

content? Recently I faced this task. I quickly understood that using something like pdfkit was not an option for me. It does not give full control over the

fast while being able to maintain page styles and JavaScrtip rendered

So, are you here because you need to convert web pages to PDFs and do it

page that you want to convert to PDF is rendered via JavaScript you won't see the same result as you would through your browser. And pdfkit is kinda slow 蹭. My solution includes using Selenium to achieve fast and controllable PDF generation. If that detail does not scare you, let's start.

contents of the page and the way the result PDF would look like. Also, if the

## Mac OS, Windows, or Linux.

Prerequisites:

Also, you need to install webdriver-manager and selenium packages. webdrivermanager takes care of fetching the latest version of chromedriver, so don't

You will need to have Chrome browser installed on your machine, it can be

need to worry about it. This approach works for years in production for me with no issues with chromedriver and chrome being incompatible. pip install webdriver-manager selenium

I will provide a full code snippet and explain what is going on:

This approach is based on using Chrome's built-in print function and

invoking it through browser API.

helper function.

outfile.write(pdf\_file[0].getbuffer())

2. Calls \_get\_pdf\_from\_url on them. This function uses build-in Chrome

devtools and invokes Page.printToPDF on them by calling \_send\_devtools

All the heavy lifting is done by \_generate\_pdfs function, which

Example use:

your needs.

browser)

3. Returns PDF file as bytes.

1. Iterates over the URLs

pdf\_file = PdfGenerator(['https://medium.com']).main() # save pdf to file with open('medium\_site.pdf', "wb") as outfile:

After you've set everything up, you can start configuring PDF generator for

1. You can adjust print options by changing print\_options class attribute.

Check printToPDF Chrome devtools documentation for all the options. 2. You can change chromedriver options within the main . In the example

3. You can change chromedriver properties within \_get\_pdf\_from\_url options. For example, you can set the screen resolution self.driver.set\_window\_size(1920, 1080)

code, I've set webdriver\_options.add\_argument(' - headless') so that

chromedriver would open in headless mode(not actually opening the

4. You can adjust the timeout between opening the page and creating a PDF. For example, to create a PDF of medium.com, I had to set time.sleep(2) to 1 second, to allow JavaScript to render the page.

You can use \_get\_pdf\_from\_url separately by building your code around it,

even change options on the fly depending on the URL. This PDF generator works quite fast, for my use case I can generate 500 PDF

Pdf Generation Pdf Selenium Programming

Free

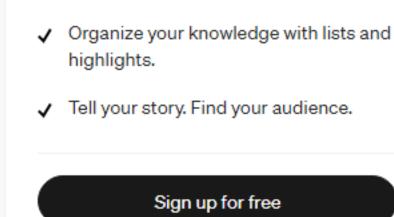
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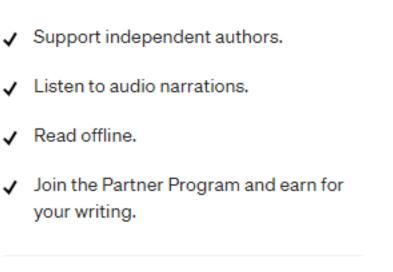
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