Add a **dockerfile** to build the docker image

Put the code on **GitHub**

Create a new project on **Google Cloud Platform** and name it *quarterly-engage*

Clone the GitHub repository by using a command line in **Google Cloud Shell**

git clone https://github.com/ramoben/GEvaluation.git

Set the Project ID environment variable

export PROJECT\_ID=quarterly-engage

Access the GEvaluation directory and Build the docker image

cd GEvaluation

docker build -t gcr.io/${PROJECT\_ID}/quarterlyengage:v1 .

Enable the **Google Container Registry API**

gcloud auth configure-docker

docker push gcr.io/${PROJECT\_ID}/quarterlyengage:v1

Enable the **Google Kubernetes Engine API**

Set Project ID and Compute Engine zone

gcloud config set project $PROJECT\_ID

gcloud config set compute/zone us-central1-c

Create a cluster

gcloud container clusters create quarterlyengage-cluster --num-nodes=2

Deploy application

kubectl create deployment quarterlyengage --image=gcr.io/${PROJECT\_ID}/quarterlyengage:v1

Expose application to the internet

kubectl expose deployment quarterlyengage --type=LoadBalancer --port 80 --target-port 8080

There is an error possibly in the dockerfile when running the docker:

usage: main.py [-h] [--f FILENAME] [--g GENRE] [--s SUBGENRE] [--k K]

[--p PLATFORM] [--v VALUES]

main.py: error: unrecognized arguments: --f Quarterly-Engage-UA-Revenue.xlsx --g Arcade --s Board --p ios --v 0.3,68.59,2.0554,0.08,99986 --k 3