

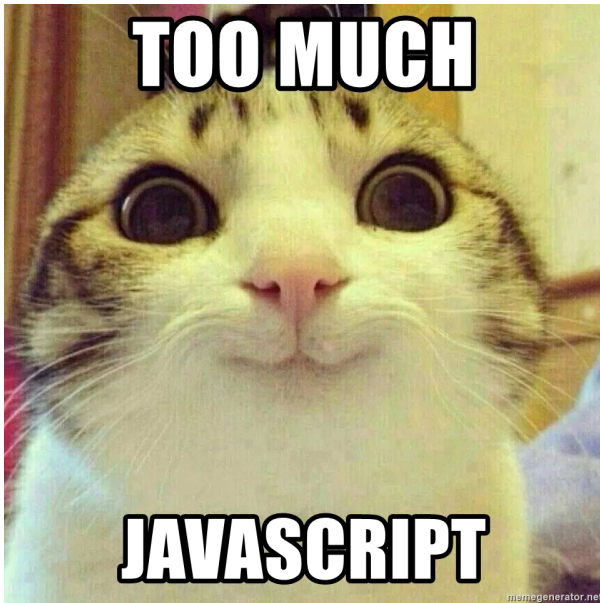
Today's Objective: Meme maker!

Today's objective is to create a caption meme maker.

There are tons of meme makers online, with a variety of features. Here are a few:

- <https://imgflip.com/memegenerator>
- <https://www.kapwing.com/meme-maker>
- <https://makeameme.org/>

Today we will build a meme-maker!



Using a Backend? -- not a problem!

Deploying a backend? Amazing, you shouldn't have a ton of problems!

You can use libraries based on `imagemagick` (Google it) to generate memes in the backend!

Have fun!

Frontend-Only - how can you download an image.. without a server?

Ok, this is a bit tricky. The problem is... downloads traditionally require a download button that hooks up to the server.

Fear not, there is a solution!

Using `svg` elements, you can create a meme maker that can 'fake' an image download.

- Step 1: Write your code using **SVG elements**.

- Step 2: Wrap your SVG with a contenteditable div.
- Step 3: Convert the SVG to Canvas
- Step 4: Download the canvas.

Here are a few examples:

- This fiddle is a good example: <https://jsfiddle.net/pcLrydh5/>. Click to edit the text.
<https://www.freecodecamp.org/news/react-for-beginners-building-a-meme-maker-with-react-7164d3d3e55f/>
- <https://blog.alexdevero.com/meme-generator-react-typescript/>

Technology Restrictions

- Your project must use JavaScript.

There are no other restrictions.