1. To use this application, either copy a URL to a PDF and click "Count" or choose a file.
2. Below I explain my approach.
3. I iterate through each row of pixels.
4. Each time I encounter a row such that there are at least two pixels with differing colors
5. and the previous row (if it exists) is single-colored,
6. I increment the line count.
7. Therefore the input must be a PDF with only text that reads horizontally,
8. a solid color background, and at least one pixel of space between lines.
9. I threw this together as a simple prototype, so the algorithm is not very robust,
10. the set of valid inputs is quite limited,
11. and the user interface is extremely bare bones.
12. Expanding the set of valid inputs (PDFs with images, multi-colored backgrounds, etc.)
13. requires a much more complex solution, probably using computer vision.
14. The only library I used for this project was [PDF.js](PDF.js).
15. Everything else is written in HTML and vanilla Javascript.
16. I deployed the app [here](here) using [Github Pages](Github Pages).
17. Here is my [source code](source code).