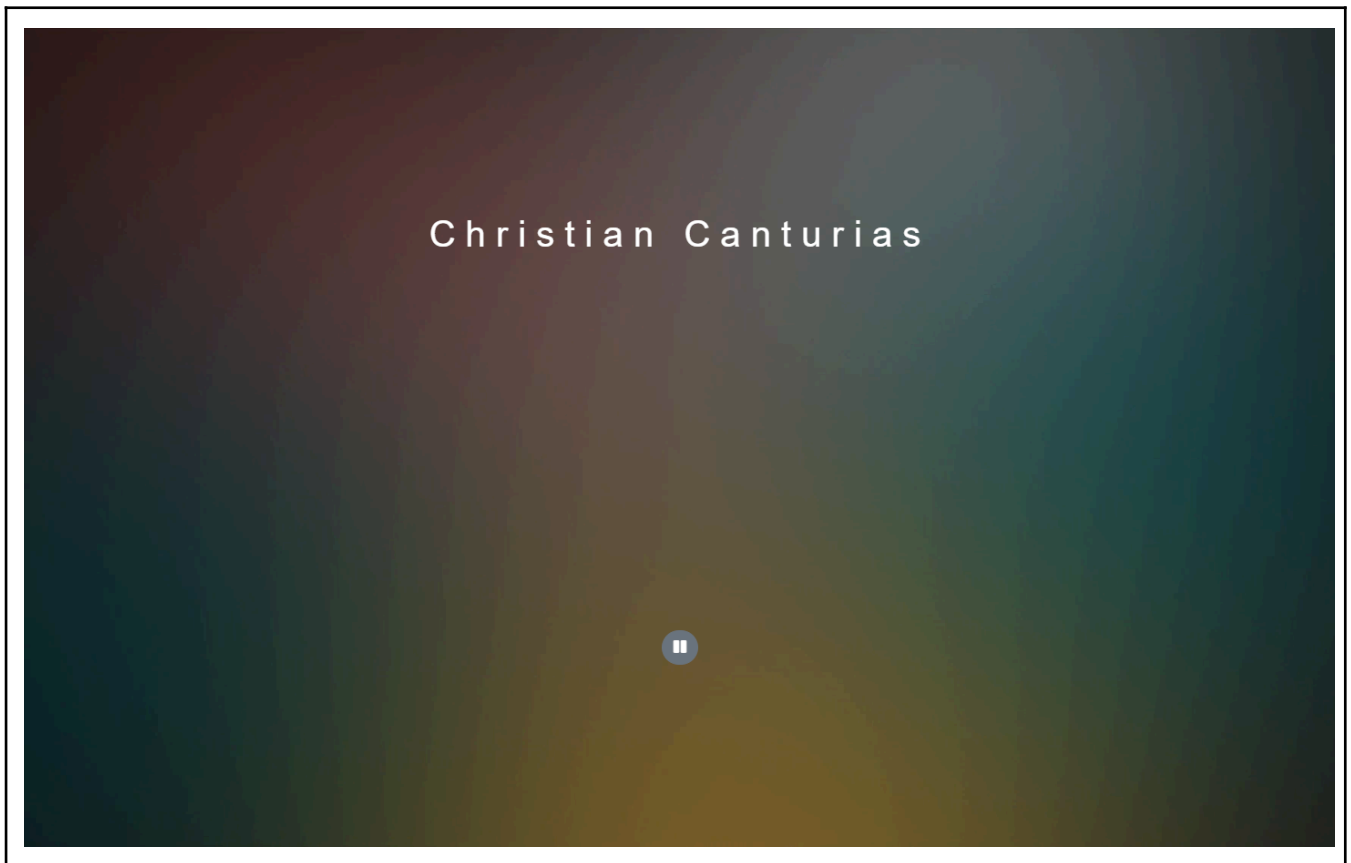
How it could be used in your final business website.

This could be used at the frontpage of the website. The picture shows an image of the products we sell and services we provide. I even added the Auto Text Effect Animation from the previous project page to show my idea.

Any challenges faced and how you resolved them.

Nothing. It was straightforward.

5. Background Video

Christian Canturias

What the project does.

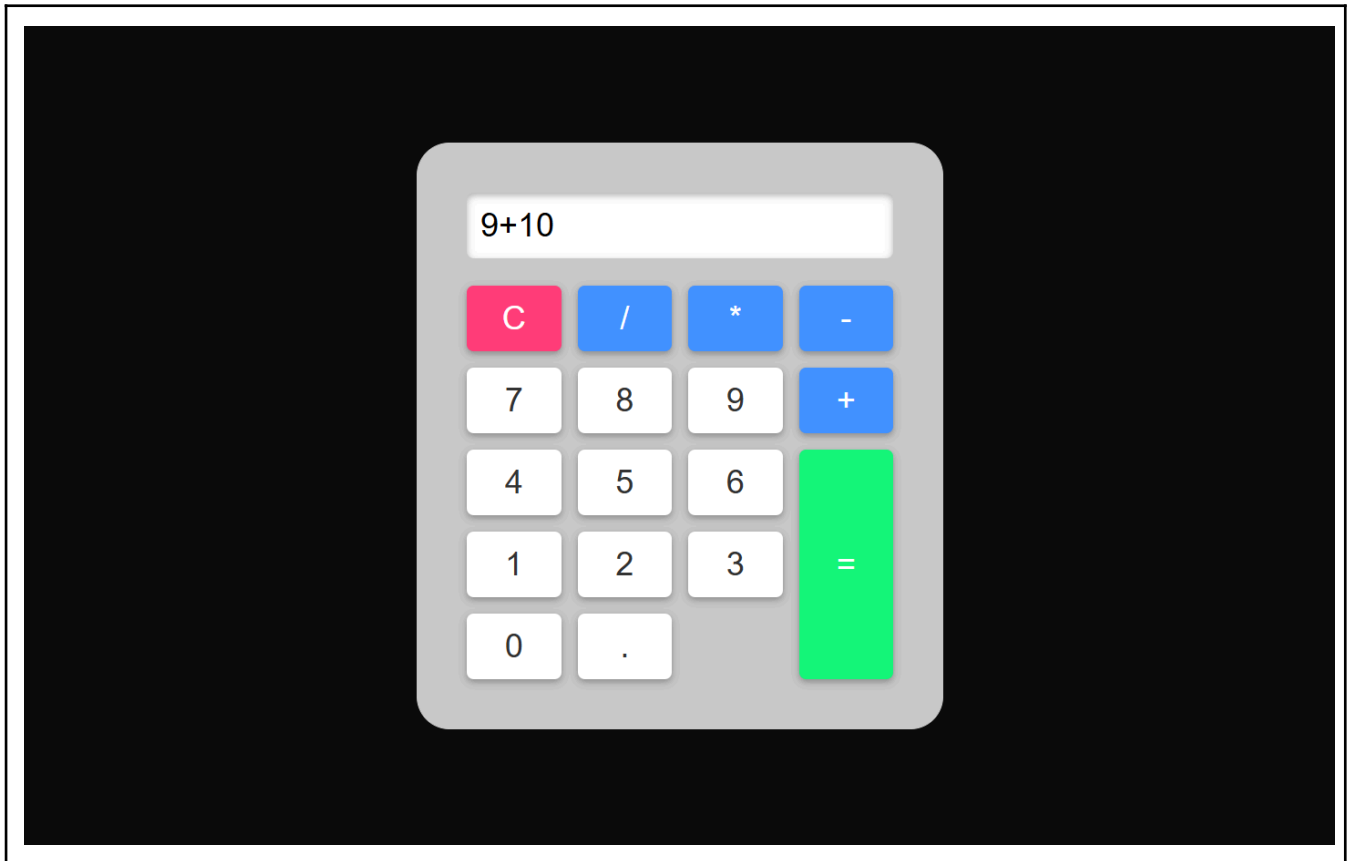This page implements a video as its background.

How it could be used in your final business website.

This could be used at the frontpage of the website. Maybe replacing the image of the Background Image Scroll Effect page earlier into a video instead. In the page, I changed the text in the header to have my name instead, and I also made the pause/play button a circle.

Any challenges faced and how you resolved them.

Nothing. It was quite easy.

6. Basic Calculator

What the project does.

This is a basic calculator. It uses the basic **+ − × ÷** operators. It also has a `c` button to clear the text field. It uses the built-in **eval()** method in JavaScript to evaluate the equation. Although, it's not recommended for security reasons, only for learning purposes, like here.
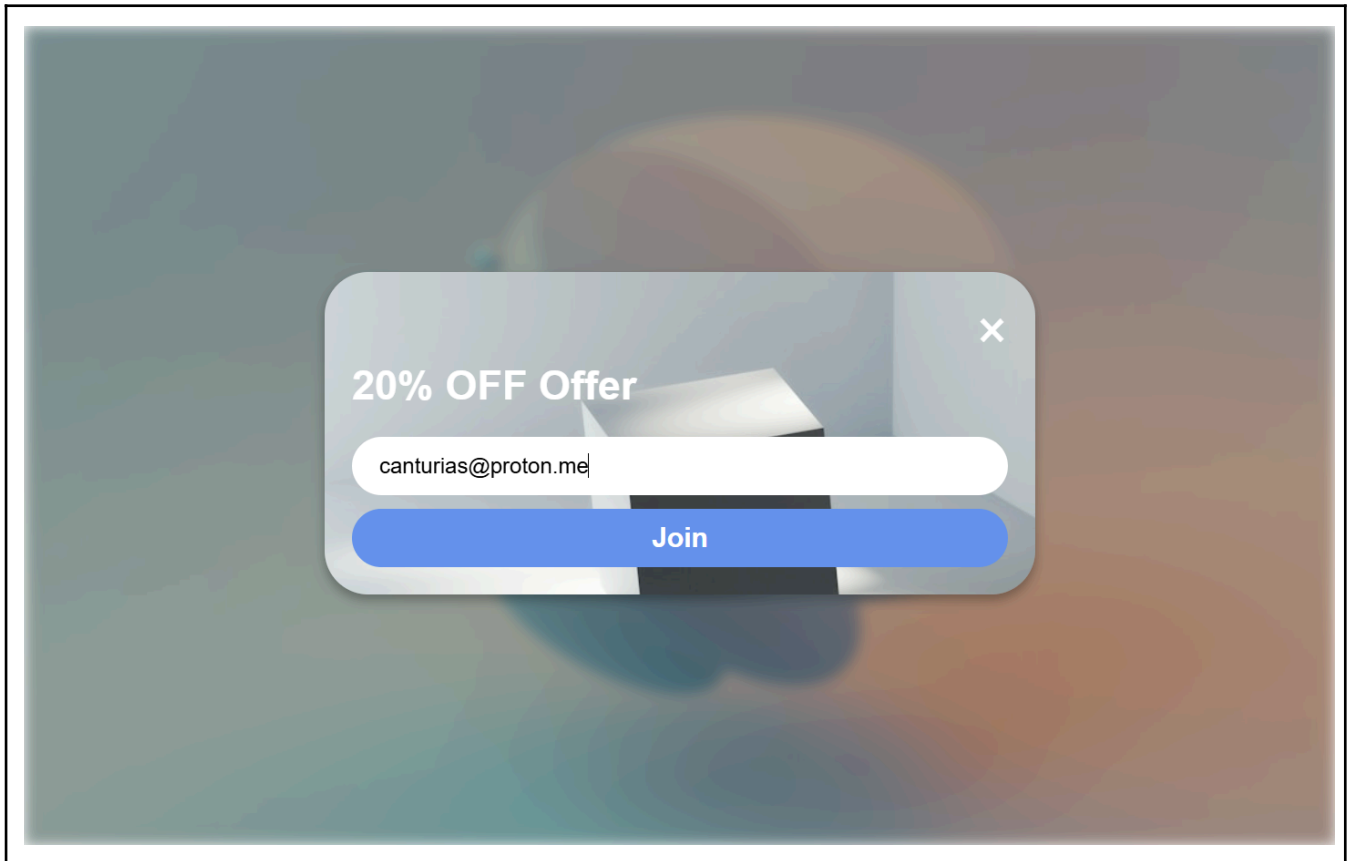
How it could be used in your final business website.

This could be used internally. To calculate item costs for when the user buys something.

Any challenges faced and how you resolved them.

The part where we input the equation, but it was okay to understand after a few reads. Still confused on some parts.

7. Blurred Background Popup

What the project does.

The page has a button that when clicked, shows a popup card. It also blurs everything else so that the user will focus on the card.
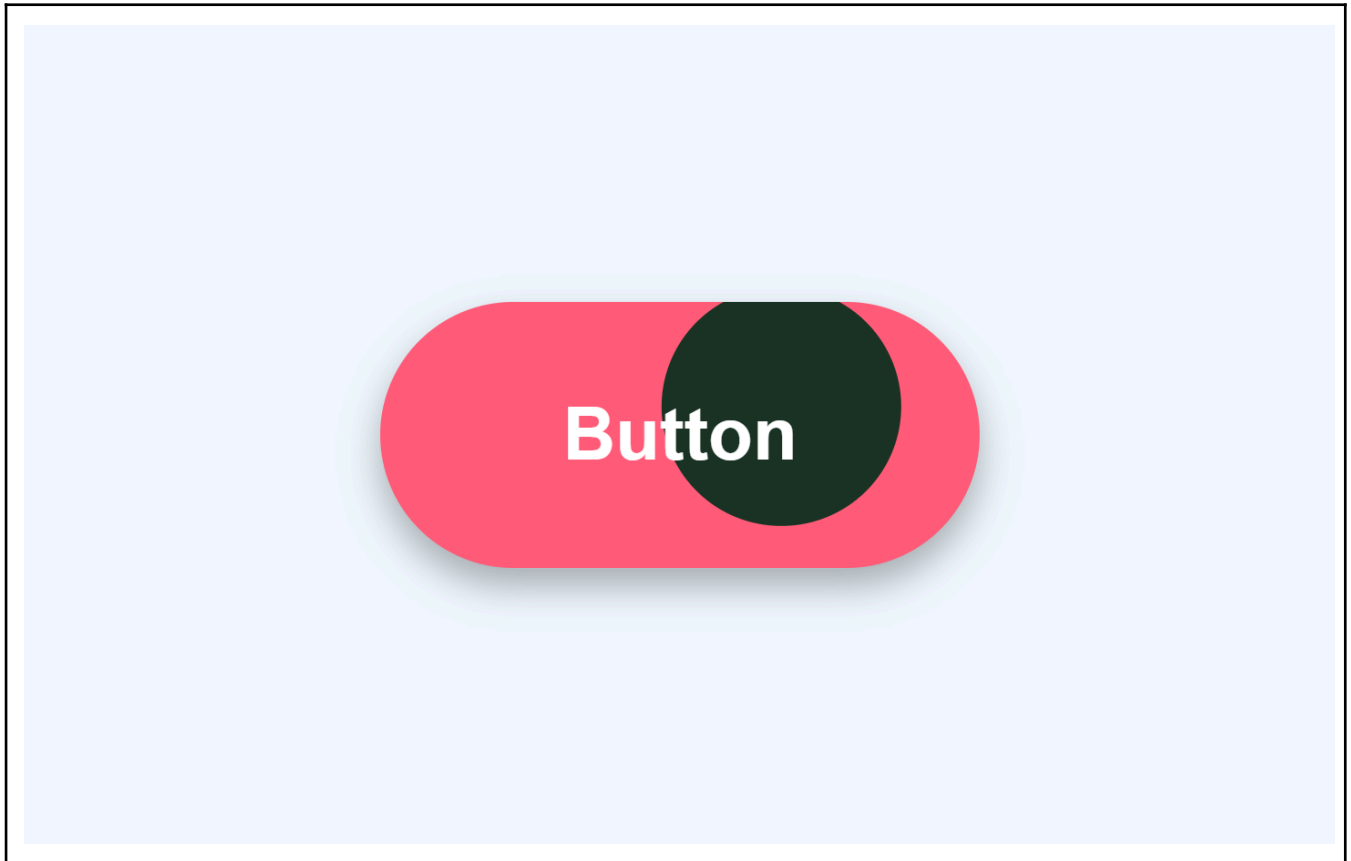
How it could be used in your final business website.

This could be used when we need user input and we want the user to focus on the card.

Any challenges faced and how you resolved them.

This uses JavaScript to toggle classes in HTML elements, which was pretty simple.

8. Button Ripple Effect

What the project does.

The page has a button that when hovered, will change colors with a growing circle animation. The circle grows where the cursor is positioned.
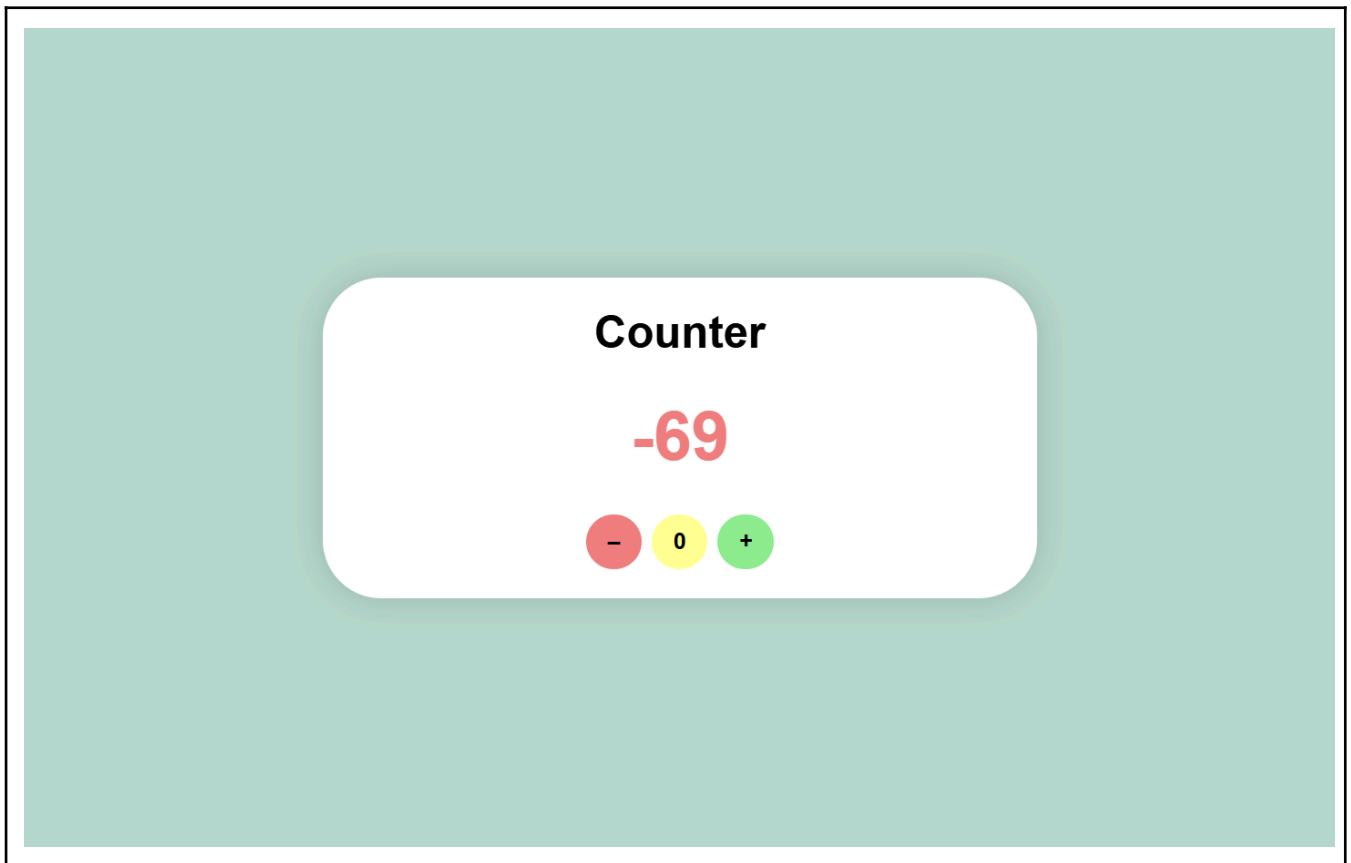
How it could be used in your final business website.

An aesthetic animation that should be used sparingly because it's quite flashy. I changed the colors to pink and green. I also made the animation slower to mess around with it.

Any challenges faced and how you resolved them.

It was quite difficult to understand.

9. Counter

What the project does.

This is a basic counter page. The number goes up by 1 if you press the `+` button, and goes down by 1 if you press the `–` button. The `0` button brings it back to 0.
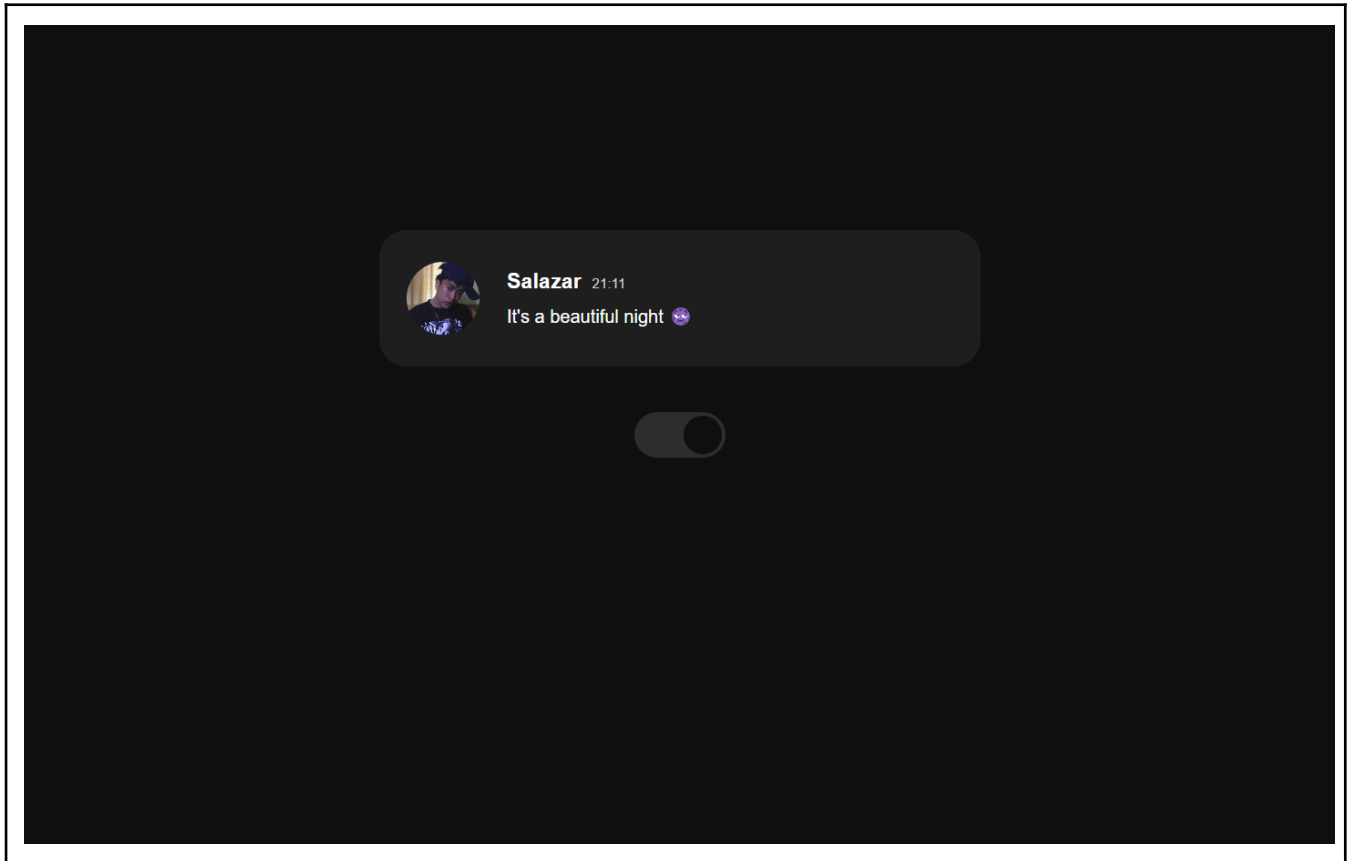
How it could be used in your final business website.

This could be used for the business website when the user selects how many of one time they want to purchase.

Any challenges faced and how you resolved them.

It was very simple.

10. Dark Mode Toggle

What the project does.
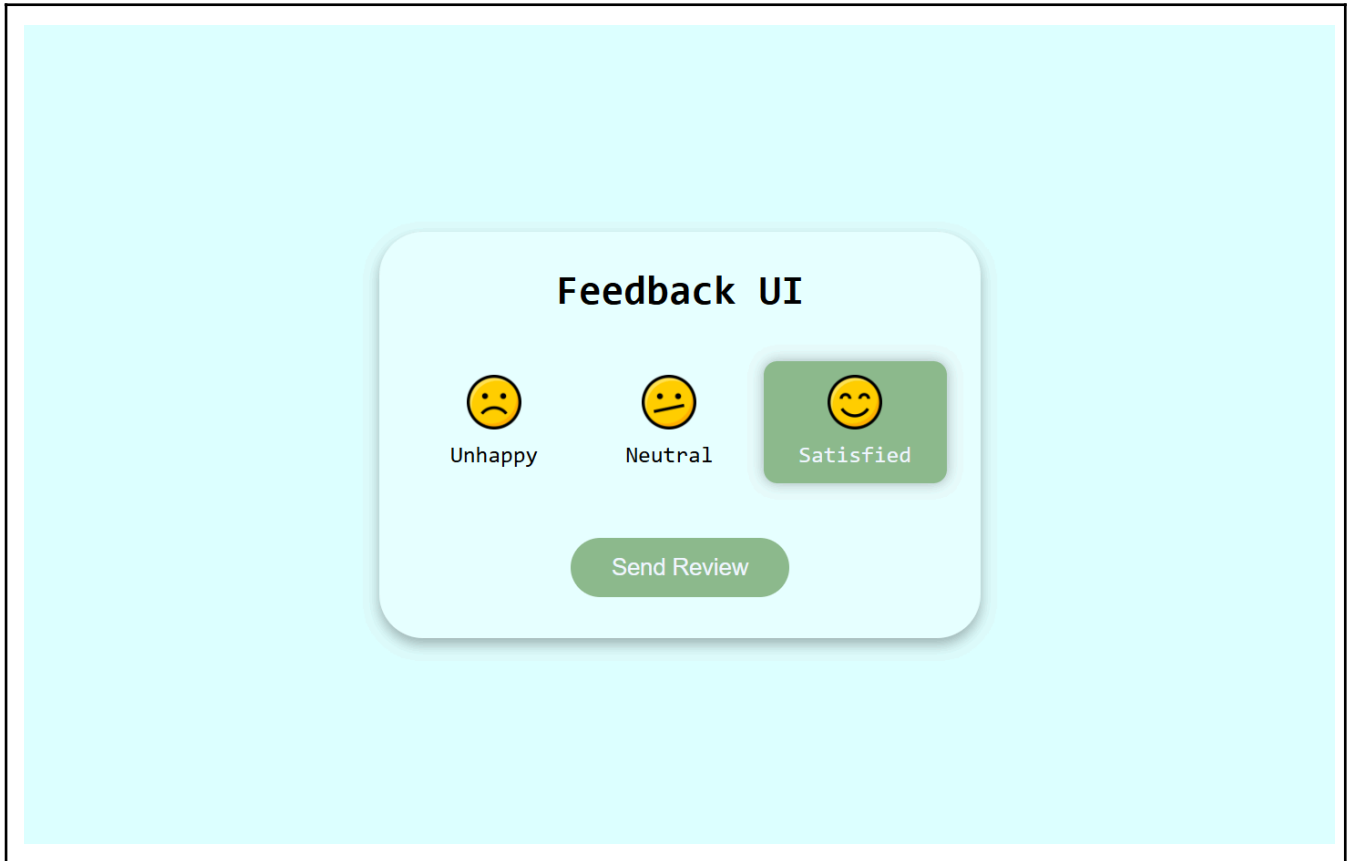
A loading bar that goes from 0% to 100%.

How it could be used in your final business website.

This could be used to load something on the business website. Though the example had artificial loading, I picture implementing this when something needs actual loading.

Any challenges faced and how you resolved them.

Every 20 milliseconds, the **updateNum()** function runs if the width is less than 100%. That's what I think is happening. It was straightforward to understand.

11. Feedback UI

What the project does.

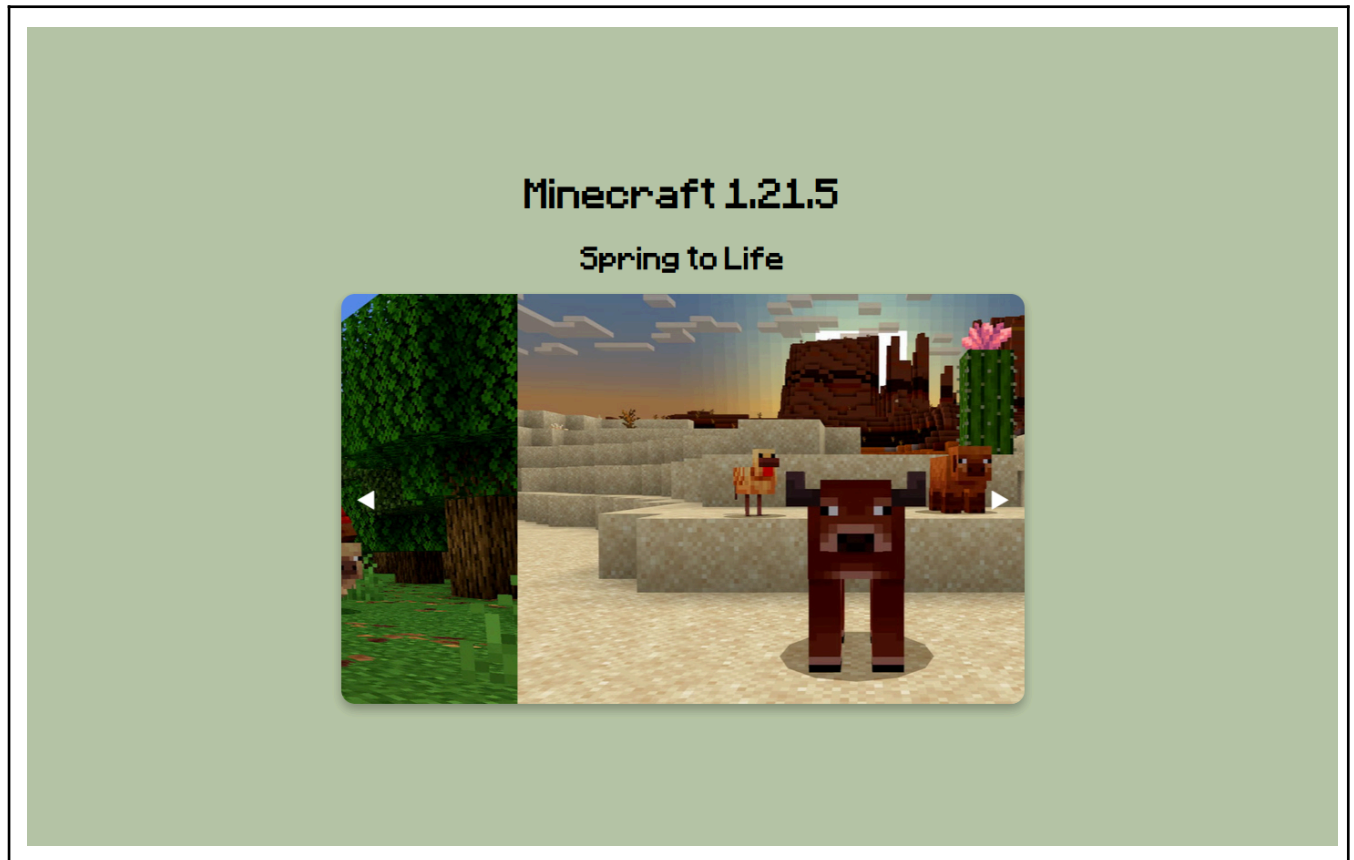A simple user interface where the user selects a rating.

How it could be used in your final business website.

This could be shown to the user after purchasing on the website to know what they thought about the experience.

Any challenges faced and how you resolved them.

It was okay. Just changing styles and text on button clicks.

12. Image Slider

What the project does.

An image slider that slides automatically, but can be manually switched back and forth.
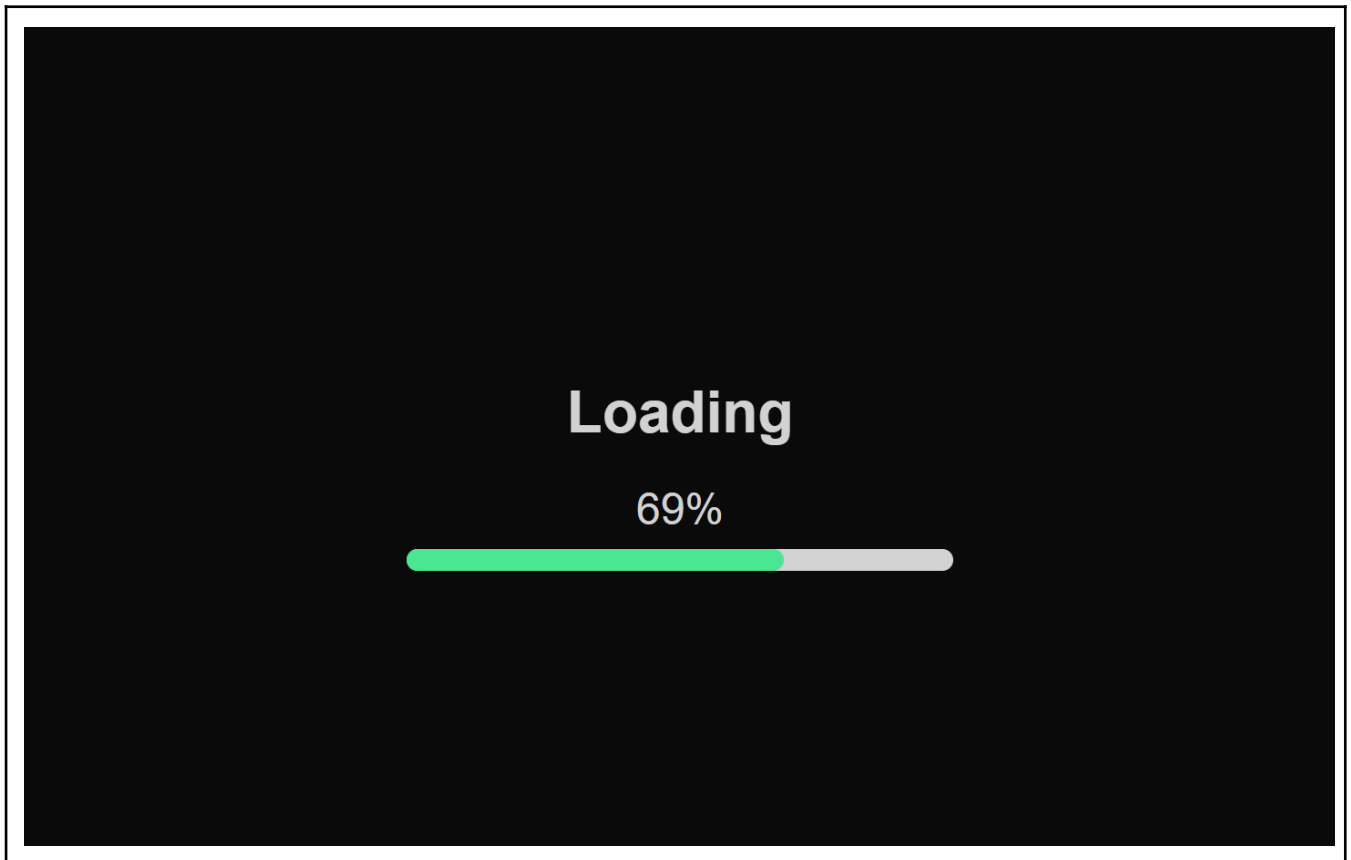
How it could be used in your final business website.

This could be used to showcase images from a product listing or service. My example showcases the new Minecraft 1.21.5 *(Spring to Life)* update.

Any challenges faced and how you resolved them.

This utilizes the translateX transform style. I had trouble understanding some parts.

13. Loading Bar

What the project does.

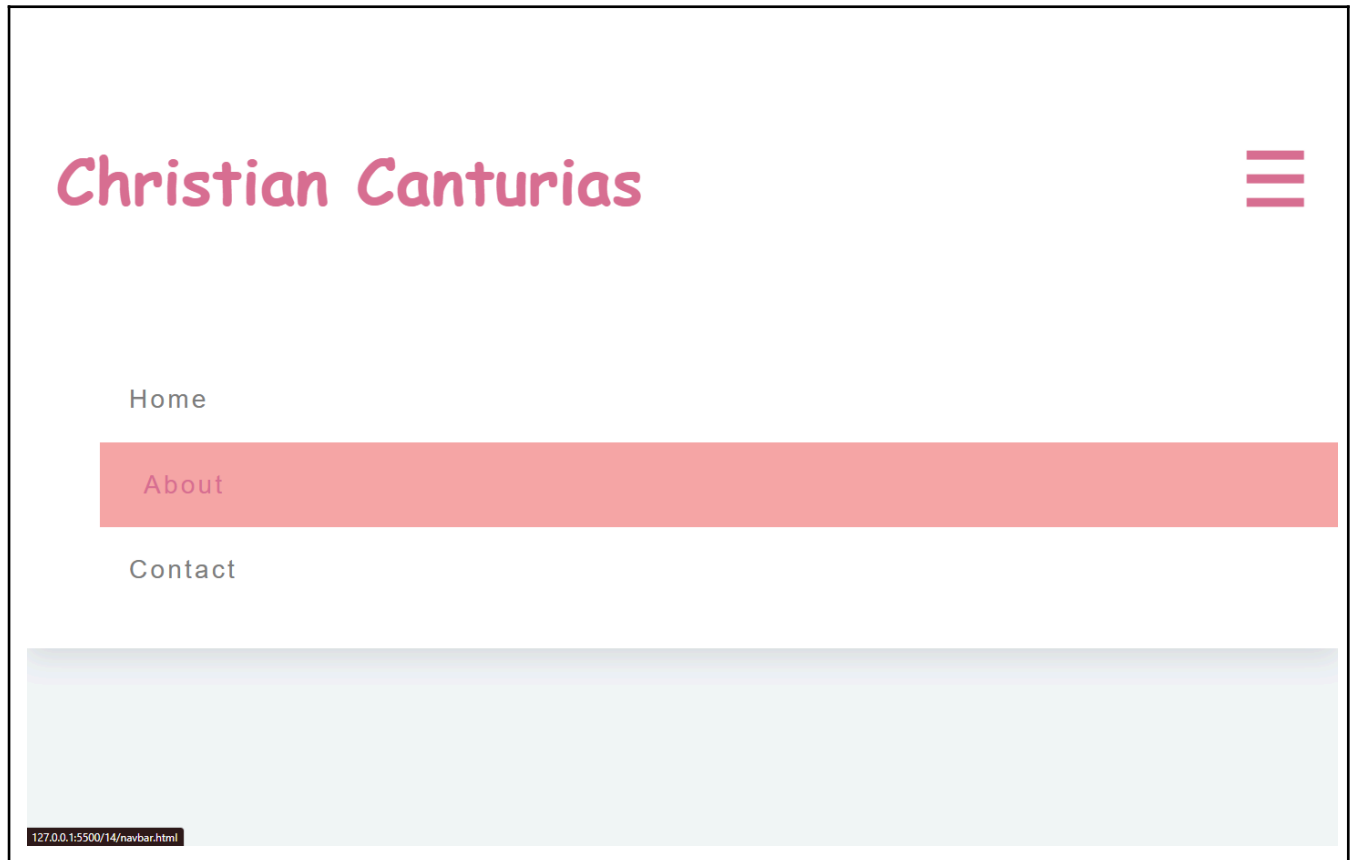A loading bar that goes from 0% to 100%.

How it could be used in your final business website.

This could be used to load something on the business website. Though the example had artificial loading, I picture implementing this when something needs actual loading.

Any challenges faced and how you resolved them.

Every 20 milliseconds, the **updateNum()** function runs if the width is less than 100%. That's what I think is happening. It was straightforward to understand.

14. Navbar

What the project does.

A dynamic navbar that is responsive. It collapses the links in a hamburger menu if there's not much space (like in a phone).
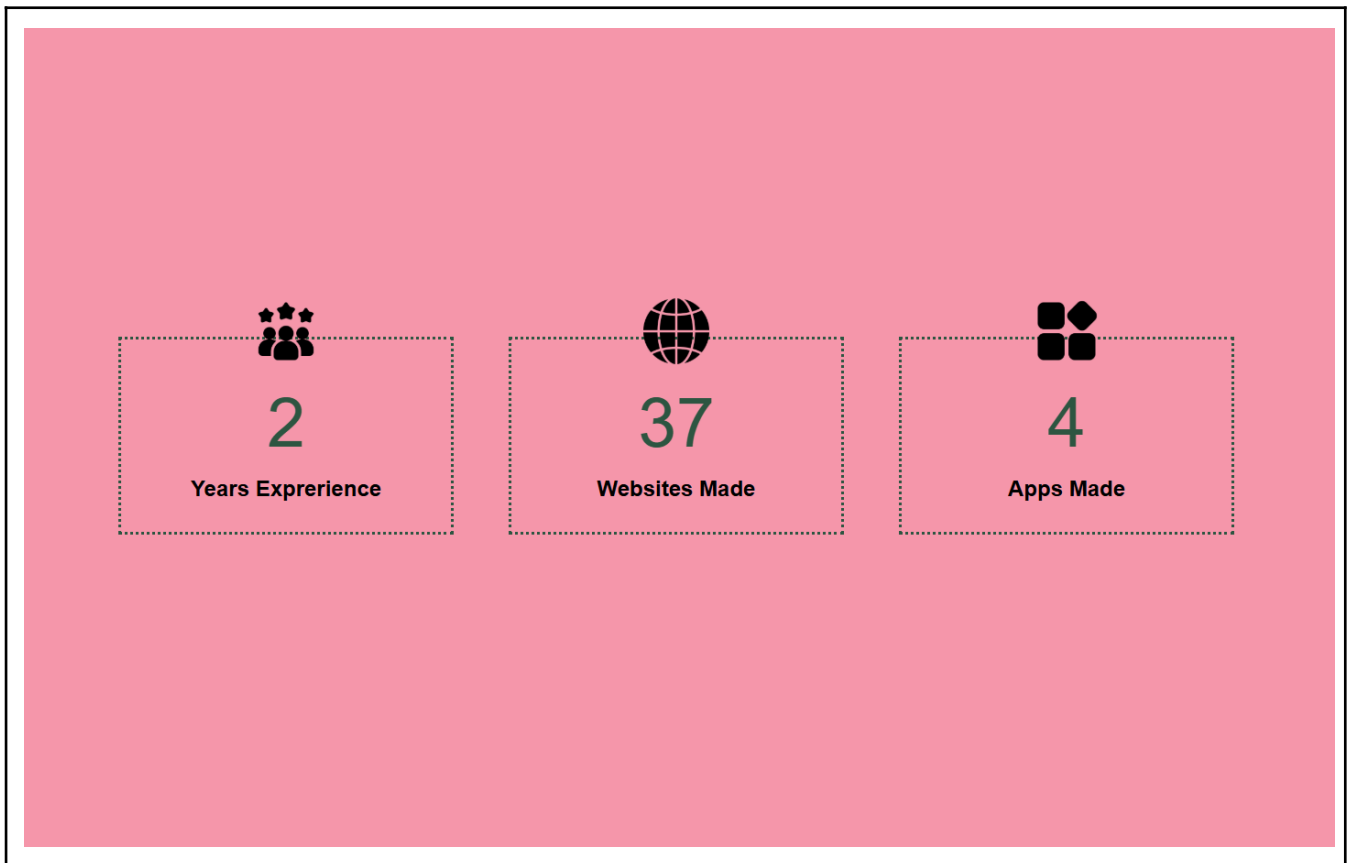
How it could be used in your final business website.

Can be used in the business website. Its responsive nature makes it accessible to mobile users.

Any challenges faced and how you resolved them.

It was straightforward.

15. Profile Statistics

What the project does.

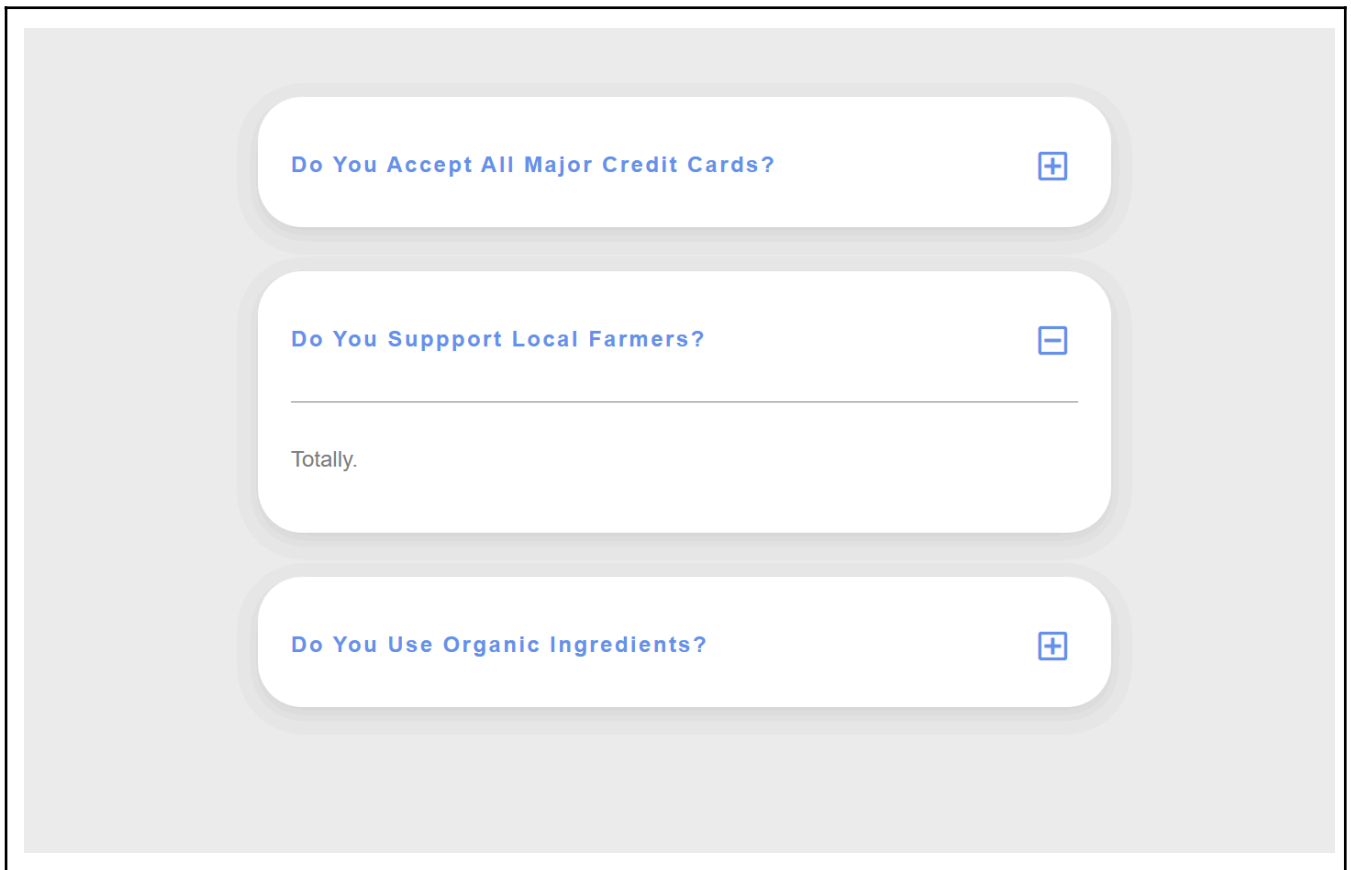This shows profile statistics. The numbers count automatically.

How it could be used in your final business website.

This could be used in user/seller profiles. Showing how many followers, likes, sales, even their rating.

Any challenges faced and how you resolved them.

It was straightforward.

16. Q&A Section

What the project does.

This shows Q&A cards that open when you press the + button.

How it could be used in your final business website.

This could be used in a Frequently Asked Questions page in our business website.

Any challenges faced and how you resolved them.

It was alright. Just toggling classes.

17. Random Password Generator

Random Password Generator

3pL#dP)9X79rr8

Generate

3pL#dP)9X79rr8 copied!

What the project does.

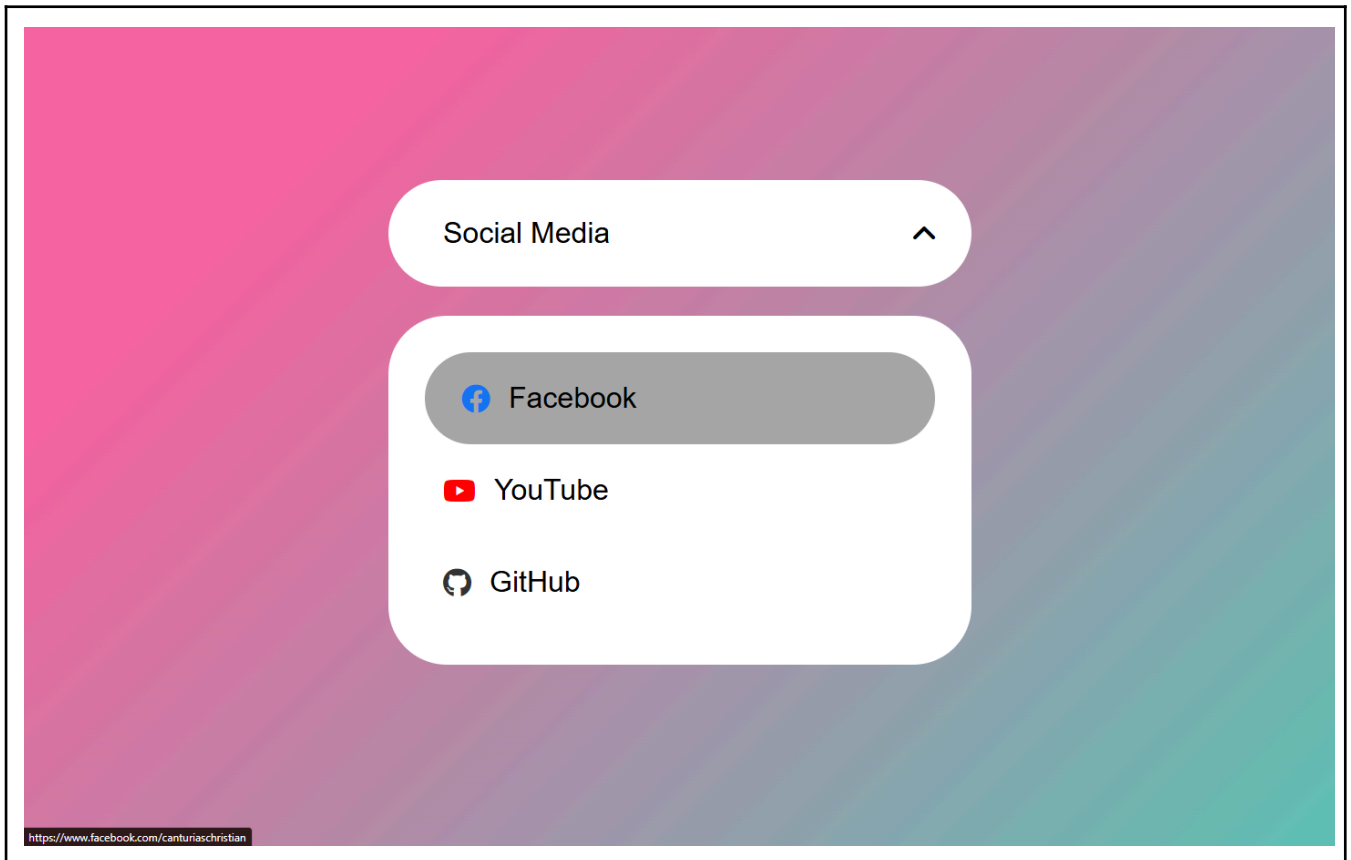A page that generates random and secure passwords for the user.

How it could be used in your final business website.

This could be used in the account creation process if the user prefers strong and random passwords.

Any challenges faced and how you resolved them.

I was quite confused on how it was generating random passwords.

18. Social Media Selector

What the project does.

A page that shows social media links.

How it could be used in your final business website.

This could be used on user profiles if they want to link their social media accounts.

Any challenges faced and how you resolved them.

¯_(ツ)_/¯

19. Sticky Navbar

What the project does.

A page that has a sticky navbar. It is fixed to the top, regardless if you scroll down or not.

How it could be used in your final business website.

This could be used in a lot of pages in the business website.

Any challenges faced and how you resolved them.

¯_(ツ)_/¯

20. Tip Calculator

What the project does.

A page that calculates the tip of a bill.

How it could be used in your final business website.

This could be used if a generous user wants to leave a tip.

Any challenges faced and how you resolved them.

It's math. ¯_(ツ)_/¯