



Subject Name: Fundamentals Of Image Processing
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Group Project
By

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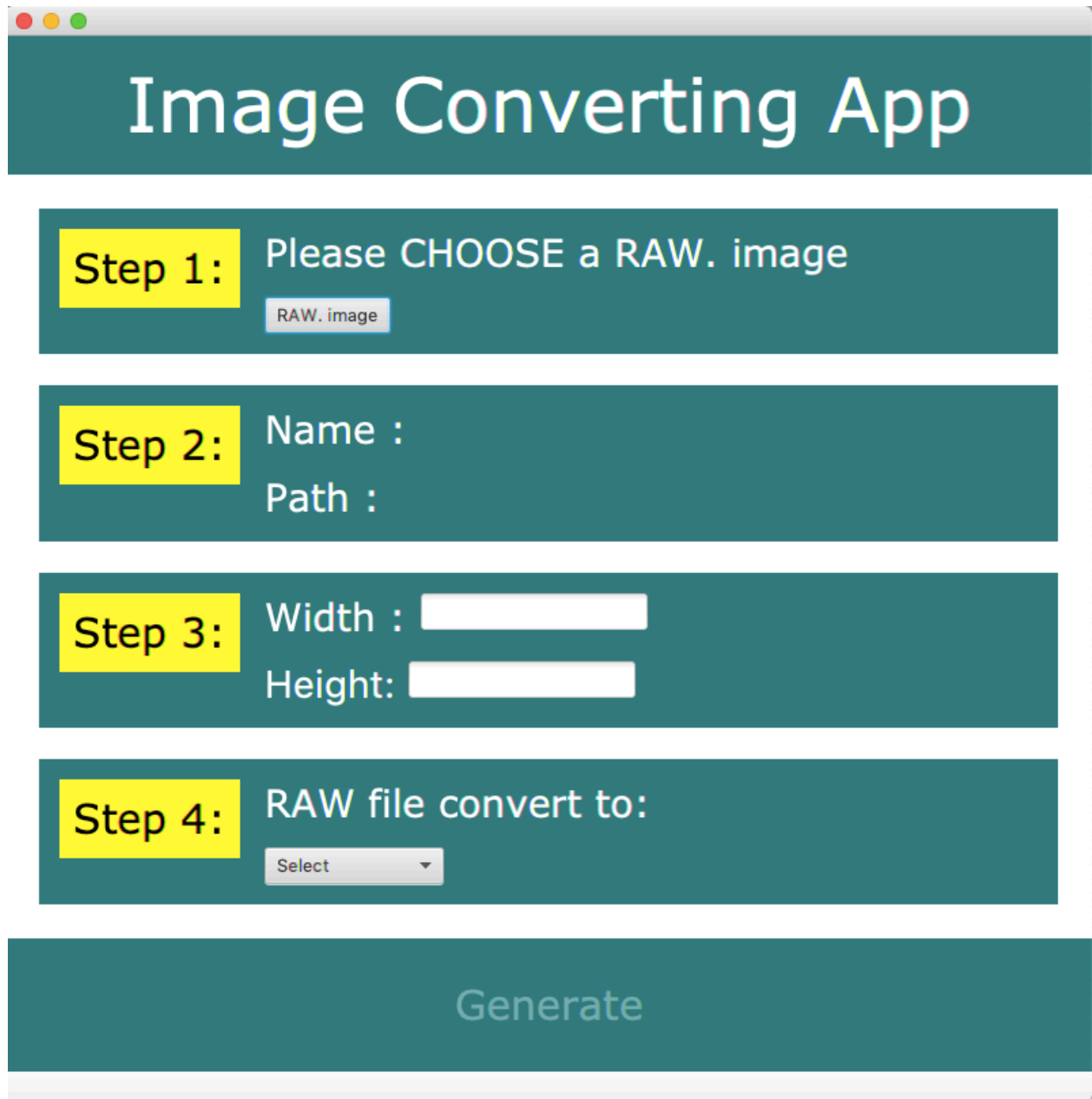
1.Introduction

In this project, I am using the java coding language to produce the application. This application is called as “Image Converting App”. In this application, Teal or Storm-cloud color (#008080) as a background for the selection area and white colour as the whole background for this application.

In this application, it can help users to complete some image processing procedure such as image convert to different type of . In this stage, Image Converting App only can convert raw. format image and it may be upgraded in the future.

In the future, the application can be more professional and have a better looking interface for customer or user use. Then, it may convert different image with different format and image with colour.

2. User Guide



The screenshot displays the 'Image Converting App' interface. It features a title bar with three colored window control buttons (red, yellow, green). The main title 'Image Converting App' is centered in a large white font on a dark teal background. Below the title, the interface is divided into four distinct steps, each with a yellow highlight for the step number and a dark teal background for the instructions:

- Step 1:** Please CHOOSE a RAW. image. Below the text is a button labeled 'RAW. image'.
- Step 2:** Name :
Path :
- Step 3:** Width :
Height:
- Step 4:** RAW file convert to:
Below the text is a dropdown menu with the word 'Select' and a downward arrow.

At the bottom of the interface is a large, dark teal button labeled 'Generate' in a light teal font.

Figure 2.1

In figure 2.1, it is display the main page of this application. It is stated with Step 1 to Step 4 in order to guide the user of this application to complete the procedure of converting image.

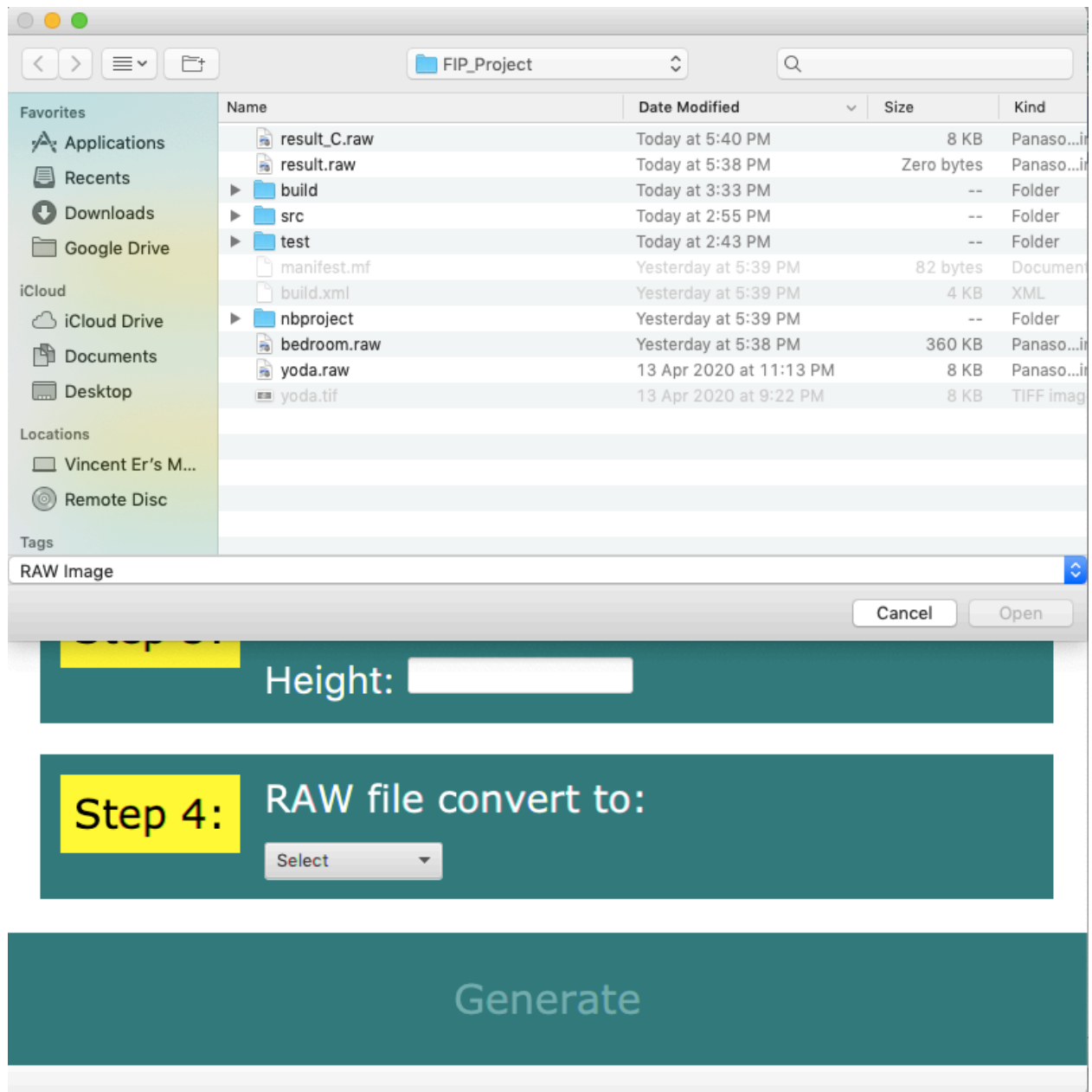


Figure 2.2

In Step 1, user click the “RAW. image” button to import the image which is going to undergo convert procedure. Then, choose the image.

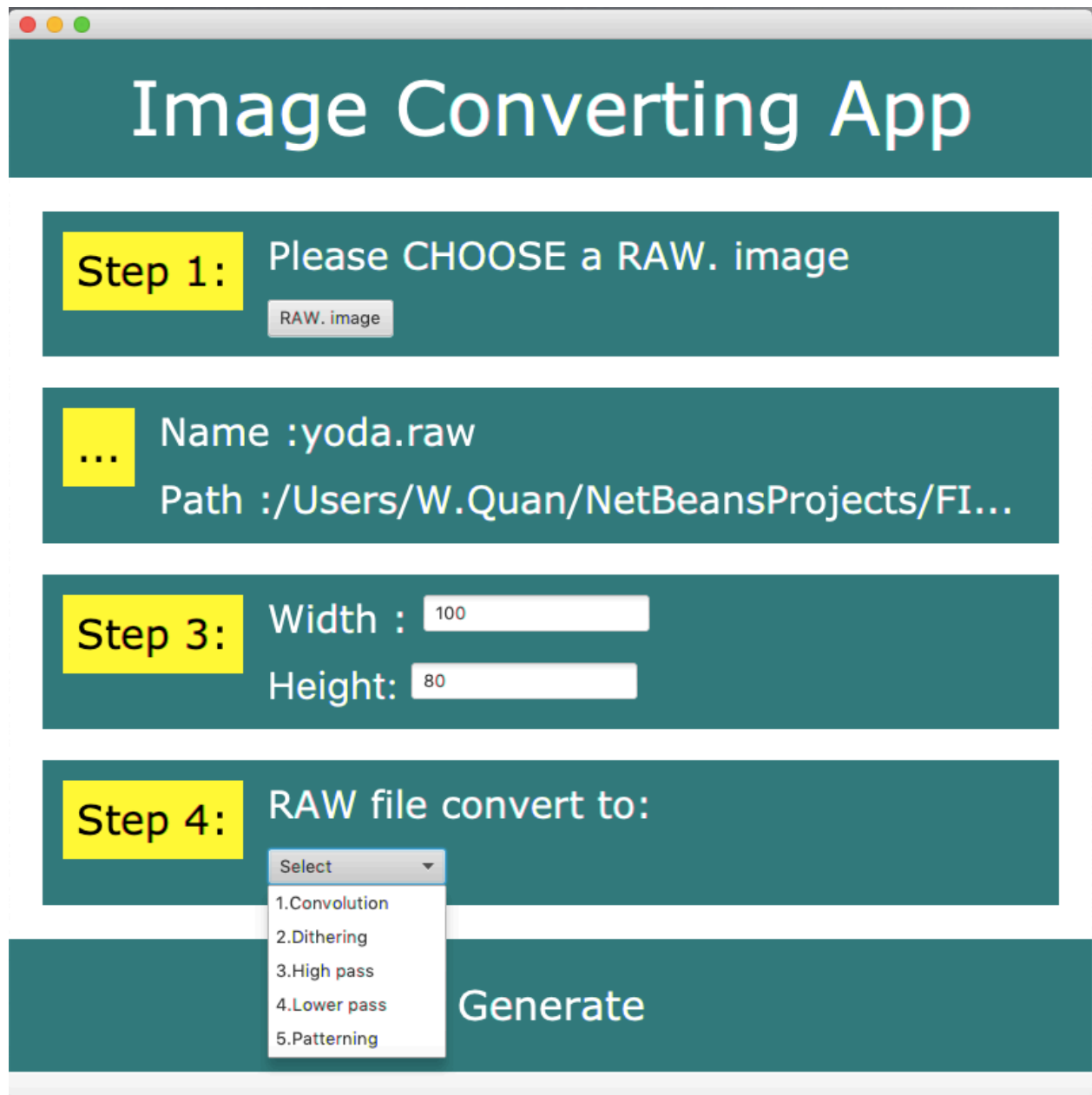


Image Converting App

Step 1: Please CHOOSE a RAW. image

RAW. image

... Name : yoda.raw

Path : /Users/W.Quan/NetBeansProjects/FI...

Step 3: Width : 100

Height: 80

Step 4: RAW file convert to:

Select

- 1.Convolution
- 2.Dithering
- 3.High pass
- 4.Lower pass
- 5.Patterning

Generate

Figure 2.3

After importing the image, Step 2 will show that the image name and the path of the image in users' devices. Step 3, user key in the height and width of the image then continue to Step 4. For Step 4, user can select the converting format and after selection of the format then user click "Generate" to convert image.



Figure 2.4

After process of converting the image, a window will pop up to alert user that the process is done.

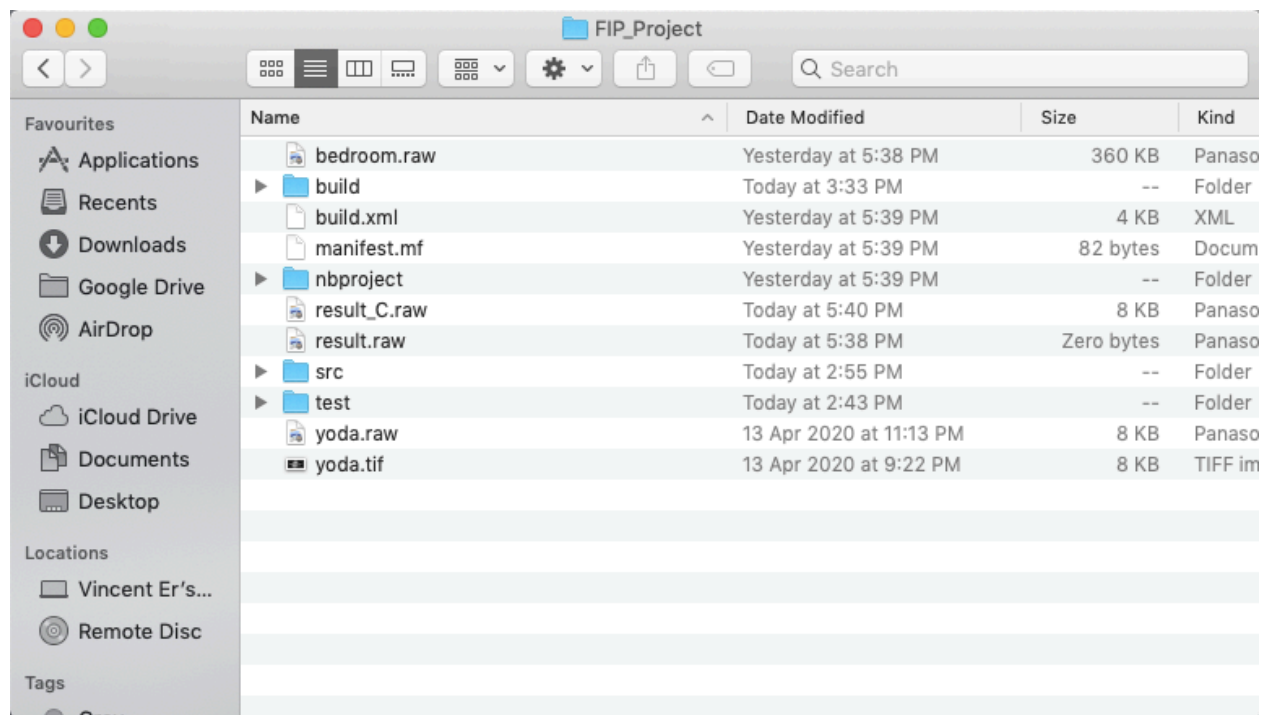


Figure 2.6

After the process done, new raw. image is generated in file.

3.0 Conclusion

As a conclusion, the “Image converting App” may bring benefit and convenience to those who involve in image processing job or needs. I learnt a lot from this assignment or project even through this application still in prototype and testing stage. In the future, I may continue and develop this application to be more complete or try to develop in different language in order to bring convenience to others.