# Data Intake Report

Name: Deployment on Flask
Report date: August 31st, 2023
Internship Batch: LISUM 24
Version:<1.0>
Data intake by: Shreya
Data intake reviewer:
Data storage location:  github

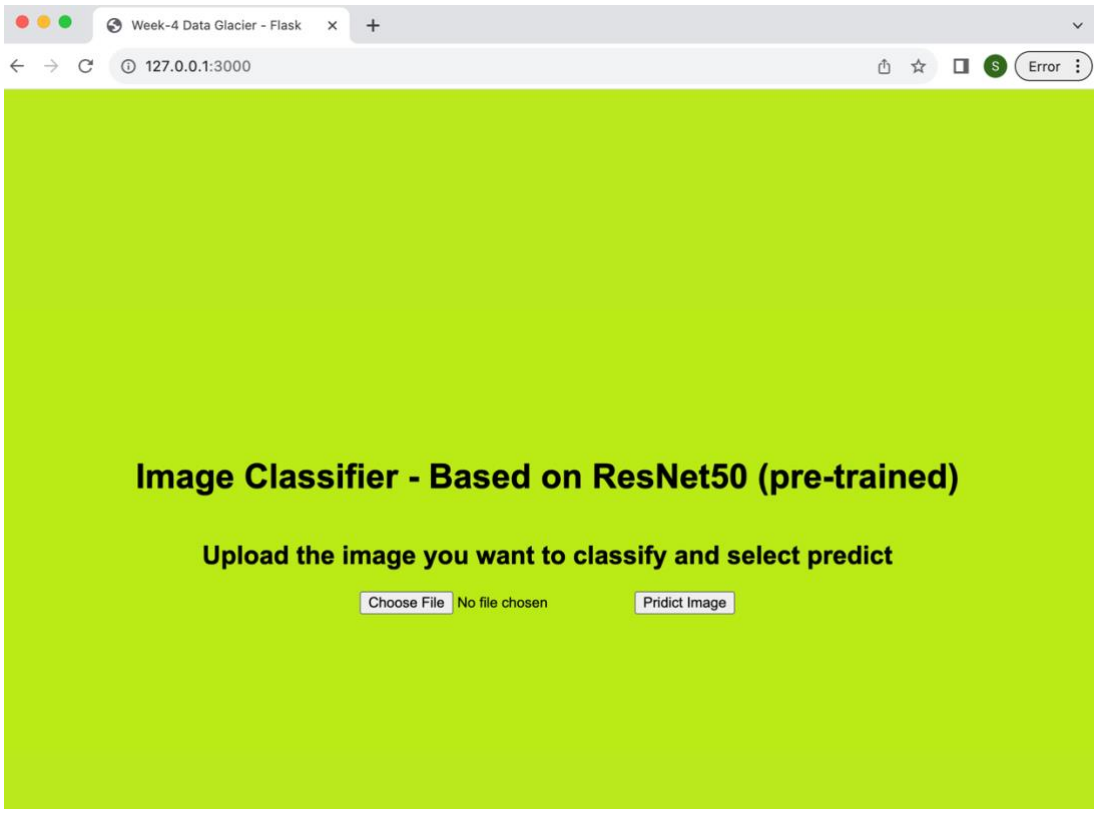
**Proposed Approach:**

- First, I have selected to go ahead with a pre-trained model for the use case of image classification. Hence, I chose ResNet50 which is available in Keras.
- To deploy the model using Flask, the following files are needed:
  - Html file containing template for web hosting.
  - Python file containing code of model and flask interface.
  - Folder to store images.
- The code of Html and model has been uploaded along with the document.

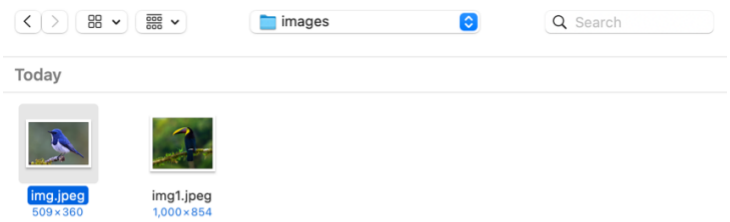
- After running the code using - python flask_app.py the application begins.

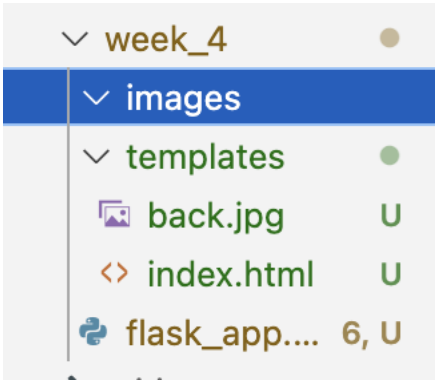
```
* Serving Flask app "flask_app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:3000/ (Press CTRL+C to quit)
 * Restarting with watchdog (fsevents)
```

- We can copy paste the above URL to go to the webpage. And the following page is displayed.

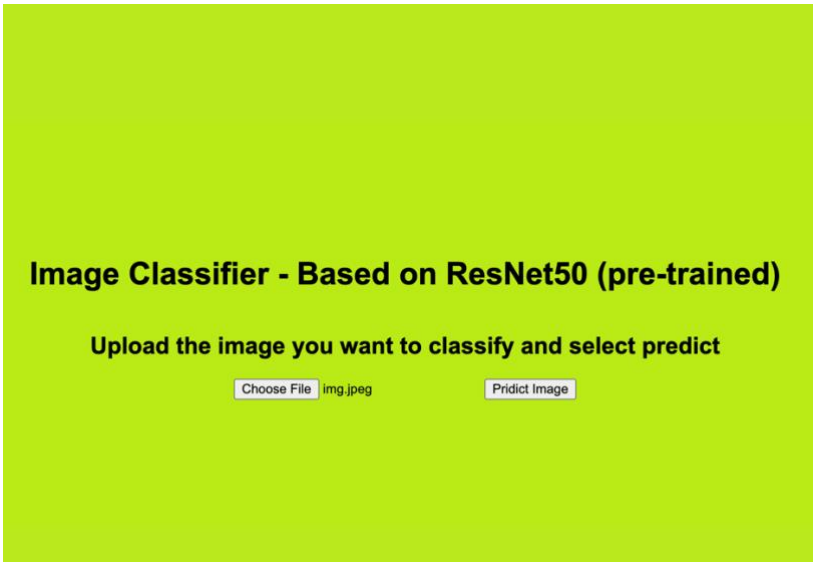


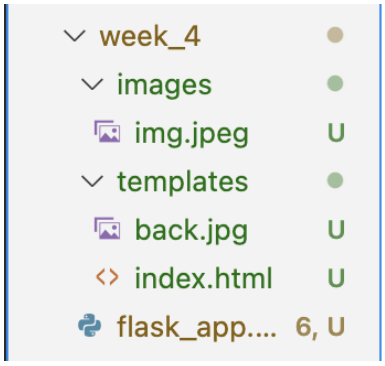

- Now we can go ahead with the task of uploading any image and our pertained ResNet model will make a prediction.

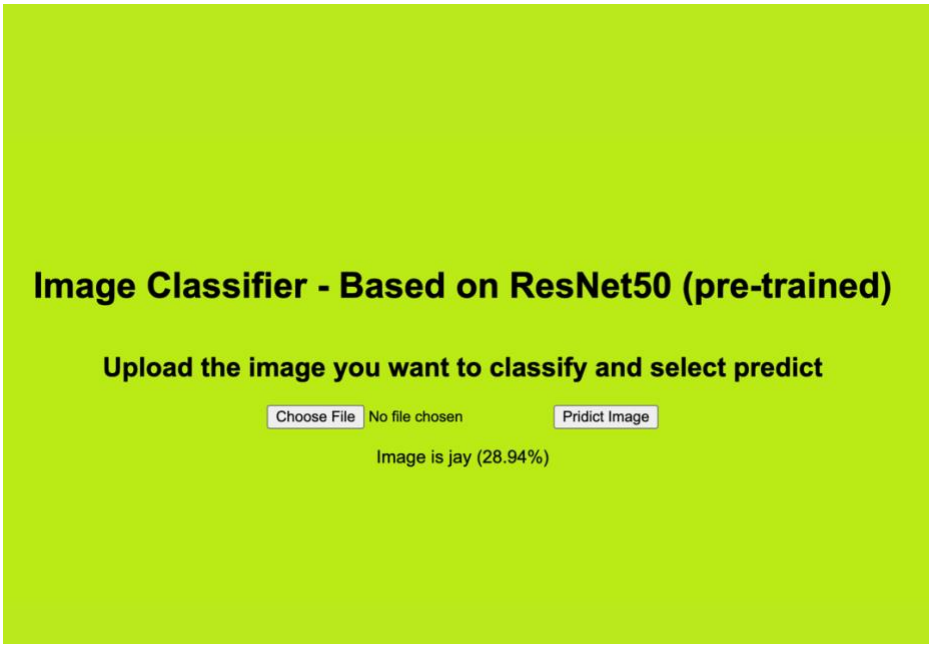



- Further the image we (the user) upload will be stored into the folder we created before.



- And the prediction is displayed. The process continues for other images as well.