The pics are related using the title of windows

First phase is relating by color. Which gives 2 flower akila daisy and dimorphotheca

As you can see the titles , "Related by color DB1(0) and DB1(1) which means 1st matches from the database.

The second phase is relating color and shape. So the shape will be compared with the flower already matched with the color. This gives DB2(0).

Getting the point?

yes

So now you can test it with other flowers in database and clear your doubts.

You can also ask your questions related to the project codes

can you plez rerun the project again..

.

Sure.

You just need to stop it. and play again

go on

ok got it

if i want

then how can i add more flowers to database?

Give me a few minutes. I'll make some small changes and then you can add them.

there is actually dominant color which needs to be configured for each flower.

I'll ask Palak to guide you on how to decide the dominant color. All you need to do after that is- add your flower's dominant color to DB\_dominantColor variable. and add your flower's name in the imgNames map.

Like you renamed your flower as image(12).jpg

imgNames.put("image(12).jpg","xyz")

here we need to hardcode dominant color so that the algorithm is accurate. Usually it automatically learns if database is big. In smaller database, we can not train the algorithm to decide the dominant color.

Earlier we tried using auto training but the accuracy was very poor. Hence, we were not even able to match the same flowers.Dominant color is a property on basis of which histogram matching takes place.

A histogram is graphical representation of color distribution in an image. Based on frequency of color occurence, we match the flower for slight variations. Here what we did is we found the frequency first and configured the dominant color accordingly. This process will be explained by Palak to you. I'll ask her to get back to you.

Any questions related to GUI or upload feature and linking between projects?

please guide me to the code for the above 3 features of tproject and if any code will be difficult to understand then i will ask you.

GUI- mySwingProject

upload feature- fileChose

linking between projects is done using simple objects

is it ok if i make changes in it or will i have to ask you to do

Yes. You can make changes to GUI. Like changing the window appearance, adding more features etc

Also you can change the way images appear. That is also using java swing. I'll show you the file using which images are shown. This file creates a frame and shows a buffered image in that frame.

The name of image comes as a label as of now. You can surely make any changes to this. Just be careful with the ImageScaler.java and MyProcessor.java file. They are meant for image processing

ok sir

Dont worry much about that function. It is a function to convert and array into image. openCV provides an array as an output. This function converts matrix into bufferred image

ok sir i will show and submit this project today and for viva prepration my partner will talk to palak maam.

We're 91 and 92 born people

It's fine if so high amount of respect isnt awarded

:)

I need to leave. You can ping me or mail me if any help is required.

ok thank you so much i think this project is made exactly as expected but if any problm arises then i might ping u on your skype id

thank you :)

Ok then . Bbye Have a nyc day