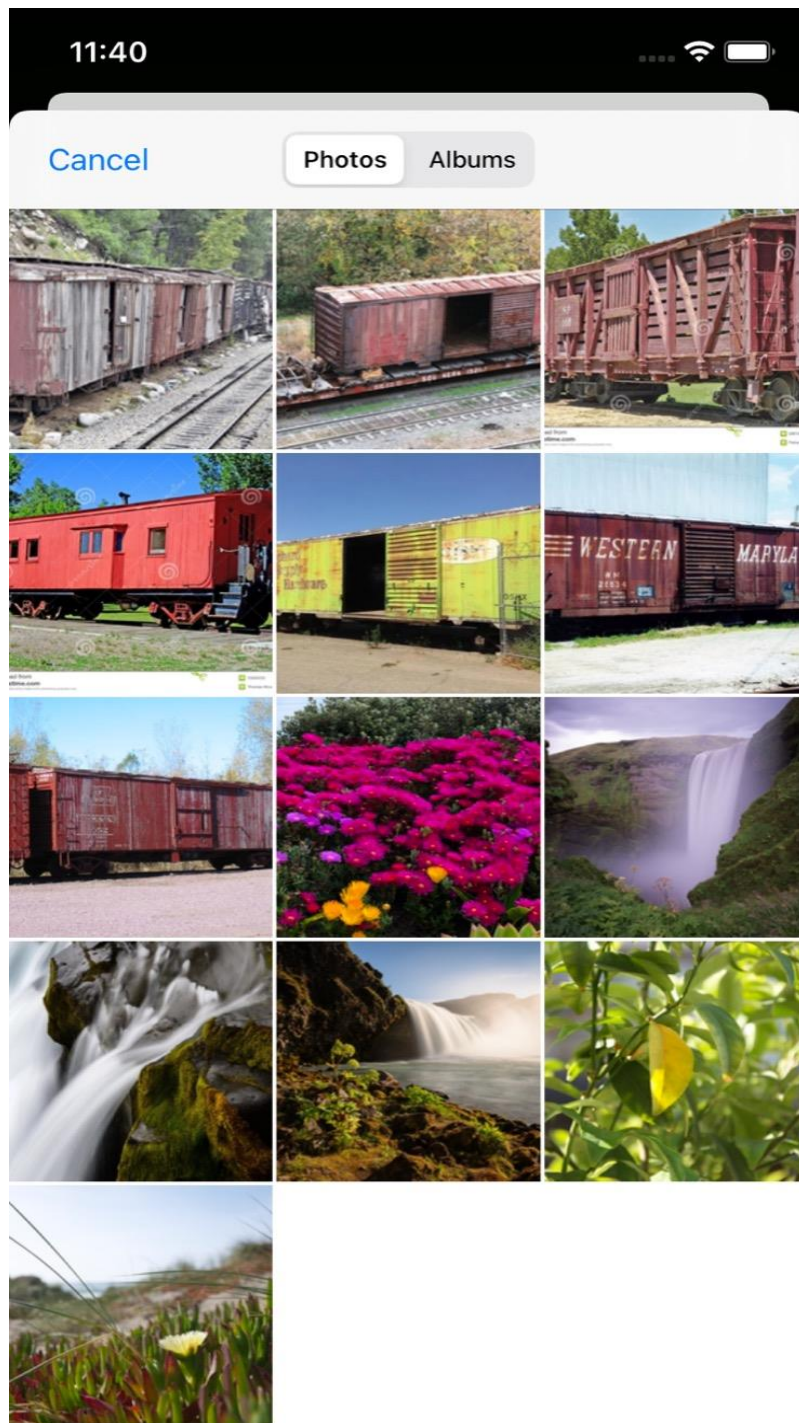SETUP INSTRUCTIONS:

When starting with this Application, the user needs to be prompted to upload a picture only by entering the upload photo button and they get access to the photo album.

The picture demonstrates that when the user enters the application, He/she can see a blank screen with the upload photo button at the bottom of the screen. While clicking the upload photo button, it gives access to enter the photo album where we can choose the picture of railroad boxcar.

11:40

Pick a Railroad_Boxcar

After Clicking the pick a railroad boxcar photo from the library you have access as shown in the pic beside me

After Clicking the Upload photo button, we can get access to enter the album where we can choose any kind of photo we like to have on the screen. This Screen contains a number of images where we can press on each picture, and we can the picture we like and can have that picture on the screen. Even if you wanted to go back or check that picture suits on the page or again wanted to get access to this page, you can click the cancel button that navigates you to the empty page where you can again click on the upload photo button to enter this page.

After you have completed the process of selecting the picture, then the picture is portrayed on the empty screen and it looks like the image that is attached below. At anytime, if you wanted to change the picture on you screen, you can again follow the process by hitting in the upload photo button and selecting your favorite from the album and you can change the photo on the screen. Then this will get scan you image on how much rust you have on the image. For example, the image I have uploaded

shows that it has 100% rust-free, therefore, 100% of rust-free means it is great. It also give its confidence level as the model makes predictions based on those

Great - 100%%

Upload Photo

STATISTICS OF RUST AND CORROSION ON THE IMAGE:

Great _ condition -0% rust and corrosion

Good _ condition – 10%-20% rust and corrosion

Average_condition rust and corrosion – 20%-40%

Faulty _ condition – 40%-60% rust and corrosion

Worst_ condition – 60% -100% rust and corrosion

Once the user uploads the image, the image gets scanned and they can see the percentage of rust and corrosion on the uploaded photo.

Frequently Asked Questions:

1) How Can I see the model's confidence in the image?

→If you upload the image, it will automatically get scanned and shows the output of model's confidence percentage as well as it's prediction.

2) How to select another photo to be getting uploaded?

→ you can again click the upload photo and select the image which you liked.