

This project was coded in Go, a language I had never used prior to this project. For this project specifically, I had the help of one other person. Together, we were tasked with reading a file from a website URL, given via command line, and searching through the raw data in that file to see if there were any jpg files hidden in it. We did this by breaking up the data into chunks of 512 bytes per slice. For each slice, we looked at the first few characters to see if they matched the jpg header, which was \xff\xd8\xff. This unique string of characters identifies that a jpg file is present in the following data. If we found that unique header, we wrote the data to an outfile that was dynamically created so that multiple jpgs could be generated from the same file. The end result was several jpgs that could be viewed as normal images, rather than a bunch of jumbled-looking raw data.