How to use Re:VIEW Docker image for digital publishing in Windows

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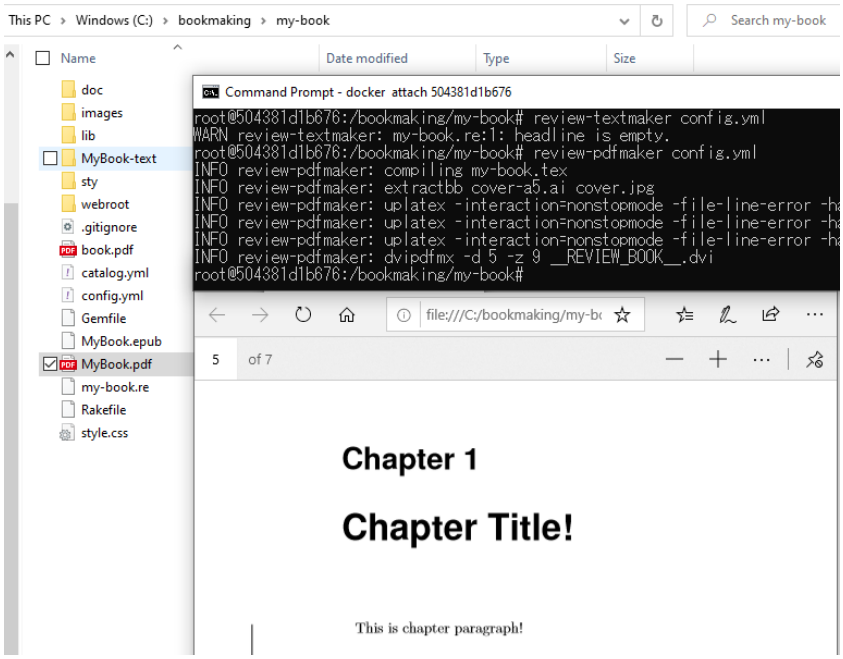
Introduction

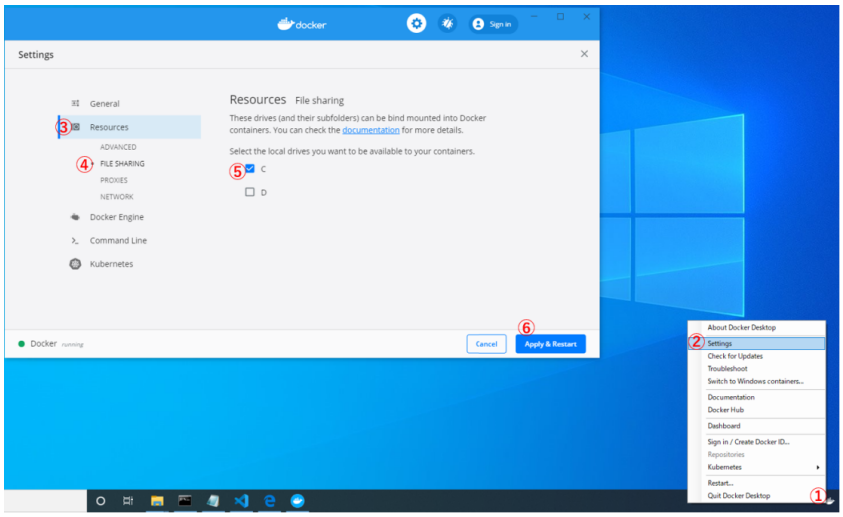


Chapter 1 Introduction

Re:VIEW is one free digital publishing system. We can use it as a Docker image so that it' s easy to try! For starting, if your PC doesn' t have Docker yet, get it installed from the following link.

Docker Desktop

You also should configure Docker for file sharing. The procedure for Windows is like following.



1. Click the docker icon taskbar notification area to show the menu.
2. Select Settings in the menu
3. Select Resources
4. Select FILE SHARING
5. Select the local drive which you will allow to do the file sharing for Docker
6. Click Apply & Restart button

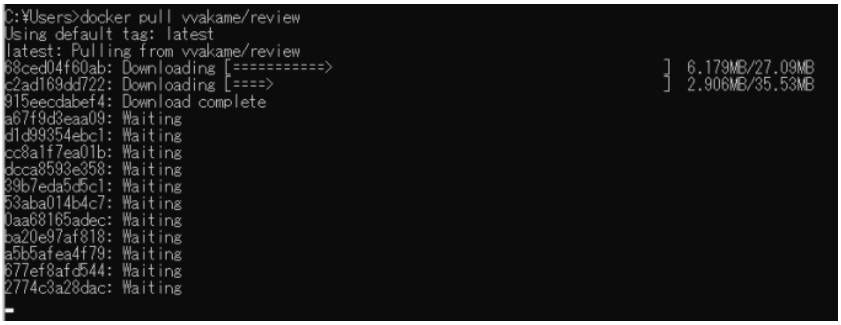
Chapter 2

Pulling the image

To pull Re:VIEW Docker image, run the following command from your command prompt.

```
docker pull vvakame/review
```

In prompt, it will be like this.



It will take some time to finish downloading the all pulled image data, but after it’ s successfully done, it will be like this.

```
C:¥Users>docker pull vvakame/review
Using default tag: latest
latest: Pulling from vvakame/review
68ced04f60ab: Pull complete
c2ad169dd722: Pull complete
915eecdabef4: Pull complete
a67f9d3eaa09: Pull complete
d1d99354ebc1: Pull complete
cc8a1f7ea01b: Pull complete
dcca8593e358: Pull complete
39b7eda5d5c1: Pull complete
53aba014b4c7: Pull complete
0aa68165adec: Pull complete
ba20e97af818: Pull complete
a5b5afea4f79: Pull complete
677ef8afd544: Pull complete
2774c3a28dac: Pull complete
Digest: sha256:89dbf341a289d9d90803a9ea2bde167c5994723b8d8db514a71b795d338e5aed
Status: Downloaded newer image for vvakame/review:latest
docker.io/vvakame/review:latest

C:¥Users>
```

Chapter 3

Run the image with sharing the working folder

Now, You will run the image but you should make and share a working folder for your book making. In following commands, c:\bookmaking folder is created with mkdir command and the folder is shared Re:VIEW Docker image and run.

```
mkdir "creating working folder path. Ex::c:\bookmaking"
docker run -ti -v "created working folder path:/working folder name Ex::c:\bookmaking:/b
```

In prompt, it will be like this.

```
C:¥Users>mkdir c:¥bookmaking

C:¥Users>docker run -ti -v c:¥bookmaking:/bookmaking vvakame/review /bin/bash
root@94553ae01c35:/#
```

Chapter 4

Make your book project

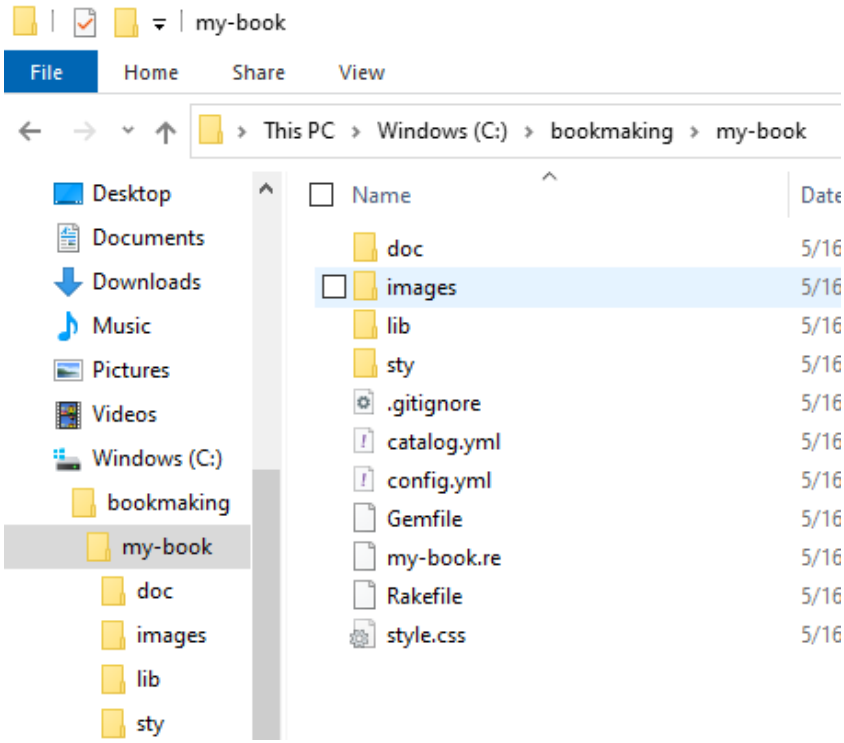
Your are running the Re:VIEW Docker image now. You will make a book project in the shared folder with following commands.

```
cd "working folder name. Ex::\bookmaking"
review-init "book project name. Ex::my-book"
```

In prompt, it will be like this.

```
C:¥Users>docker run -ti -v c:¥bookmaking:/bookmaking vvakame/review /bin/bash
root@504381d1b676:/# cd /bookmaking
root@504381d1b676:/bookmaking# review-init my-book
root@504381d1b676:/bookmaking#
```

Because the book project is created in the shared folder, you can see it from Windows Explorer like this.


my-book
File
Home
Share
View
This PC
Windows (C:)
bookmaking
my-book
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
bookmaking
my-book
doc
images
lib
sty
Name
Date
doc
images
lib
sty
.gitignore
catalog.yml
config.yml
Gemfile
my-book.re
Rakefile
style.css

Chapter 5

Make the book project

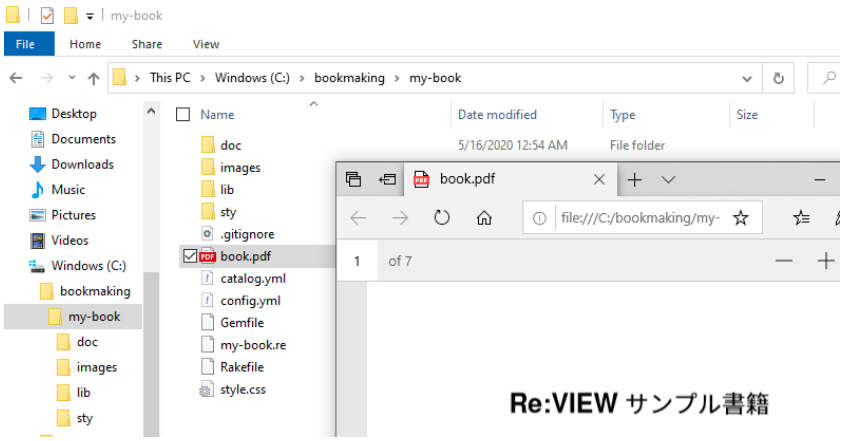
You can make your book now. For making in PDF, use following command to move into the project folder and run the book making.

```
cd "book project name. Ex::my-book"
review-pdfmaker config.yml
```

In prompt, it will be like this.

```
root@504381d1b676:/bookmaking# cd my-book
root@504381d1b676:/bookmaking/my-book# review-pdfmaker config.yml
INFO review-pdfmaker: compiling my-book.tex
WARN review-pdfmaker: my-book.re:1: headline is empty.
INFO review-pdfmaker: extractbb cover-a5.ai cover.jpg
INFO review-pdfmaker: uplatex -interaction=nonstopmode -file-line-error -halt-on-error __REVIEW_BOOK__.tex
INFO review-pdfmaker: uplatex -interaction=nonstopmode -file-line-error -halt-on-error __REVIEW_BOOK__.tex
INFO review-pdfmaker: uplatex -interaction=nonstopmode -file-line-error -halt-on-error __REVIEW_BOOK__.tex
INFO review-pdfmaker: dvipdfmx -d 5 -z 9 __REVIEW_BOOK__.dvi
root@504381d1b676:/bookmaking/my-book#
```

Now, you can open the newly created PDF from Explorer.



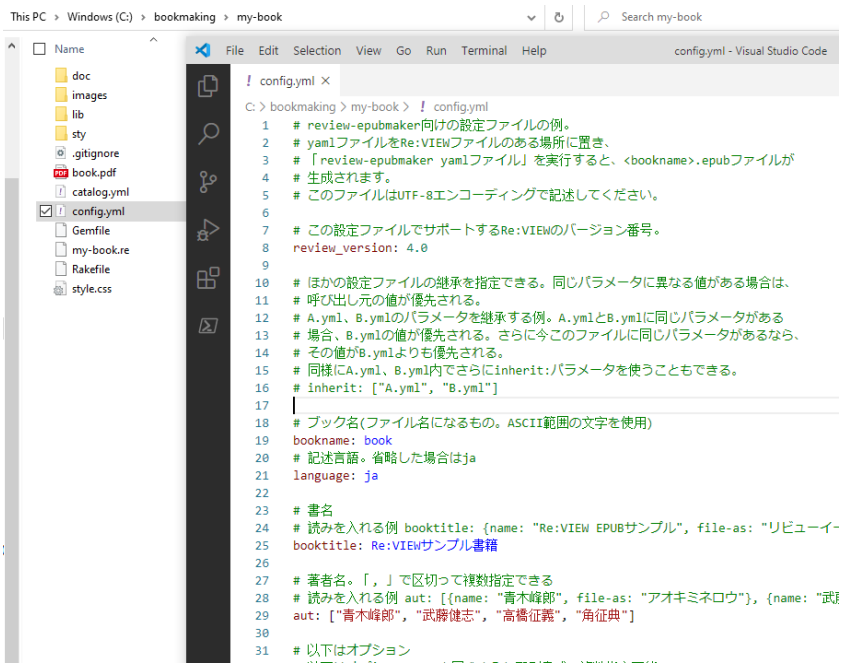
Well, it’s created in the default, in Japanese!

Chapter 6

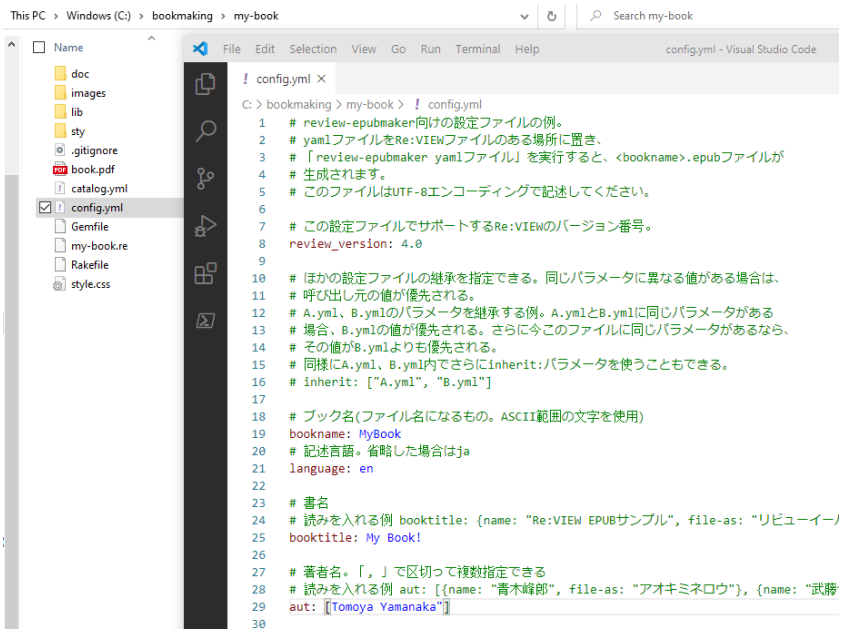
Adjust the project config

Because the system is for Japanese in default, let' s change it to English mode. To do so, we need to edit config.yml file in the project folder. When you open it, it will be like this.

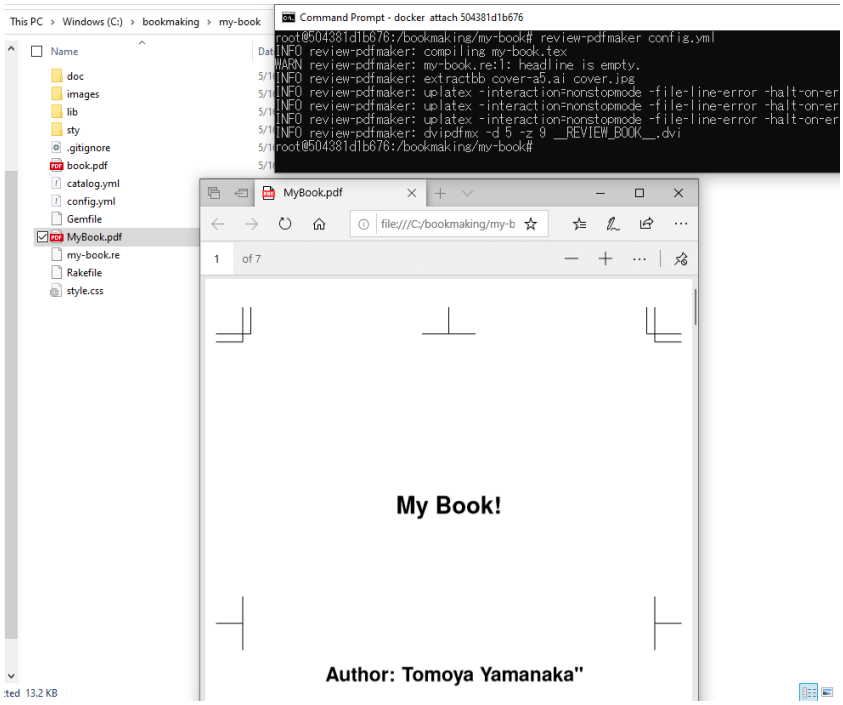
Chapter 6 Adjust the project config



To change the language, replace ja to en after language: in line 21. To change the book file name, replace book to your preferred name “ex:: MyBook” after bookname: in line 19. To change the book title, replace Re:VIEW サンプル書籍 to your preferred title “ex:: My Book!!” after booktitle: in line 25. To change the book auther, replace [“青木峰郎”, “武藤健志”, “高橋征義”, “角征典”] to your name “ex:: [“Tomoya Yamanaka”]” after aut: in line 29. After applying all the changes, config.yml file will be like following.



Let’s run review-pdfmaker config.yml command again to see your book PDF!

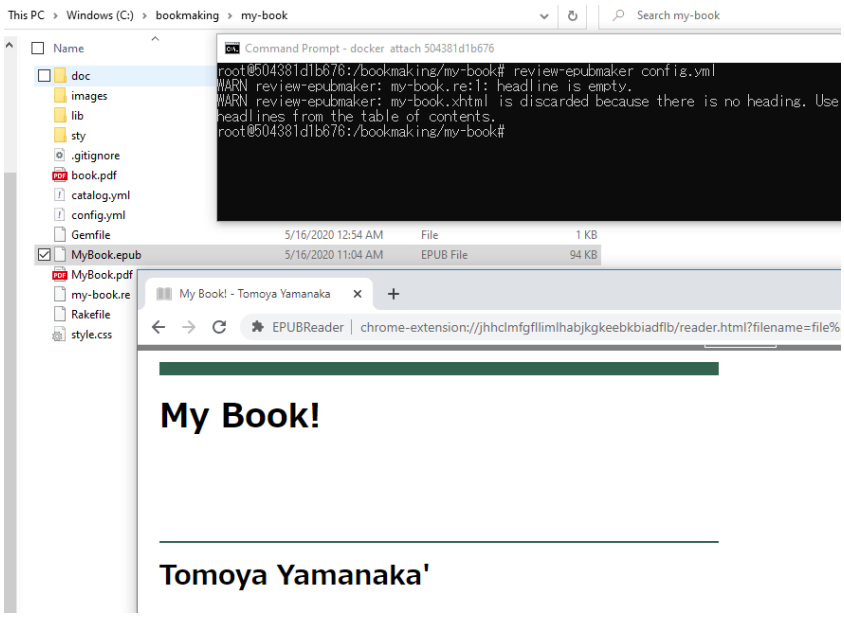


Not only PDF, but also other formats, EPUB, HTML and Text, you can output.

For EPUB, the command is this.

```
review-epubmaker config.yml
```

The created EPUB file is like this.

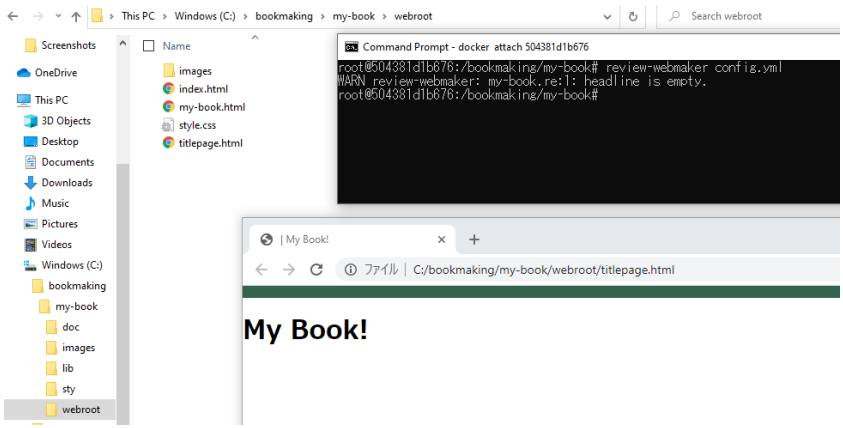


For HTML, the command is this.

```
review-webmaker config.yml
```

The created HTML files are generated in webroot folder. And it' s

like this.

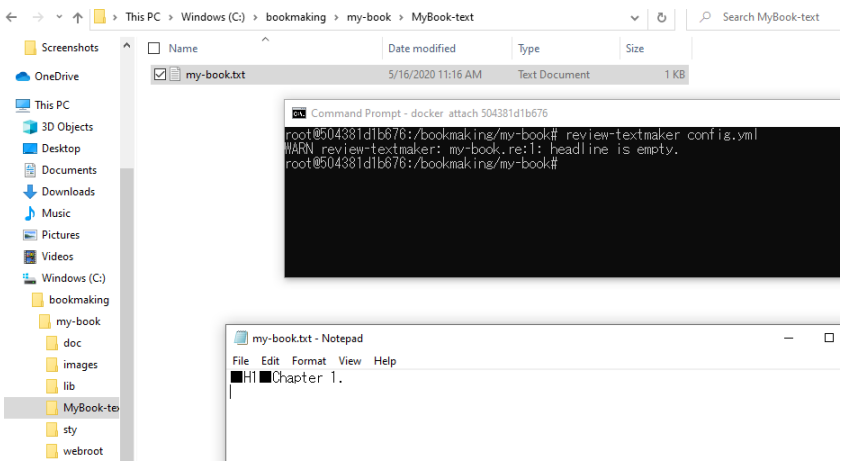


For Text, the command is this.

```
review-textmaker config.yml
```

The created text files are in “book file name”-text folder Ex::MyBook-text. And it’s like this.

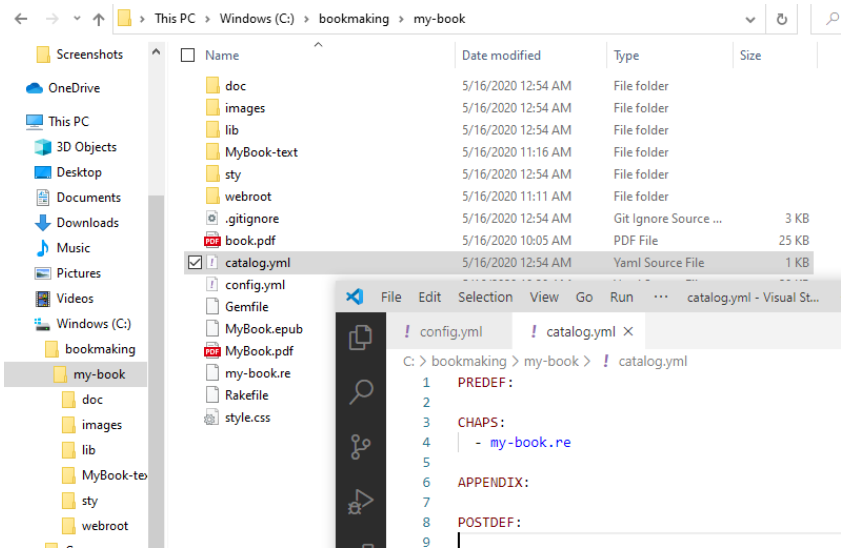
Chapter 6 Adjust the project config



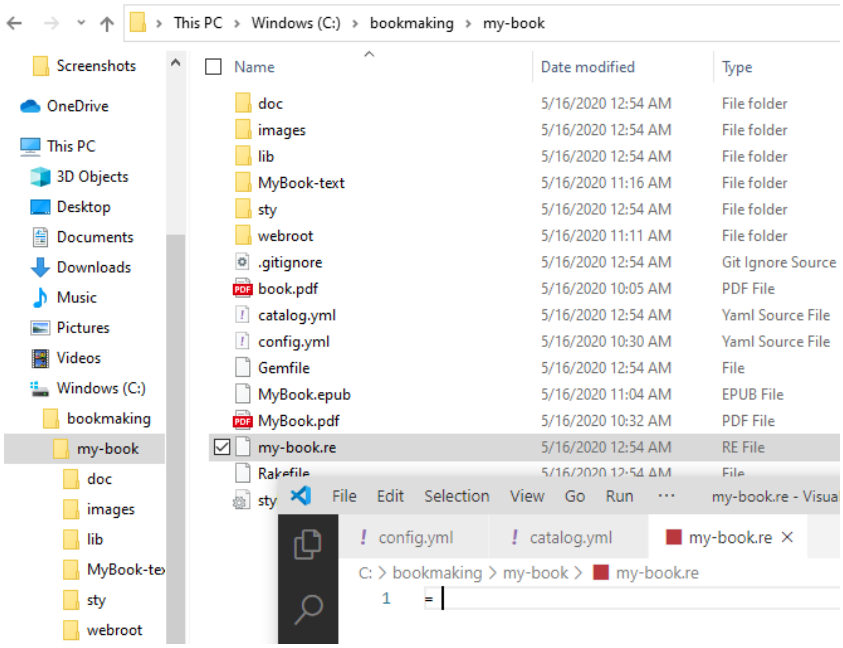
Chapter 7

Add the project content

We now know how to generate book files, but the content is nothing yet. Let's add it! To add book content, open the catalog.yml file in the project folder. It will be like this.



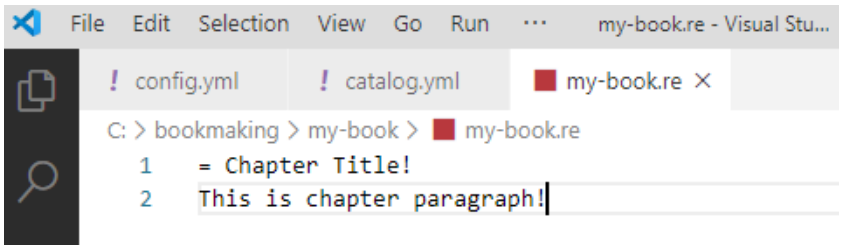
In default, only “book project name” .re is defined in CHAPS: which means chapter. In the example above, my-book.re is the only defined content. It’ s content is this.



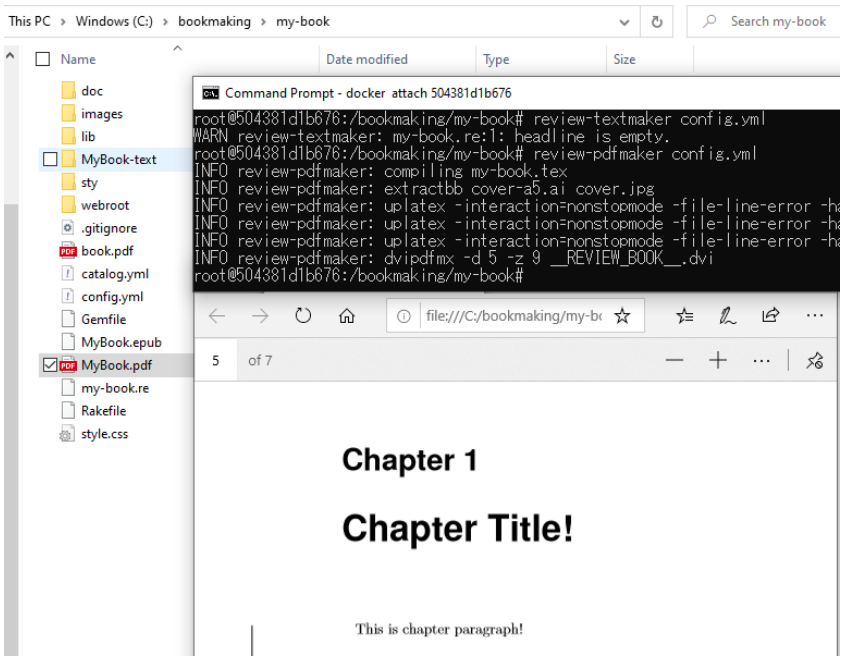
The content is only “= “. Let’ s change it like following.

```
= Chapter Title
This is chapter paragraph!
```

It will be like this.



Then, make the PDF again and check the content.



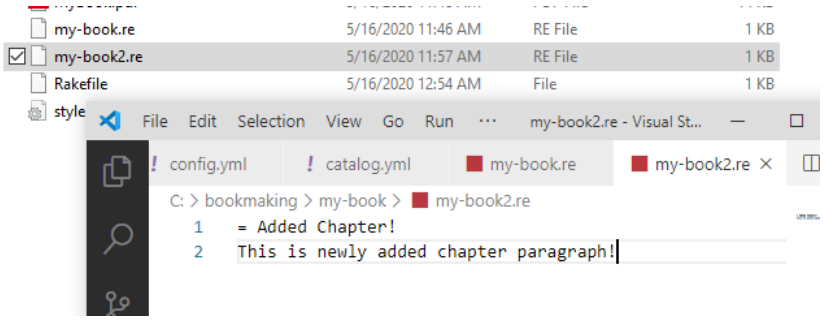
The modification in my-book.re is applied as the update of Chapter 1.

Chapter 7 Add the project content

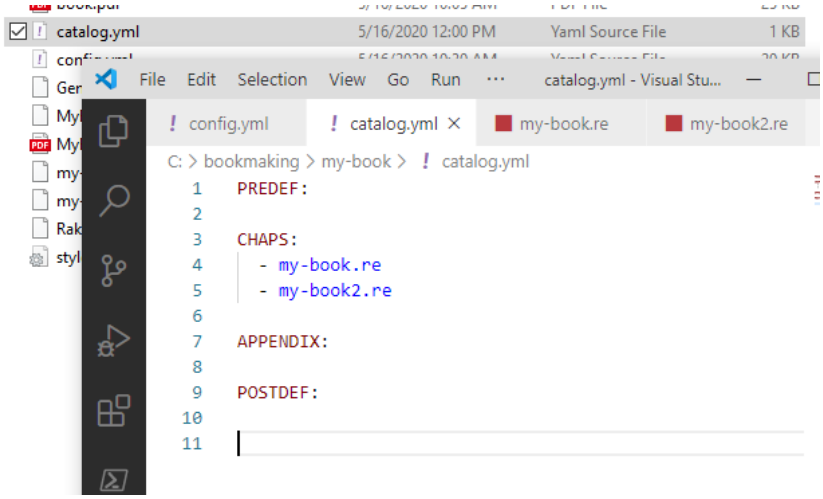
As next step, let’ s make “book project name” 2.re ex::my-book2.re file and set the content like following.

```
= Added Chapter!
This is newly added chapter paragraph!
```

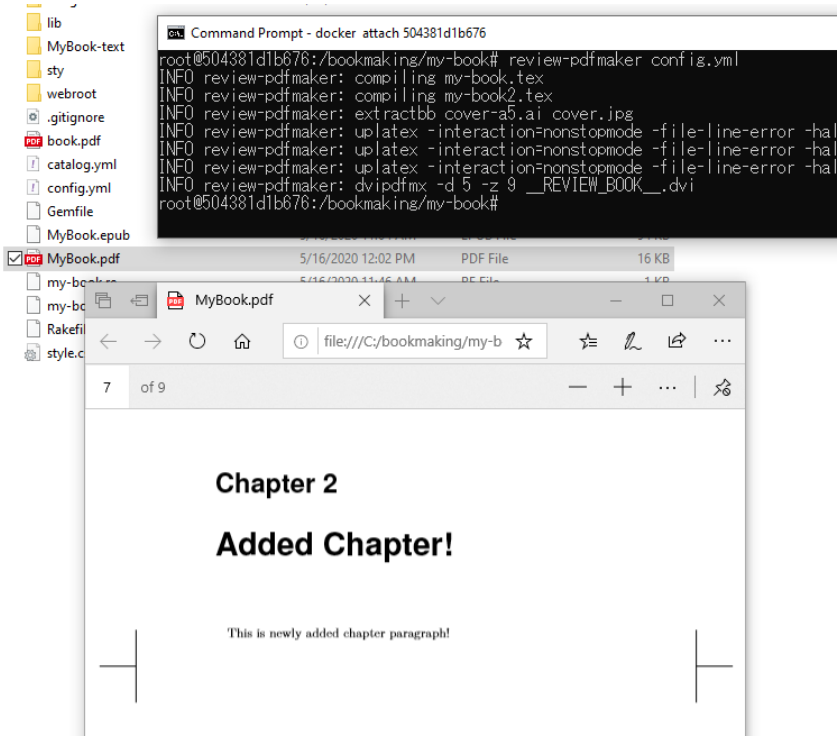
It will be like this.



And add the file name into catalog.yml CHAPS: section. It will be like this.



Note that there is ” – ” before the file name. It is also needed. Then again, make the PDF again and check the content.



Now, new chapter is added.

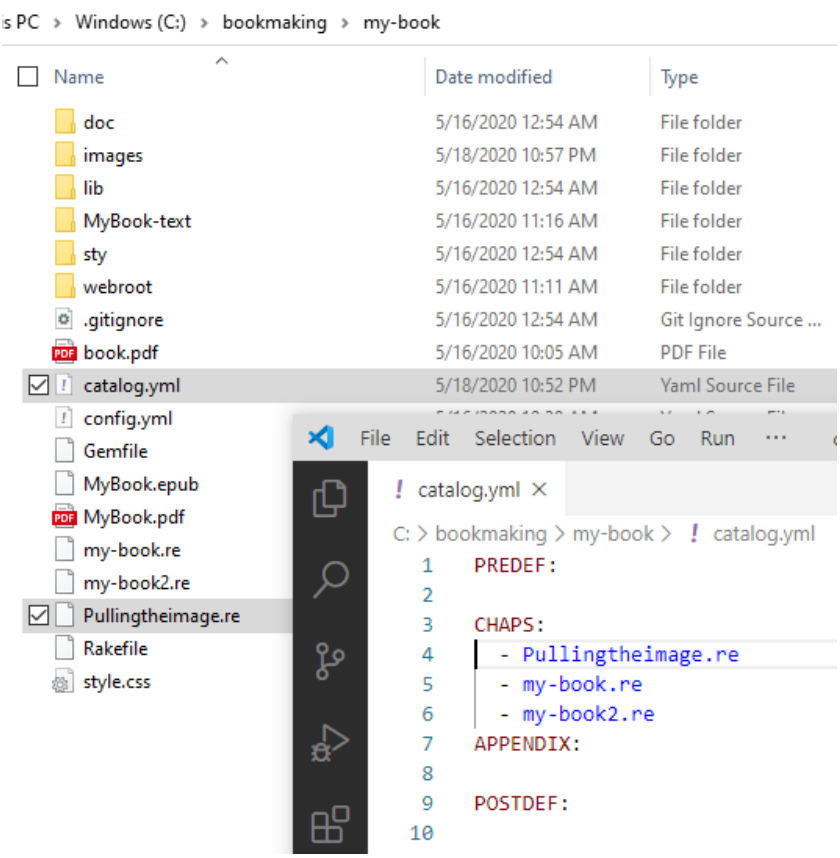
Chapter 8

Decorating the chapters with Re:VIEW markup

To edit the chapters as you want, we need to learn Re:VIEW markup with following official guide page.

Re:VIEW Format Guide

As a example, Let' s convert this page first chapter into Re:VIEW one chapter. To do so, first, we make a new .re file and add it into catalog.yml. It will be like this.



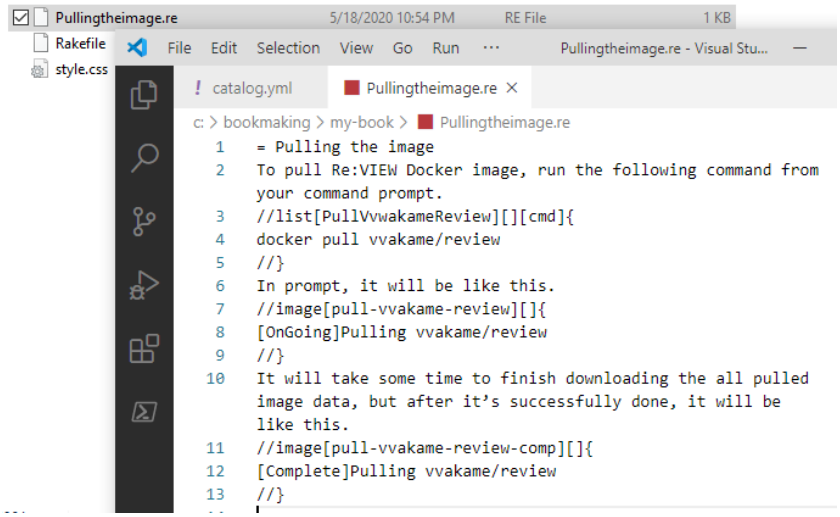
I added Pullingtheimage.re file and inserted the 4th line into catalog.yml.

Second, set the content of Pullingtheimage.re file like following.

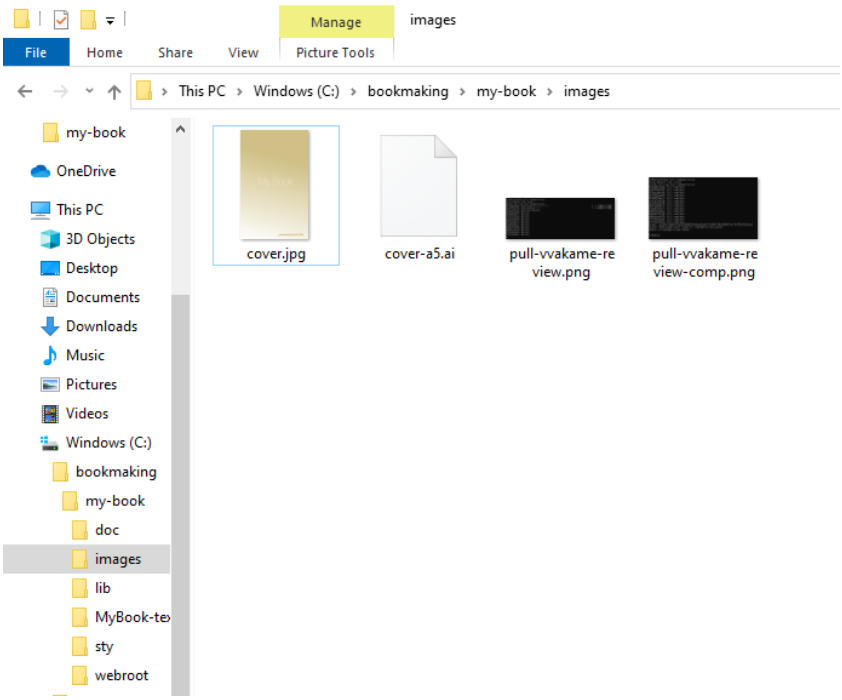
```
 = Pulling the image
 To pull Re:VIEW Docker image, run the following command from your command prompt.
 //list[PullVvwakameReview][][cmd]{
 docker pull vvakame/review
 //}
 In prompt, it will be like this.
 //image[pull-vvakame-review][]{
 [OnGoing]Pulling vvakame/review
 //}
 It will take some time to finish downloading the all pulled image data, but after it'
s successfully done, it will be like this.
 //image[pull-vvakame-review-comp][]{
 [Complete]Pulling vvakame/review
 //}
```

*Note: The example code above might have a space in each line. It's to avoid the example to be processed by Re:VIEW. When you try the example, you need to remove the spaces.

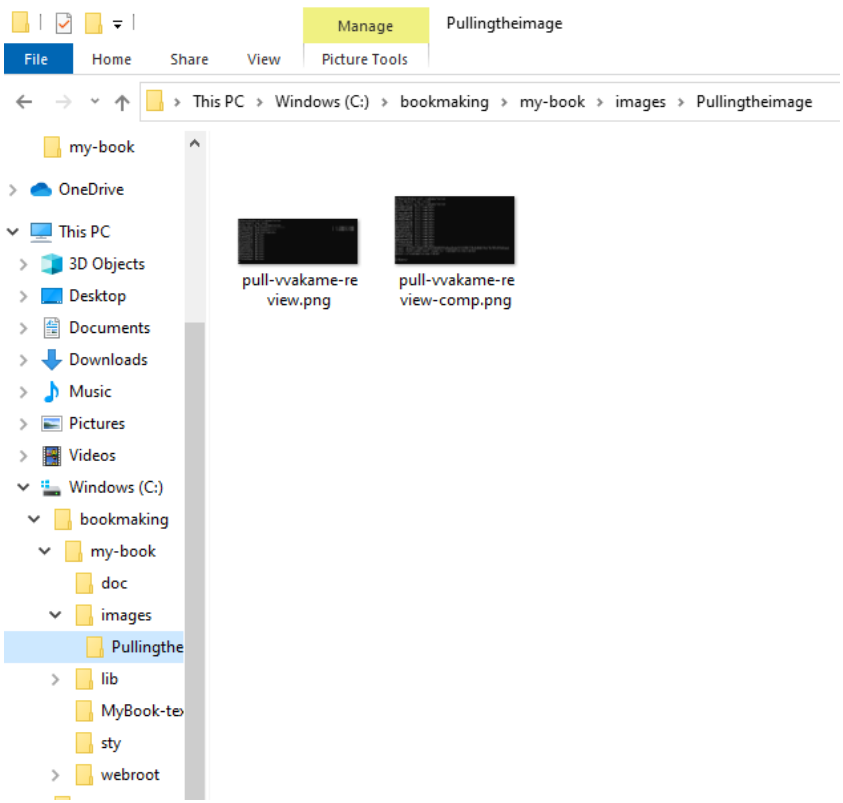
It will be like this.



It has 2 Re:VIEW markups, //list and //image. Please check the detail in the official document page. Last, we need to place the picture files in to images folder in the book project. We can place the picture files. We can place the files in the images folder directory like this. You will notice that the folder has pictures for the book cover as default.



To manage lots of pictures, you can make the chapter file name folder and place files in it. It will be like this. Re:VIEW system automatically retrieve the picture files and compile into one book file.



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