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| **Next steps for Doggy Detector**  **-** Continue to work on pickle to GCP. Note that the pickle file will first have to be saved locally before it is uploaded to GCP  - Create ‘pickle from gcp’ function that can return a certain number of rows  - modify trainer.py to be able to download pickle from gcp  -create model locally  - Update “Upload model to GCP”  Create tests for:   * utils.array\_to\_tensor() * model.init\_model() * data.model\_to\_pickle() * data.model\_from\_pickle() * utils.predict\_breed() * trainer.py   Continue with the implementation of “Your first CD”- Deploy on a free Heroku dyno when building the front end.  Update readme file on github |
| **03-02-2022**  **-** Continue to work on pickle to GCP. Note that the pickle file will first have to be saved locally before it is uploaded to GCP   * Troubleshoot this error:   google.auth.exceptions.DefaultCredentialsError: File /Users/josephgulay/wagon-bootcamp-321000-ad8abda7e95e.json was not found.  **Learning:**   * I first had to Google Cloud Platform -> Credentials -> Under the heading “Service Accounts”, click the first project -> Navigate to the “Keys” tab -> Click “Add Key” * Next I had to download the key. I saved it to “/Users/joe/code/keys/doggy-detector-2022-c42f18ed1a2f.json” * Finally, I ran this code in terminal export GOOGLE\_APPLICATION\_CREDENTIALS=/Users/joe/code/keys/doggy-detector-2022-c42f18ed1a2f.json |
| **History**  **02-03-2022**  Started to create py files to upload into GCP  Continue with creating a bucket in GCP  **Issue:** Not able to run the make file, the following error pops up:  gcloud: No such file or directory  **Solution:** It looks like I had to do some of the initial set up to be able to run in GCP. This included setting up the CLI, authentication and setting the project name.  **01-03-2022**  Started looking at GCP setup.  **Learning:** When I remove the machine learning requirements of the package, I am able to deploy to Heroku. So it looks like the machine learning requirements are what is taking up space. I will need to deploy Heroku only for the front end it seems. For now I will delete the Heroku file.  **Update:** It looks like the issue isn’t with the pickle file or the images file. It has something to do with the packages being installed. Looking at rebeccas code, it looks like only the front end is uploaded, not the back end. This could be the root cause.  Troubleshoot this step- slug size still too large, investigate what else is taking up space  Add back in the image folder and the X.pickle file, to see which one is pushing it over the limit.  Figure out why .slugignore isn’t working.  ## Warning - The same version of this code has already been built: 553cdf8d698cfb45cae0cf39df1b5c44fe20325c  remote: !  remote: ! We have detected that you have triggered a build from source code with version 553cdf8d698cfb45cae0cf39df1b5c44fe20325c  remote: ! at least twice. One common cause of this behavior is attempting to deploy code from a different branch.  remote: !  remote: ! If you are developing on a branch and deploying via git you must run  remote: !  remote: ! git push heroku <branchname>:main  remote: !  remote: ! This article goes into details on the behavior:  remote: ! https://devcenter.heroku.com/articles/duplicate-build-version  **28-02-2022**  Troubleshoot this step- slug size still too large, investigate what else is taking up space  Update: When I remeove both the Image folder and the X.pickle file, the slug error disappears, but another error appears.  Compiled slug size: 746.1M is too large (max is 500M).  See: <http://devcenter.heroku.com/articles/slug-size>  .slugignore doesn’t seem to be having an impact  *Learning: Add files to .slugignore that you don’t need, as the max size of the slug package is 500 MB*  **27-02-2022**  Start to Implement CI and CD  *(Learning: Need to run git push Heroku master from the same location as git push origin master)*  Build predictor for a single image  Run model and predict locally  **26-02-2022**  Continue to build trainer.py  **25-02-22**  **Start making trainer.py**  ***Issue:*** *I’m having trouble creating a test file for the pickle tests- it seems to to be able to see the test folder. Does a makefile run the tests from the makefile location or the test folder?*  ***Learning:*** *I changed the pickle\_path. It looks like the file is run from the makefile location* |