Part I

Purpose of the website
This website was created to bring an element of joy as an outlet for positive procrastination while shining light on some wildly random facts about bananas.

Information the website conveys
The website provides an interactive element as visitors are introduced to a variety of facts concerning bananas as a fruit.

How is it interesting and engaging?
To make the "educational" aspect more attractive, the website invites users to drag and peel a realistic rendering of a banana. With every mouse drag, visitors can shed the skin of the banana and complete that goal with 3 drags. When visitors finish peeling the banana, the counter at the bottom increases by one, a new whacky banana fact card appears, and the banana is ready to be peeled again. Do visitors ever run out of bananas to peel and new information to learn? They'll never know, but they may try to find out by continuing to do it…

Who is the target audience?
These bananas are for all ages to peel! The facts are also all family-friendly. If you can eat a banana, you can digitally peel one.

Part II

How users may interact with the website
Repeatedly drag on the banana to peel it. When users finish peeling a banana,

With a mouse drag on a new banana:
- A piece of the banana skin gets peeled off

With every 3 mouse drags on the banana:
- An entire banana gets peeled!
- The "bananas peeled" counter increases by 1
- A fact card appears on the right, below the text: "Untrustworthy banana facts"

With a click on the peeled banana that has been peeled entirely:
- Another wild banana appears, ready to be peeled

Part III

Tool I used
jQuery

<u>Why did I choose to use it?</u>
jQuery has an incredible usability edge over vanilla JavaScript and includes a lot of extra features that add more to user interaction.

<u>How did I use it?</u>
 I selected elements, added actions to mouse drag, modified image sources, and constructed new elements using jQuery. Also, vanilla Javascript has a variety of bloated element height measurement functions, while Jquery has the simple .height() operator. This was crucial for making the scrolling fact cards work.

Part IV

<u>Iteration process</u>
The concept has not deviated much from the original proposal, but I have done user testing with 2 versions of the idea:

  Version 1: This version focuses solely on bananas.
  Version 2: This version has different options for everyday food items that require surprisingly
  unsustainable agricultural practices furthering global warming: Avocado, peach, chocolate,
  coffee, and strawberry. The accompanying facts are meant to shine a light on how much they
  hurt the environment.

Participants said they found the act of peeling the banana to be much more satisfying, and the facts to be more entertaining and funny. They stated they could keep going and still be entertained by the silliness. Other than this major decision point, I decided to implement "Drag to peel" instead of the original "Click to peel". There were also minor UI improvements along the way.

Part IV

Figuring how the banana counter may be operating correctly, how fact cards appear, and the mouse drag actions were the harder parts of the project. Placing the website title "peel the banana" at the right place matching the white circle backdrop was also surprisingly annoying due to the limited knowledge of CSS. I ended up making the hints in the pink chat bubbles as part of the png for the title due to the difficulty of positioning / replacing everything.

Hope this website has brought some degree of entertainment!

- Daisy

Appendix

Address: https://daisydai-cmu.github.io/dda ⟳

Styles: OFF ●—ON ON

Summary

| Summary | Details | Reference | Order | Structure | Contrast |

❌ 0
Errors

◉● 0
Contrast Errors

⚠ 0
Alerts

✅ 4
Features

⛓ 4
Structural Elements

📦 0
ARIA

[☰ View details ›]

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Address: https://daisydai-cmu.github.io/dda ⟳

Styles: OFF ●—ON ON

Details

| Summary | Details | Reference | Order | Structure | Contrast |

☑ ✅ 4 Features
  ☑ 3 X Alternative text
    🖼 🖼 🖼 ⓘ
  ☑ 1 X Language
    🌐 ⓘ

☑ ⛓ 4 Structural Elements
  ☑ 3 X Heading level 1
    h1 h1 h1 ⓘ
  ☑ 1 X Main content
    🗄 ⓘ

If an icon does not appear within the page, turn off Styles above to view it.