Image Management Tool:

We developed this application using Java and without using any external APIs. Before running the project make the following changes:

1) Images folder containing various images to be uploaded is included in the project folder. Change the path mentioned in the Controller class(displayimage() function).

2) Change the path in the ControllerSave class(saveImage() function)to your location where you want to save the image.

Tasks Done:

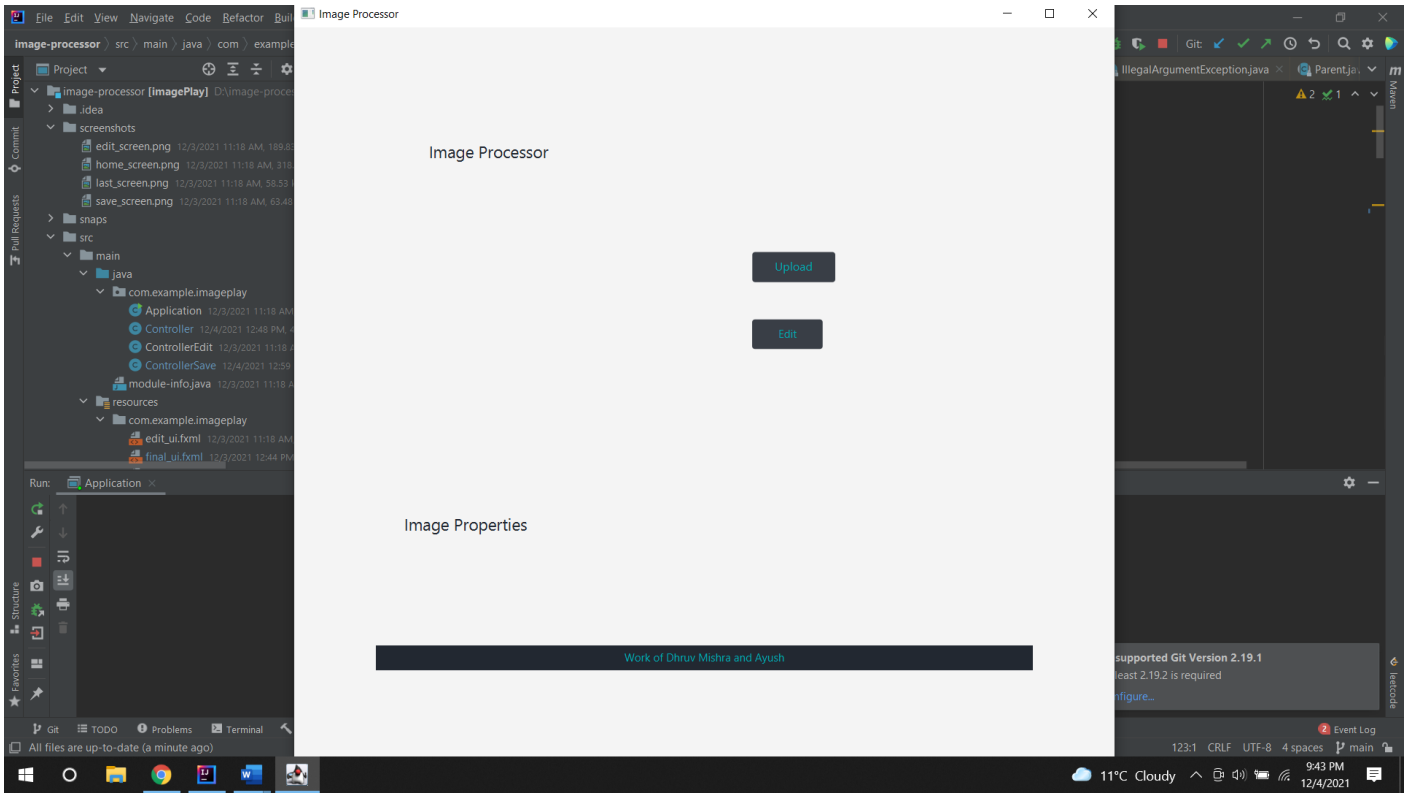
1) Ayush Joshi(joshi.ay@northeastern.edu)-Added functionality for edit scene and save scene. Developed the ControllerEdit, ControllerSave class code. Designed the saveUI scene using scenebuilder.

2) Dhruv Mishra-Added functionality for first scene.Developed the Controller class code. Designed the sample, editUI scenes using scenebuilder.

Working of the Image Management Tool

Step 1:

Run the application to see the first page of application.

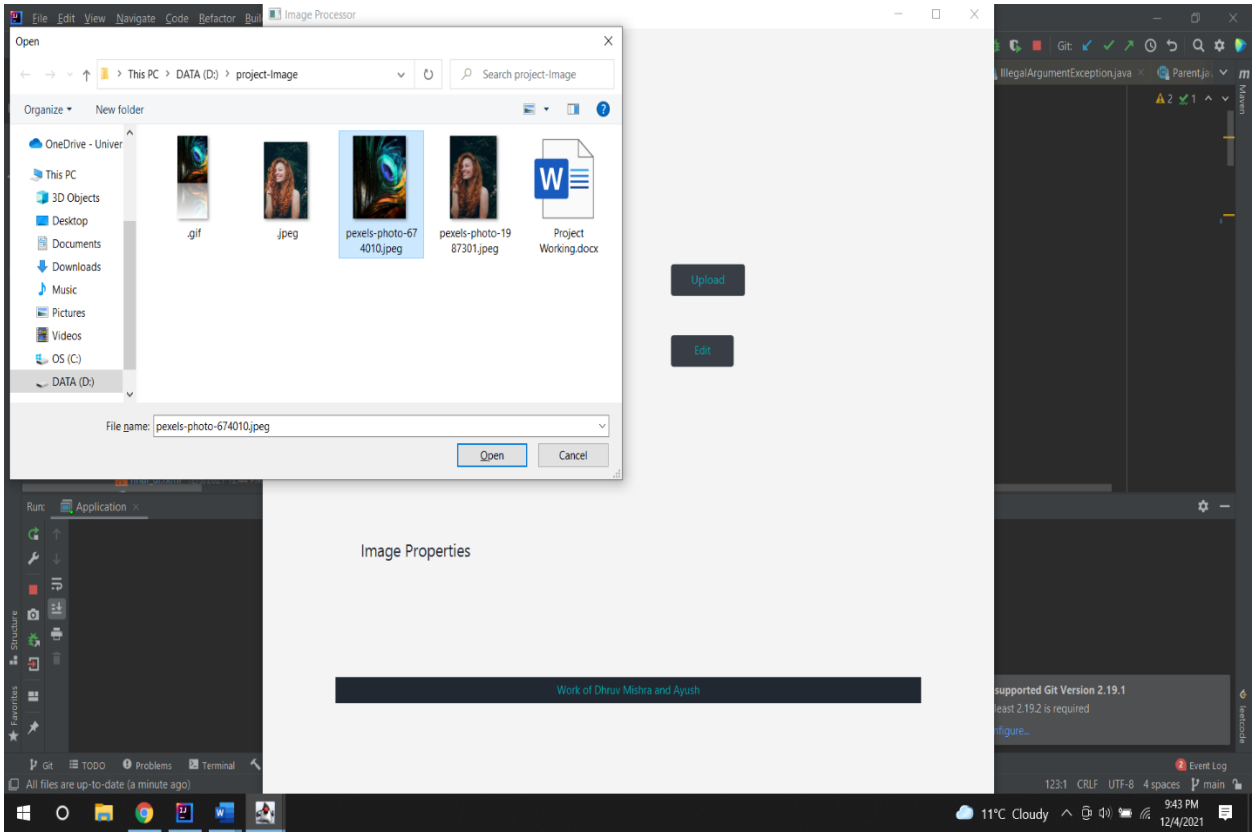


The upload button will prompt to upload an image from the system

Edit button will allow to get various options to edit the image and we can see the properties of the image below the image properties after the selection of the image.

Step 2:

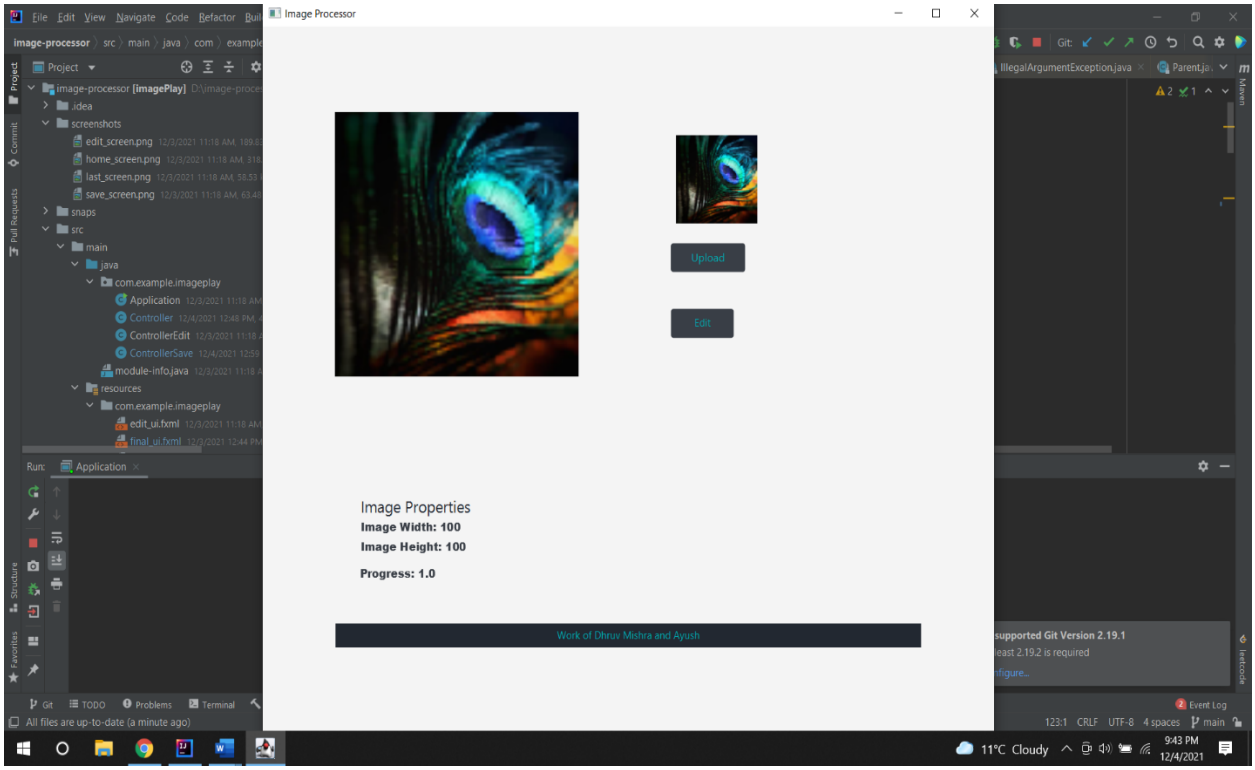
Click on upload button to open a file selection window



After selection of the image from the location we will be able to see the selected image on the canvas of our application.

Step 3:

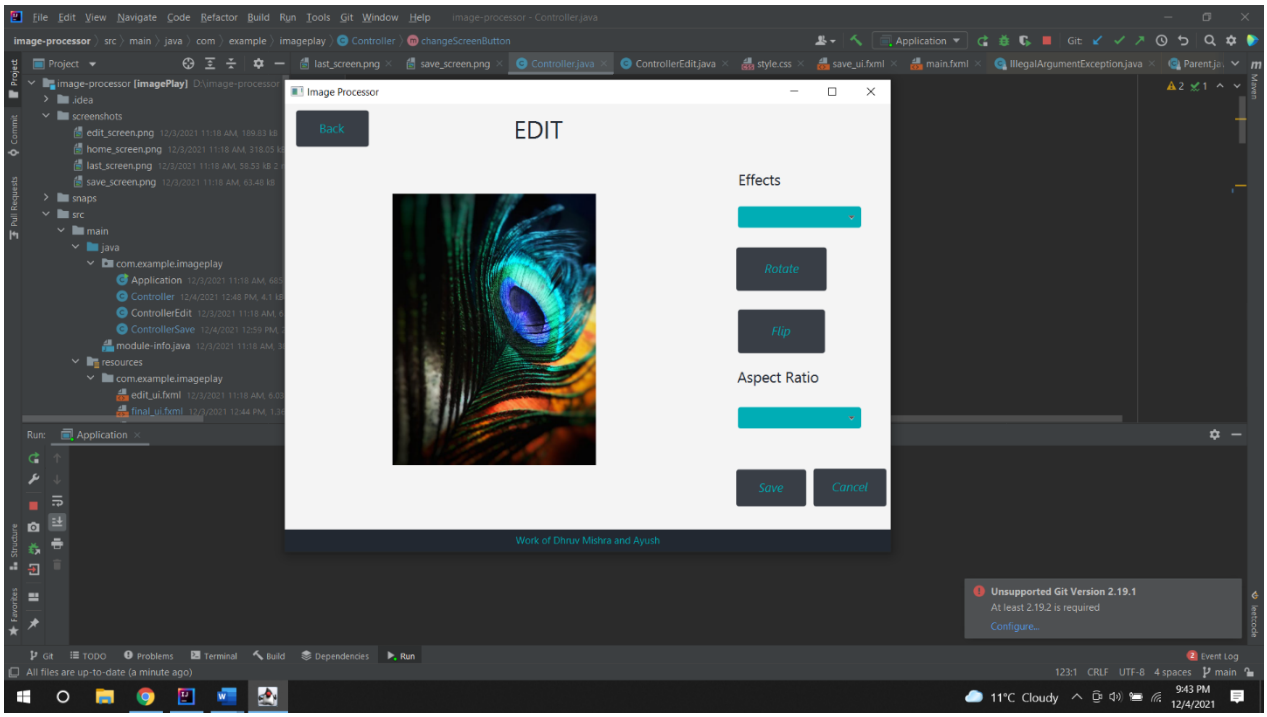
The image is be uploaded and we can see its properties are displayed in the box below



Step 4:

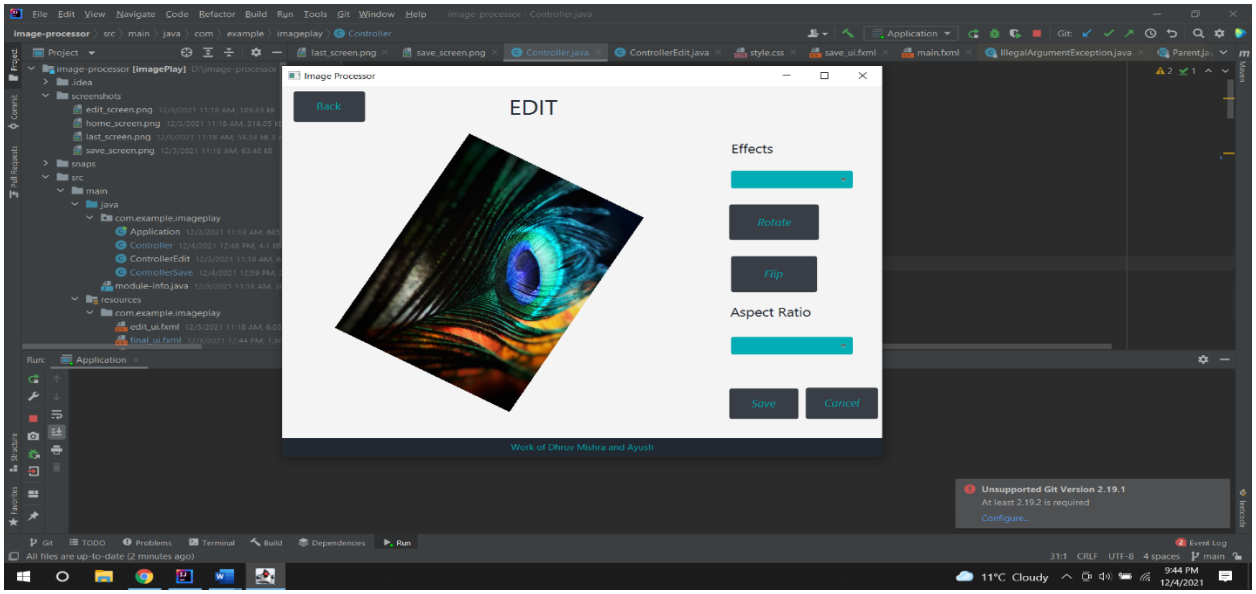
Click on edit image button to edit the selected image

We can apply various edits on the picture like effects, rotate image or flip Image as shown in the screenshot



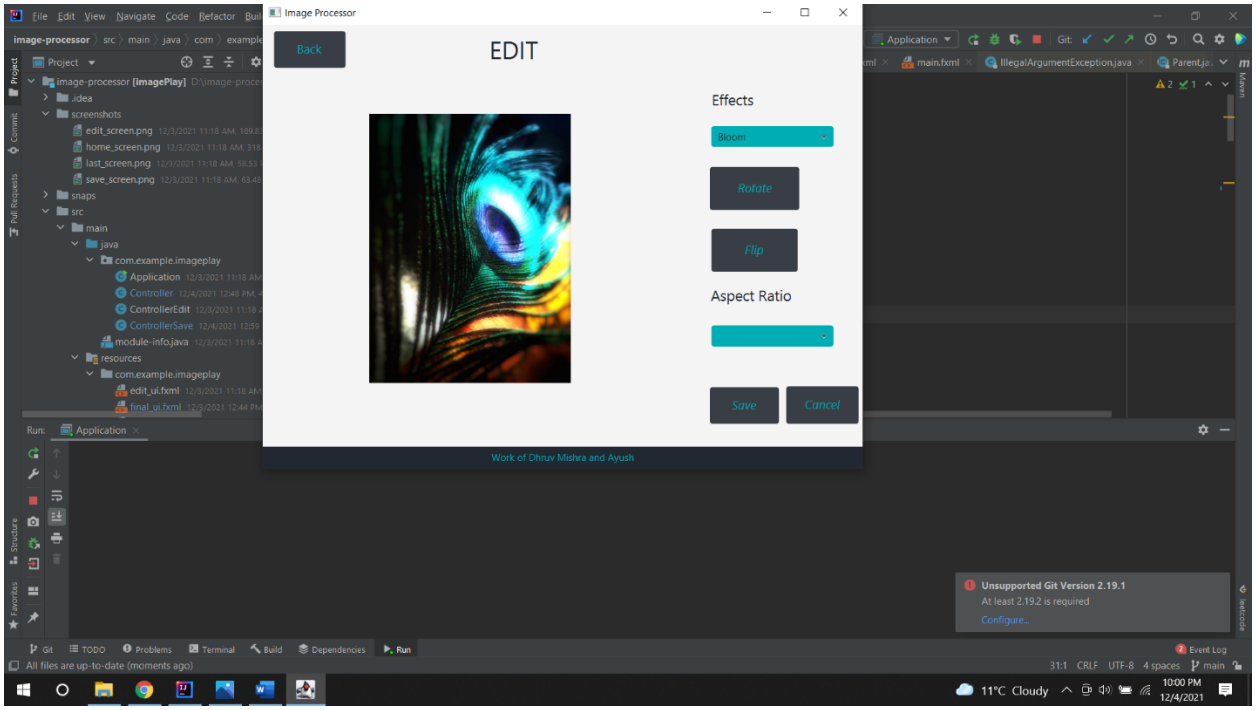
Step 5:

Now let us see the **rotate** functionality, We can see that image is being rotated

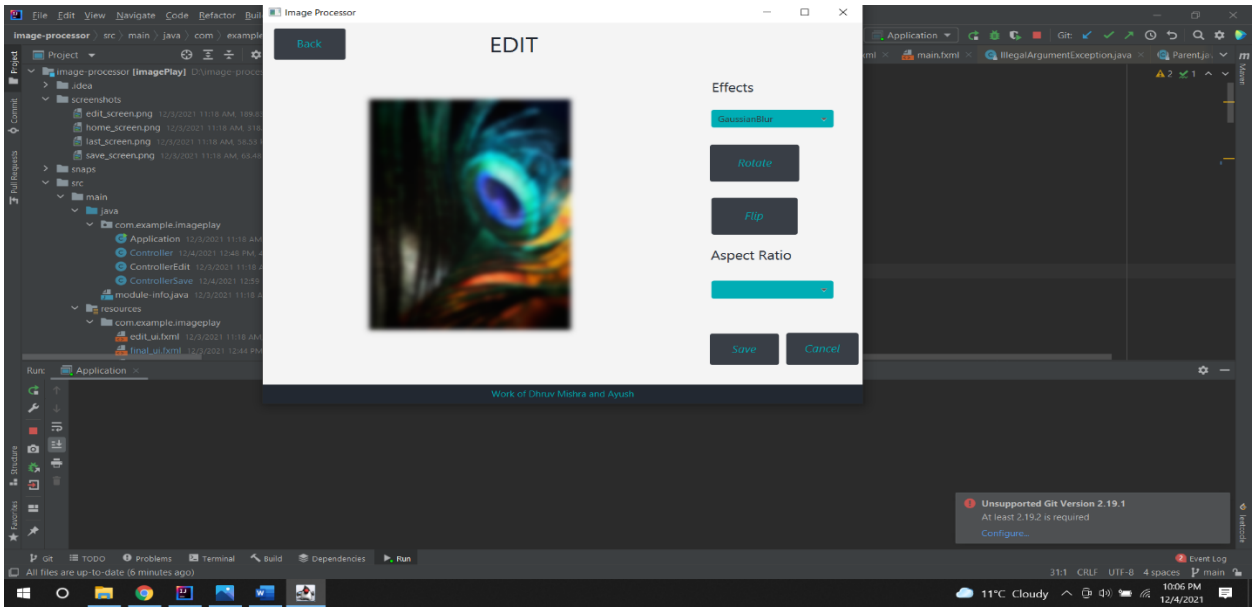


Also, we can see the various filters option and which we can select from the dropdown option

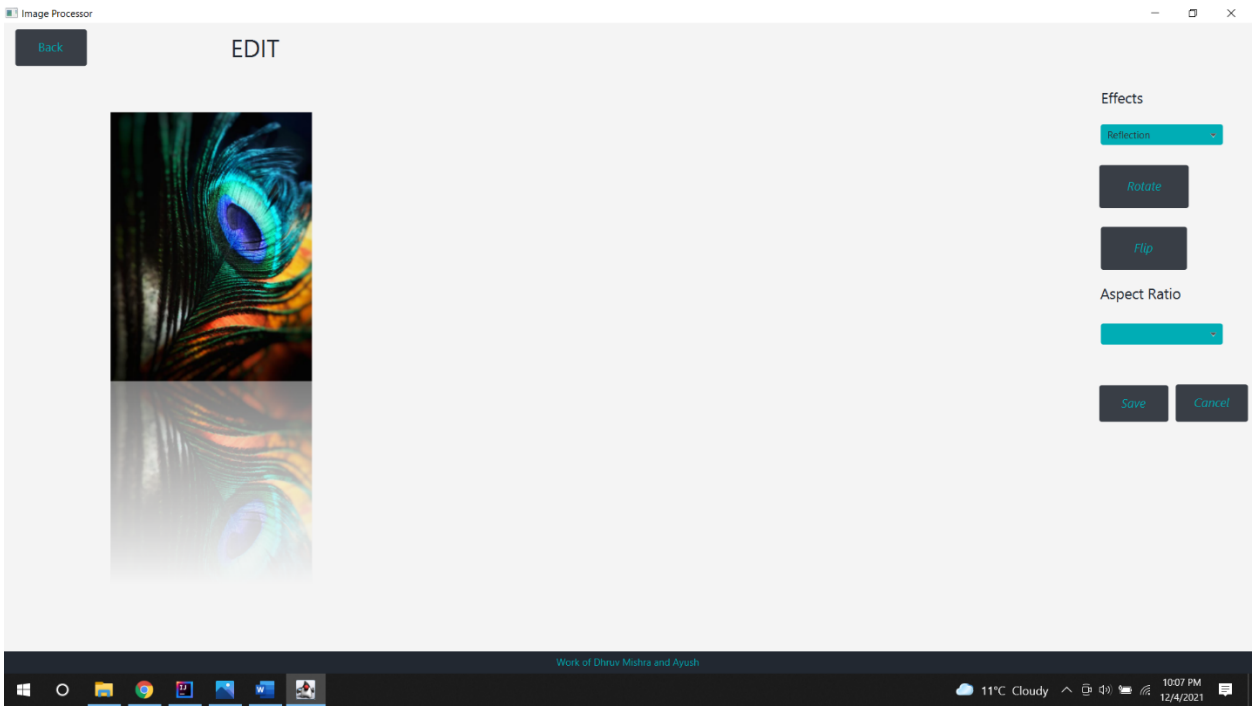
Lets apply **bloom filter** on the image



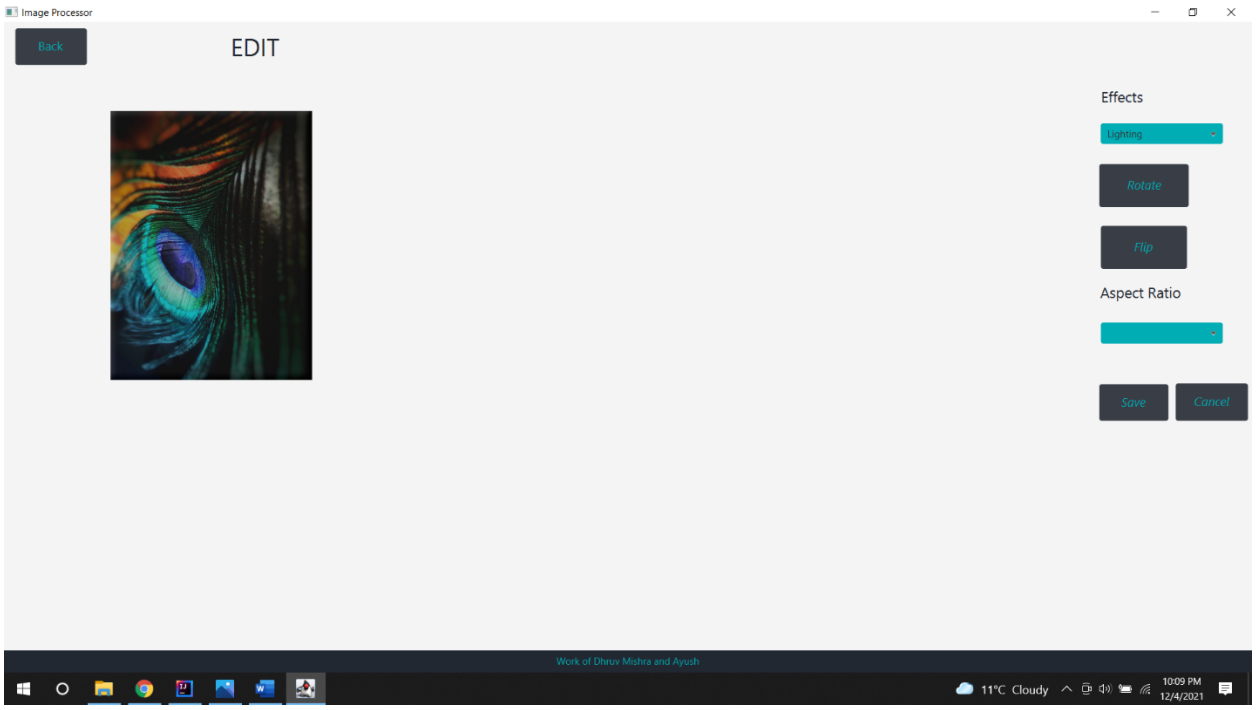
Lets apply **Gaussian blur filter** on the image



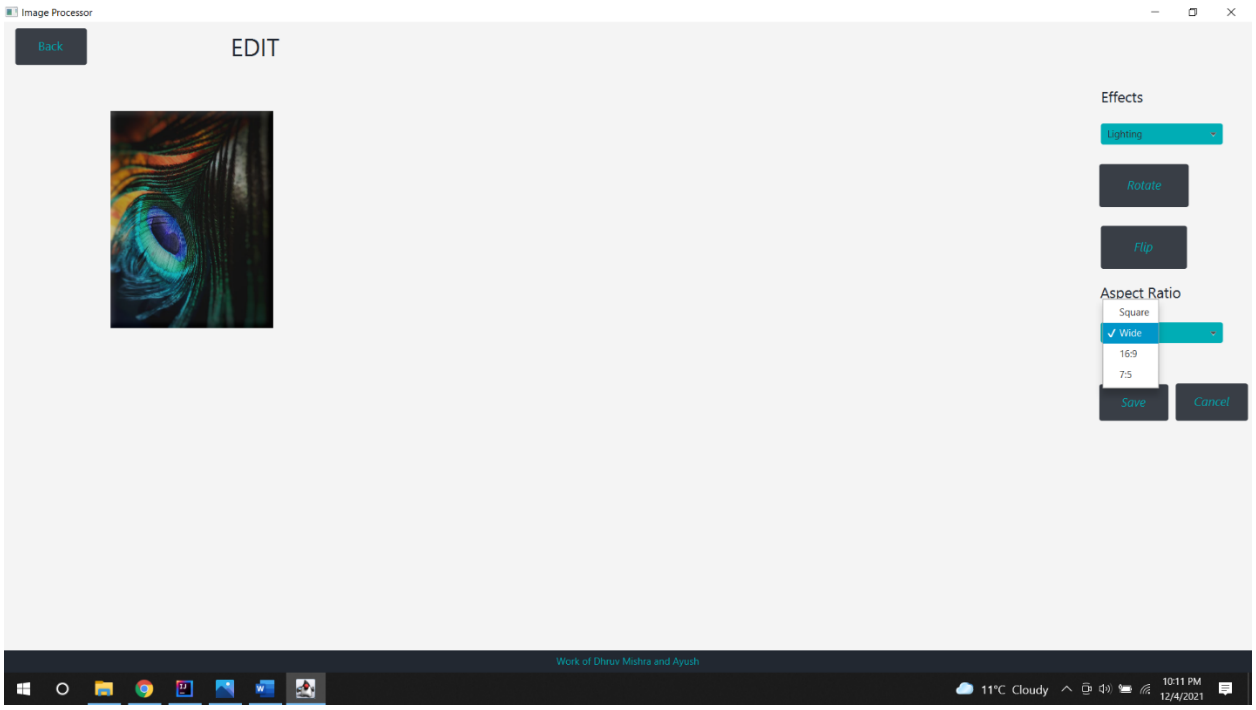
Lets apply **Reflection filter** on the image



Lets **flip the image** using flip option

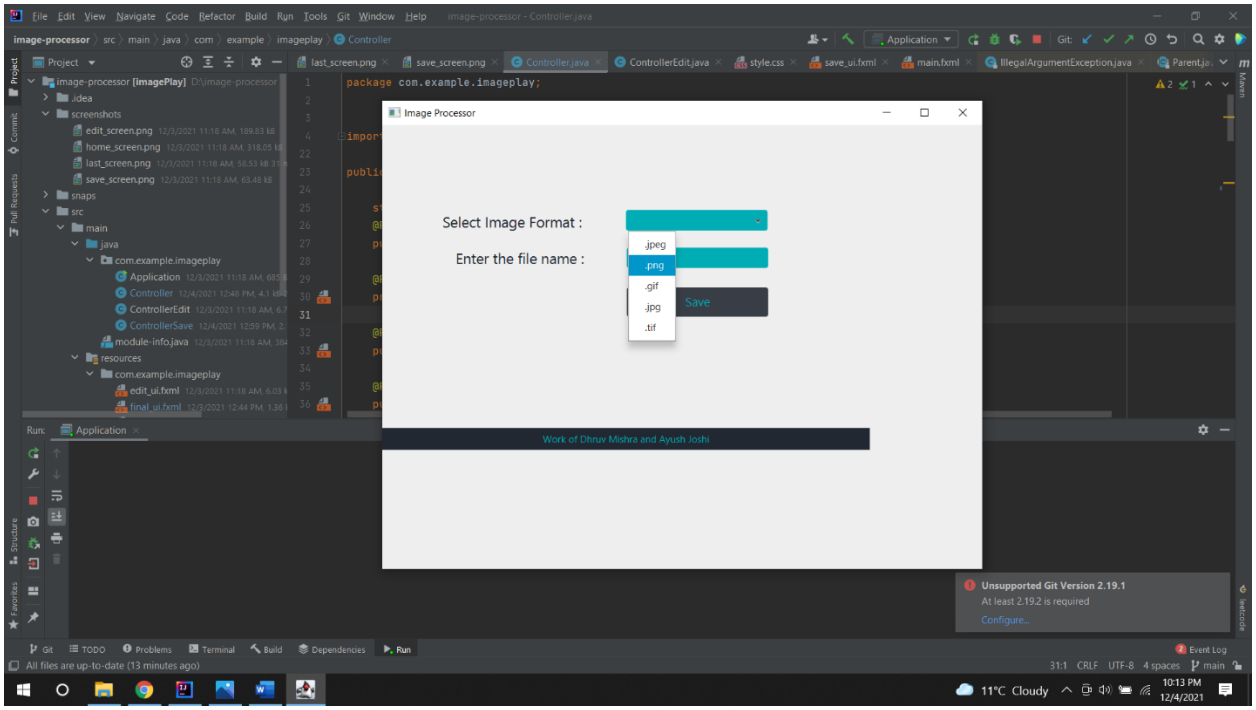


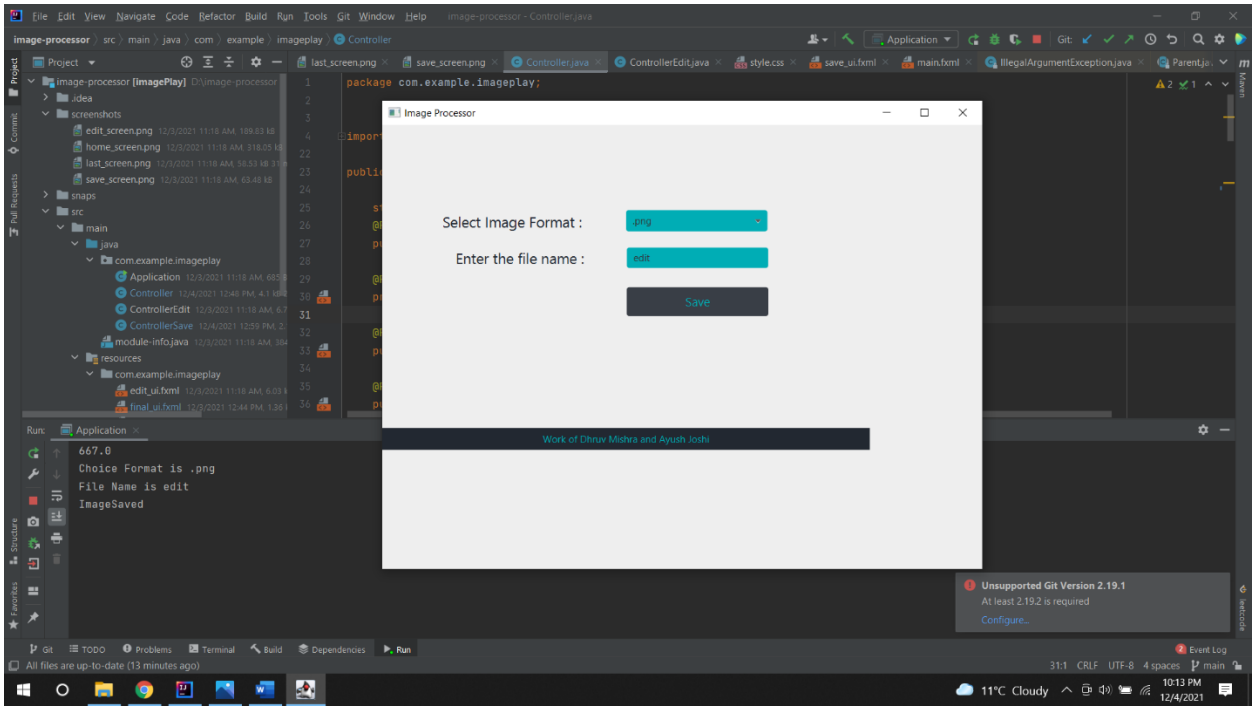
We can also apply various **aspect ratio** to the image.

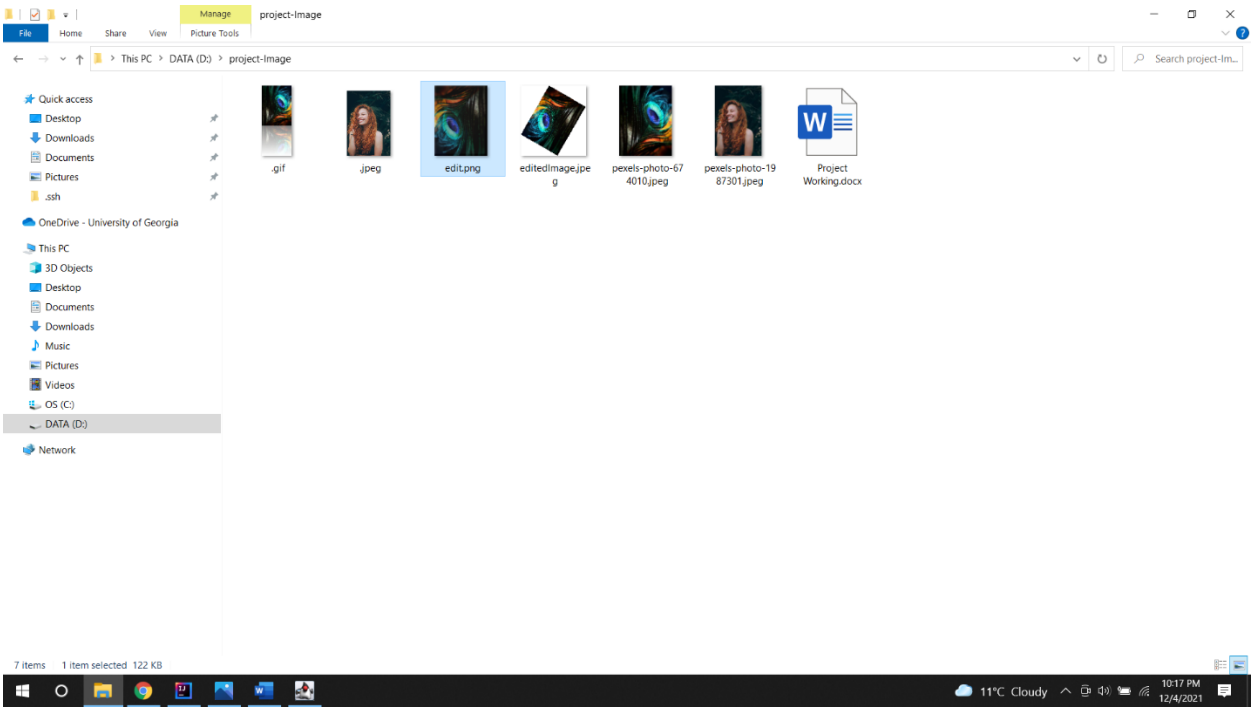


Step 6:

Now by clicking on the save button we can save the image by providing desired file type and name





Step 7:

Now we can see the image has been saved with png format and name is edit in our folder location.