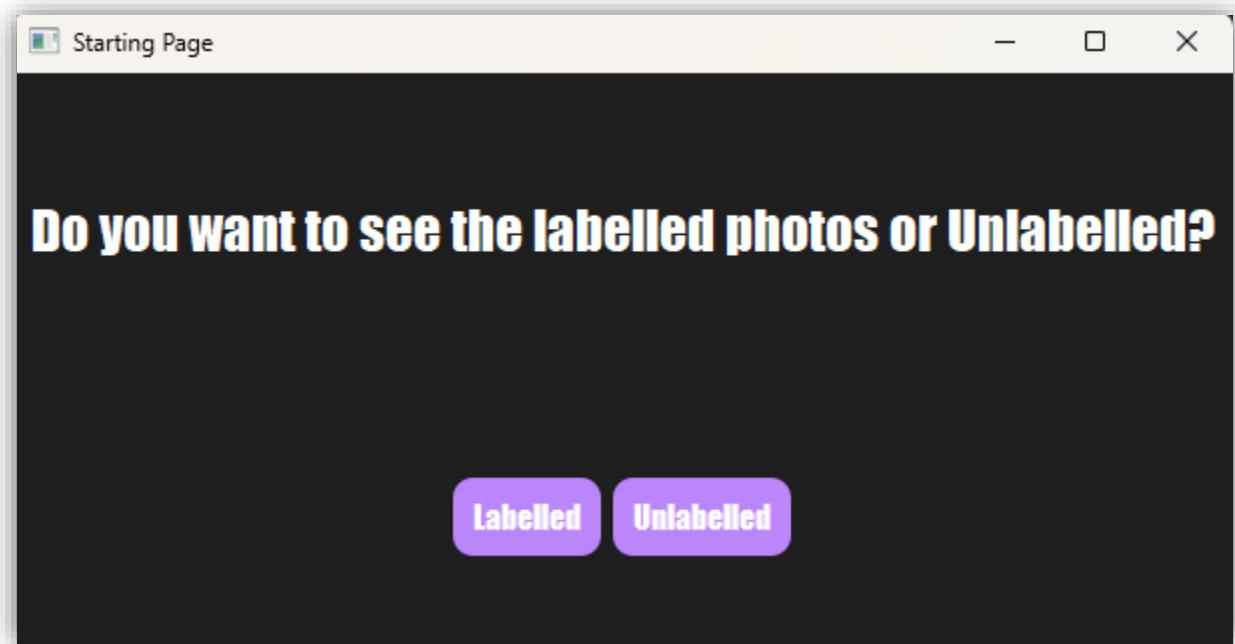


Group 3

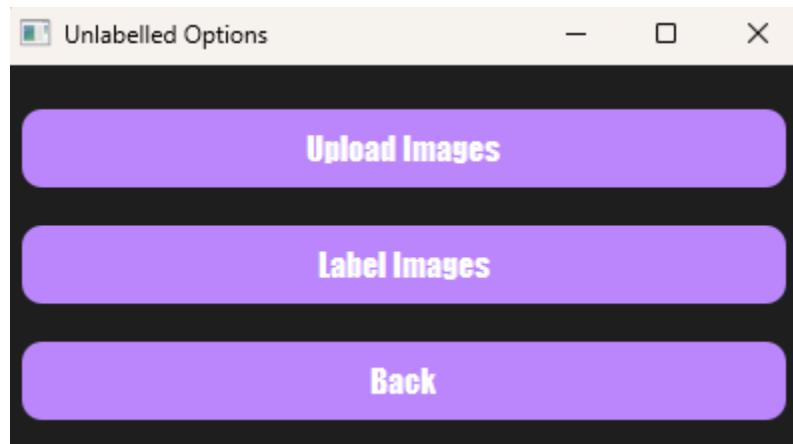
Ebram Thabet – Omar Elwaliely – Mohamed Alashkar – Andrew Aziz

The library tool of facial recognition documentation

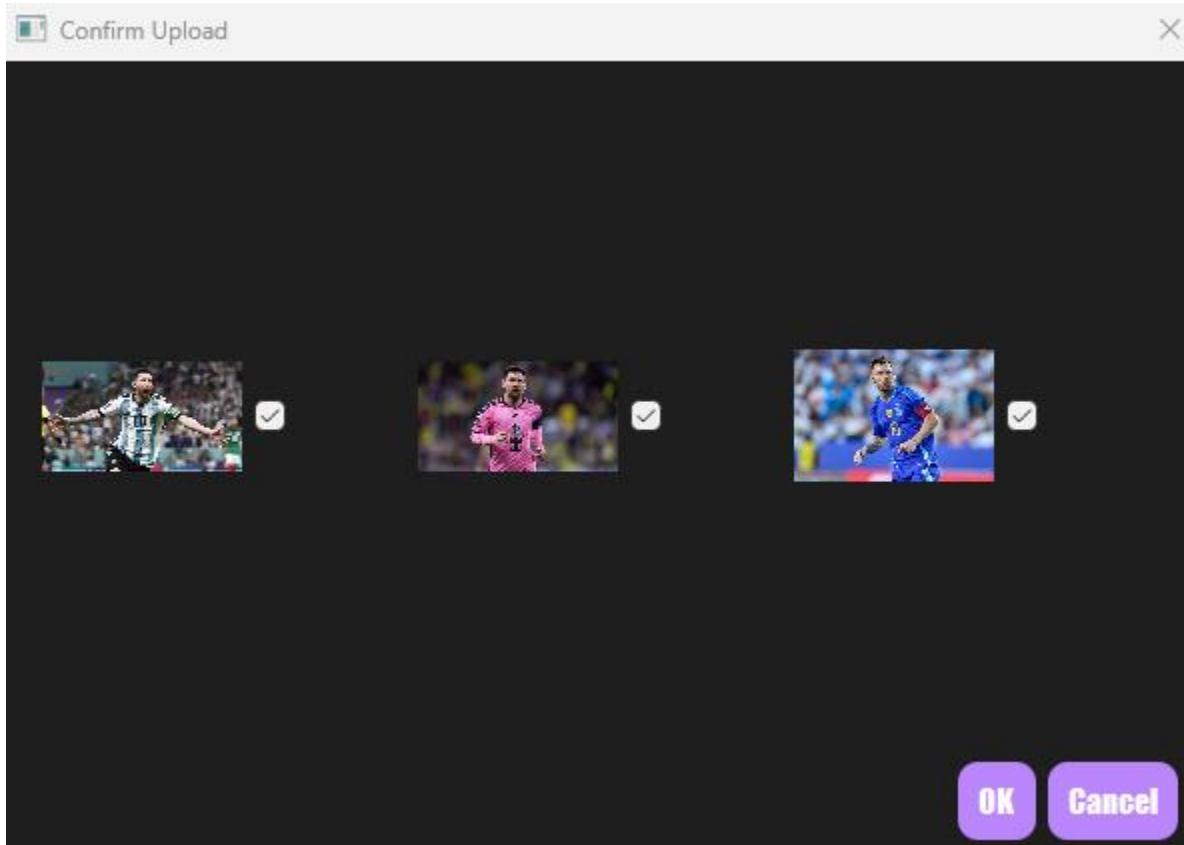
After clicking on the exe file the interface would appear like that:



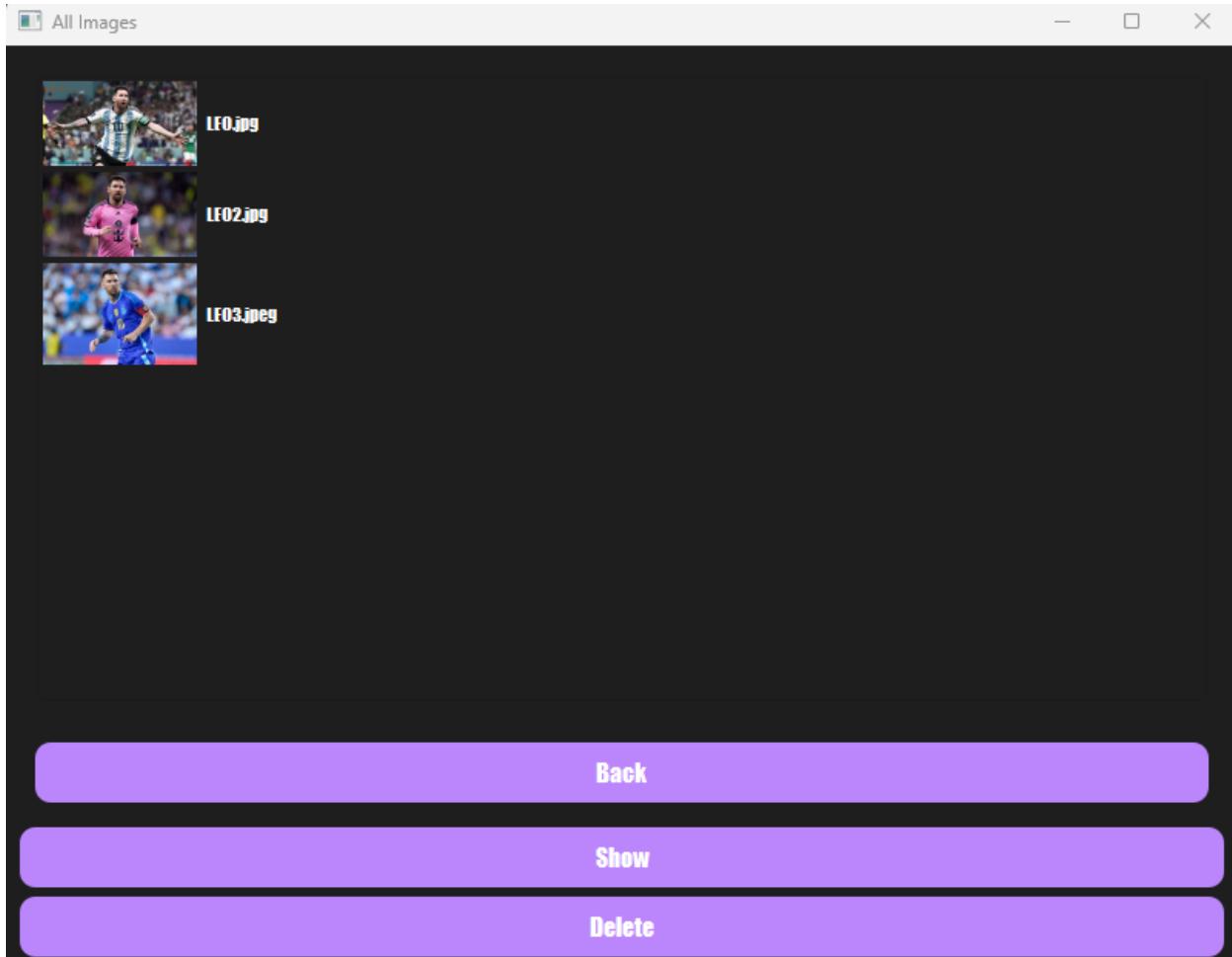
2- If you clicked unlabeled, these options would appear:



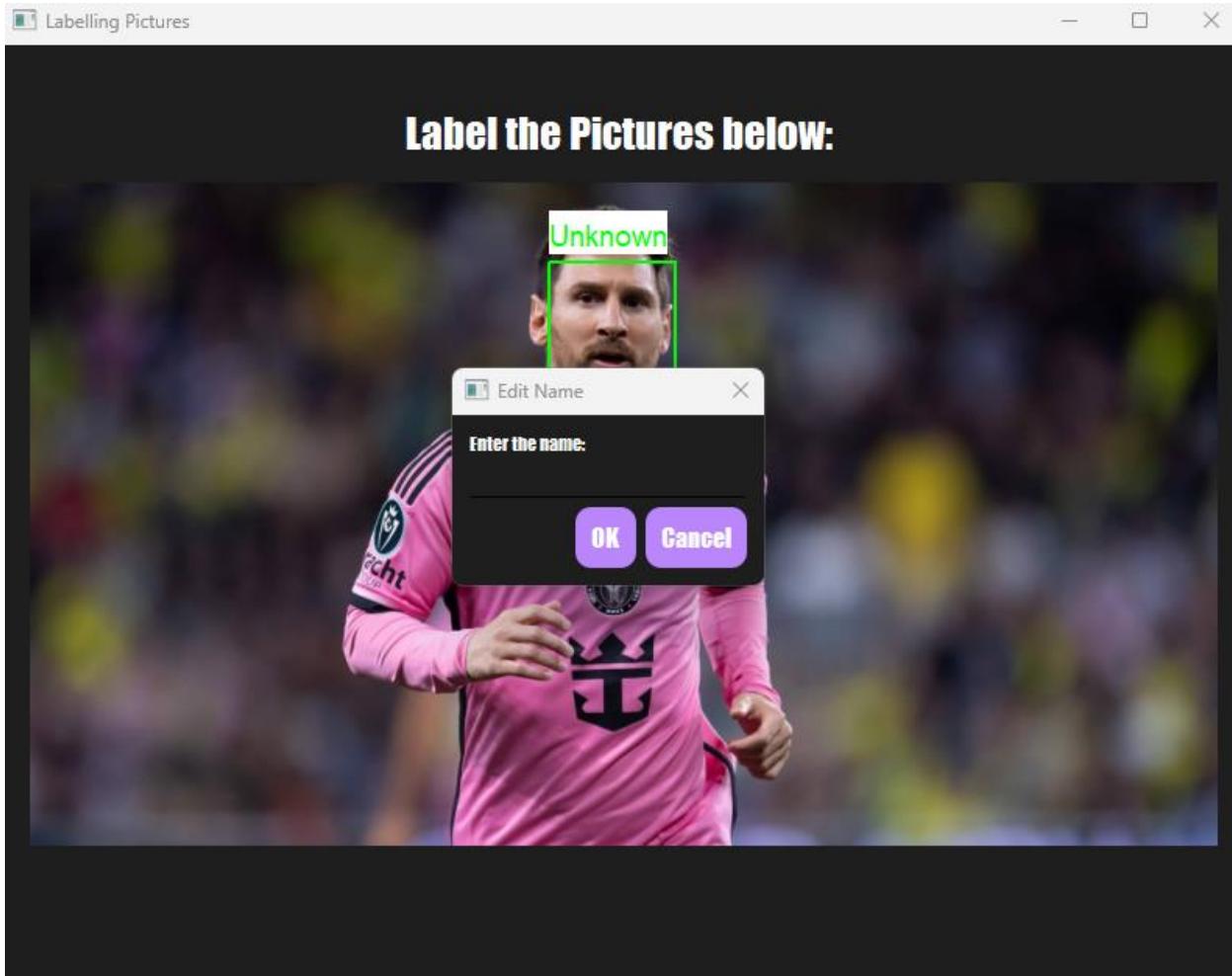
2- By clicking the “**upload images**” button, two options will pop up: either to single-upload images or to multi-upload images. Also, a confirmation page will appear, asking if the uploaded images are correct, as follow:



Now, you can find the uploaded images when clicking the “label images” button.



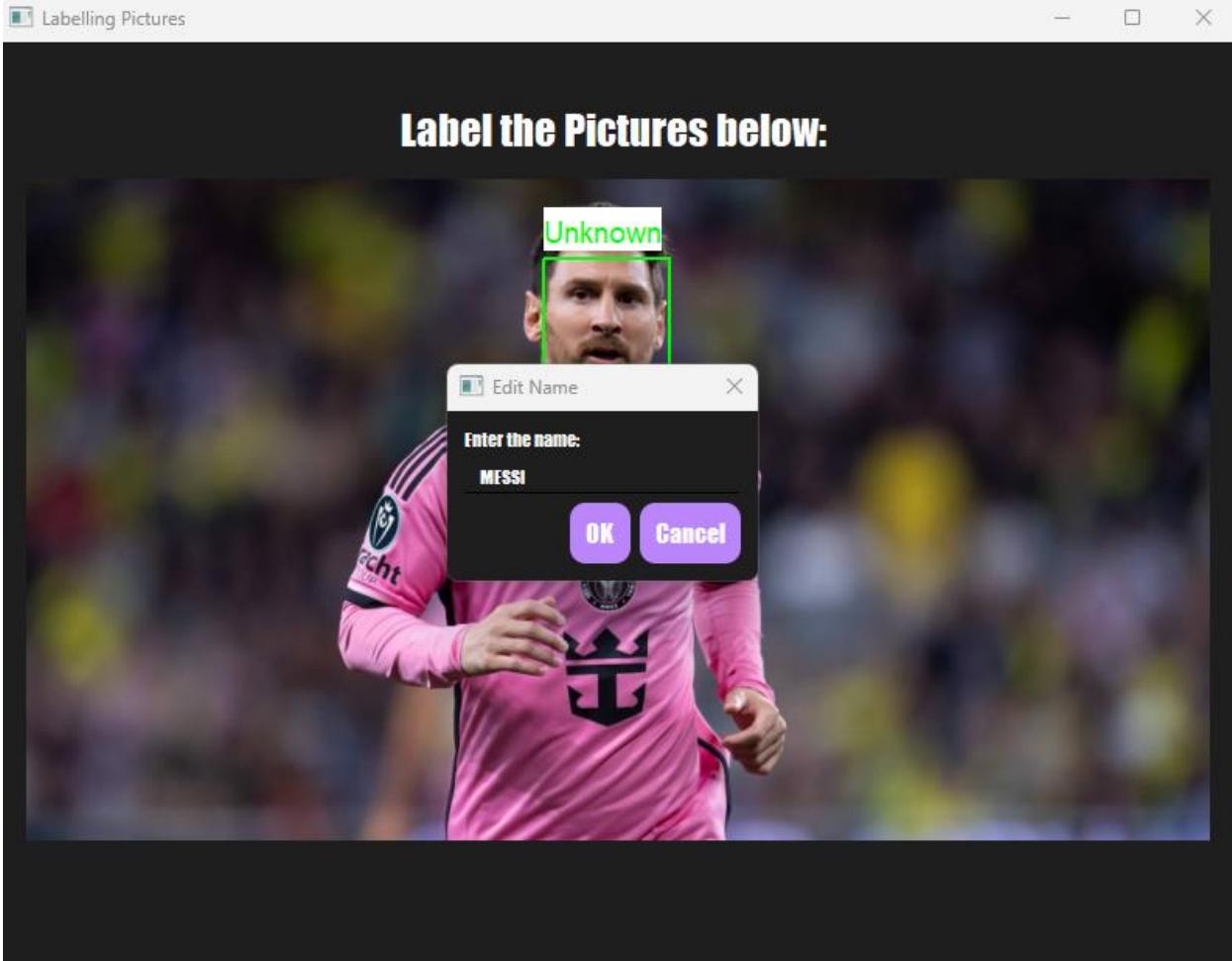
You can go ahead and start labeling the images by double clicking on the images that you intend to label:



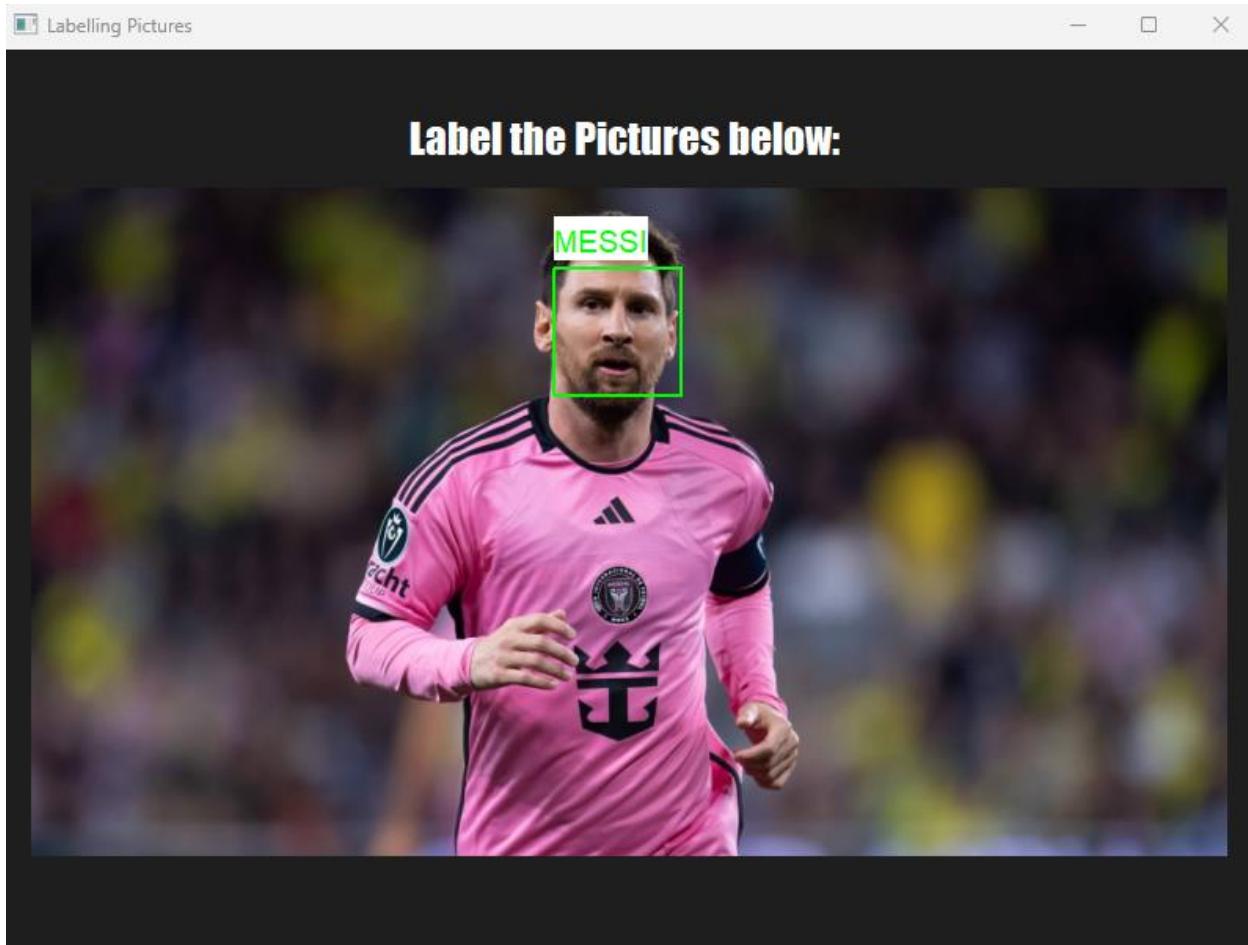
Green rectangles would appear around each face in the photo.

If the image was not labelled before, the face will have the “unknown” label

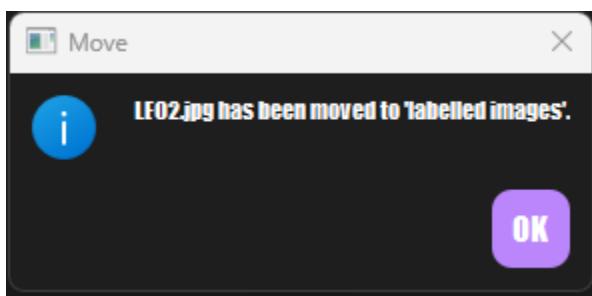
By clicking on the face, the user can just label it.



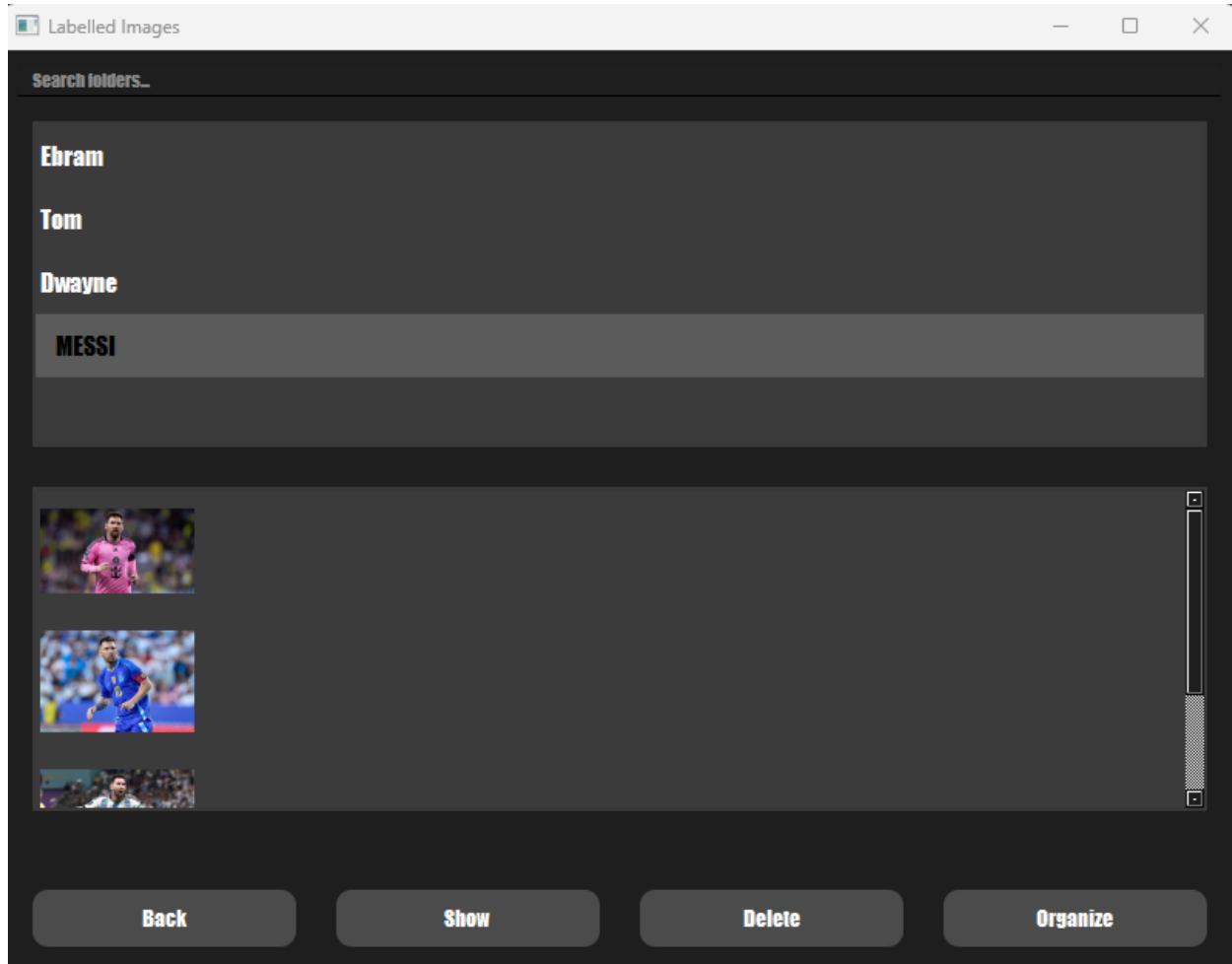
By clicking ok, the new label appears on beside the green rectangle.



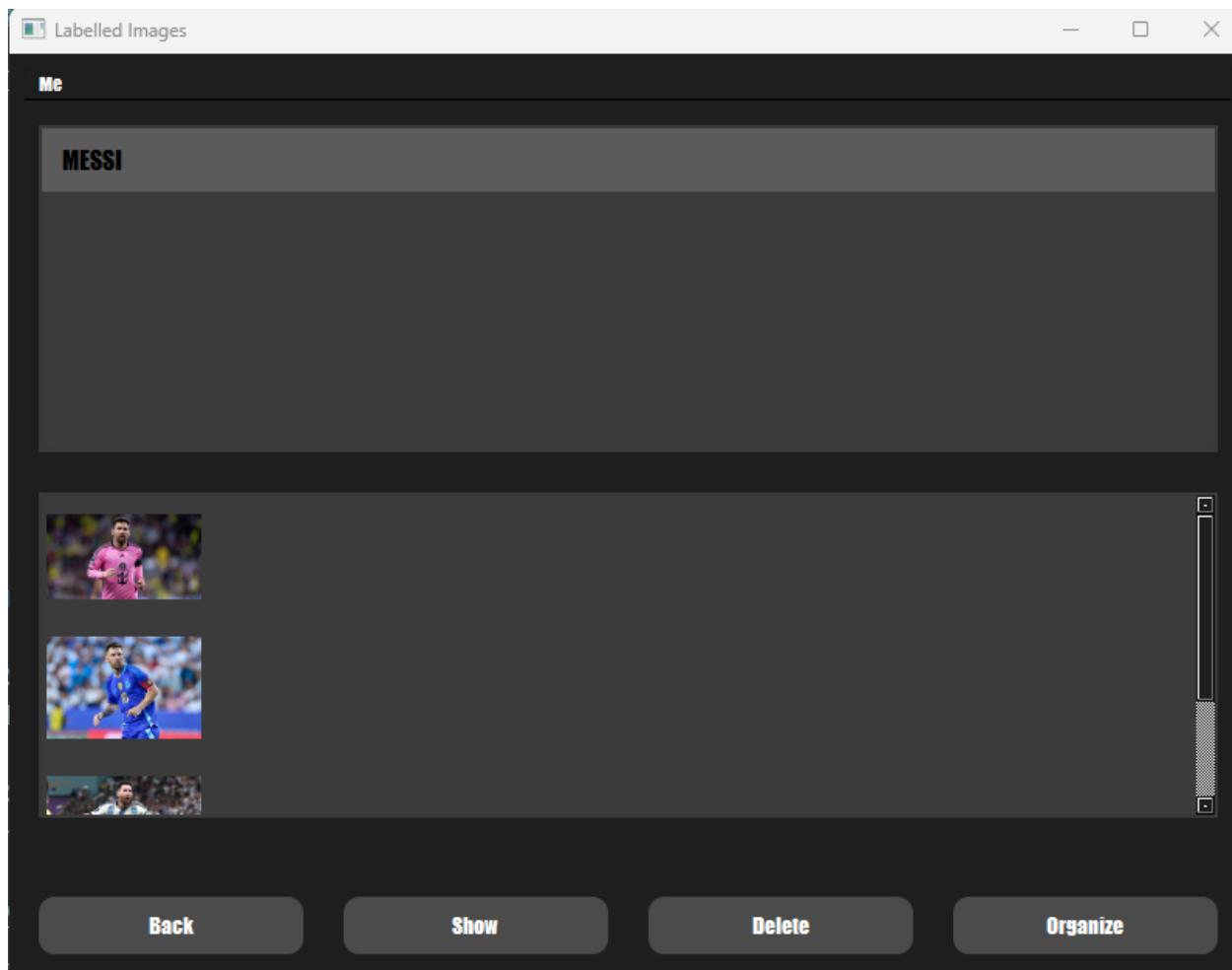
After closing the image, a message would appear to indicate that the labelling process was done successfully. This image is now transferred to the labelled section,



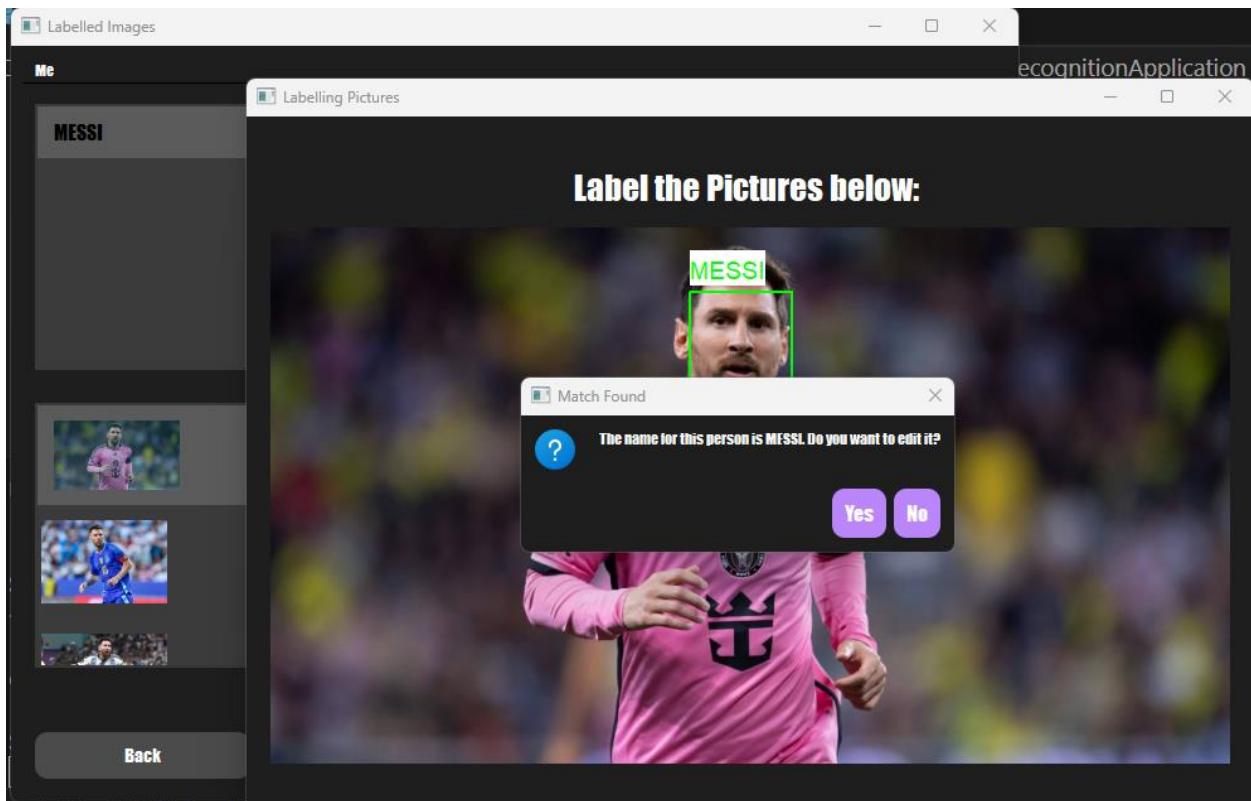
If you return back to the main menu and navigate to the labelled section, you will see all the labelled persons' images. The user can view all the images of that person by clicking on their name.

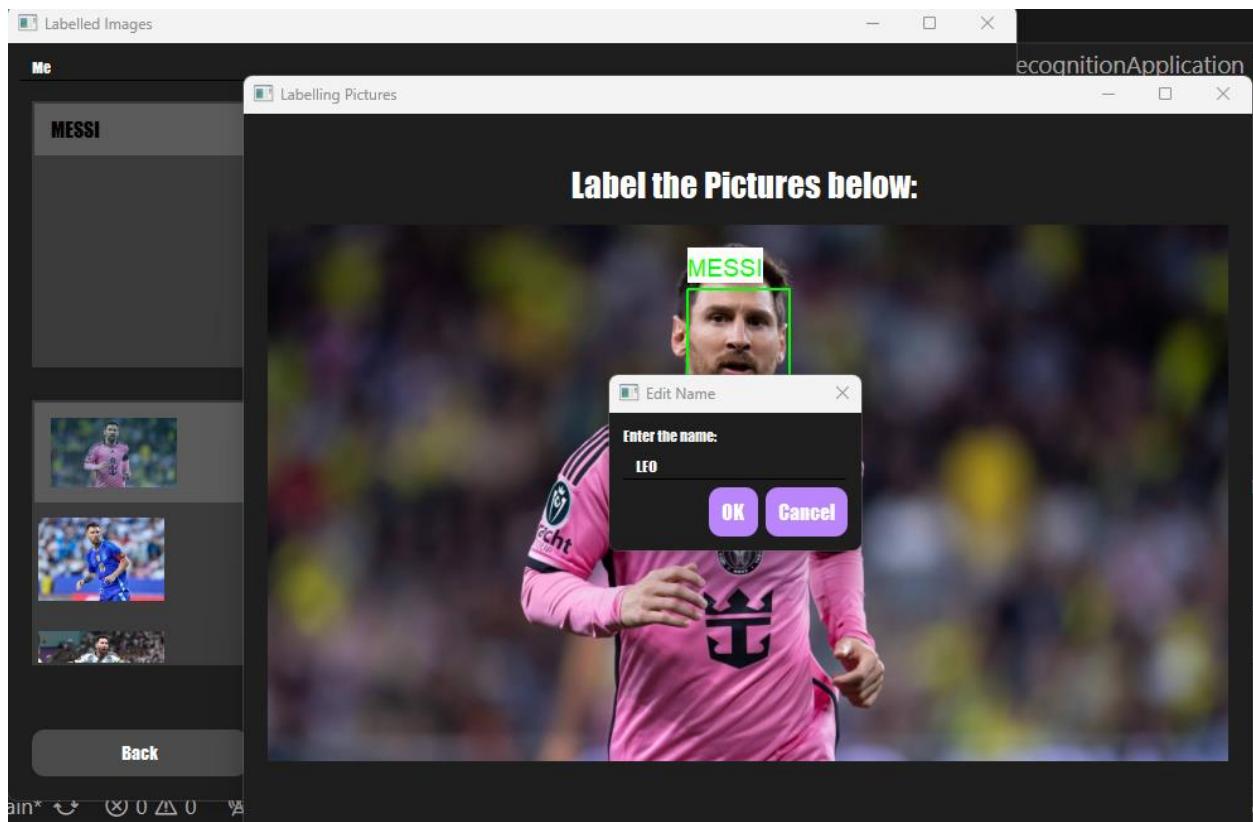


There is also a search feature which enables the user to find a specific name among the names listed.

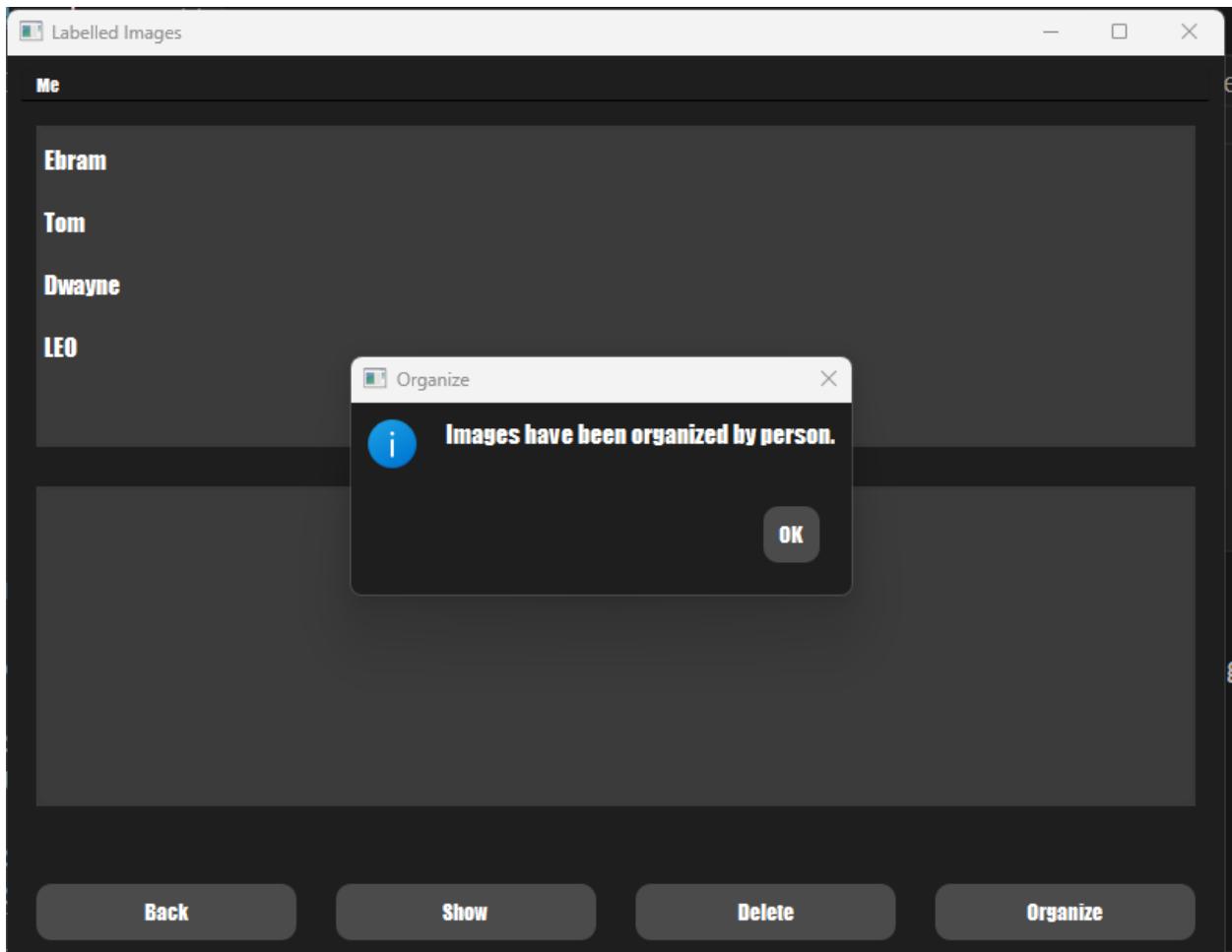


If the user thinks that a person is incorrectly labelled, they can edit his/her name by double clicking on the image in the labelled section. After that the user should click on the face then click yes and enter the new name.





Finally, to see the changes in the labelled section, the user should click on the “organize button” to see the section up to date.



If you have any questions, please contact us 😊 .

Note: Occasionally, when using "update once," the name may not get updated. This occurs when the old encoding (associated with the previous name) is very close to the new encoding. In such cases, the `face_recognition.distance` function might produce similar distances that are below the threshold (0.55). As a result, the algorithm may not reliably select the new encoding for this face.

Suggested Solution:

If you determine that all faces under the current name are incorrect, consider using the "update all" option. This will replace all existing encodings

associated with that name. However, if some faces were correctly encoded, you can use "update all" first, then go back and use "update once" on the correctly encoded faces. This approach works because "update all" ensures that the new encoding is applied universally (the old encoding is deleted), while "update once" allows you to selectively correct any mistakes afterward.