**Assignment Details and Instructions**

**System requirements**

Setup a web service to serve the REST api of the goa Cellar example application hosted here:

<https://github.com/goadesign/goa-cellar>

**Solution artifacts**

1. Create a github repository for storing your solution artifacts.
2. Copy the codebase for the goa-cellar application into your github repository.
3. Edit the goa-cellar code for the server to listen on port 5000 instead of the current port.
4. Create a Dockerfile that will compile and run your goa-cellar application.
5. Create a Kubernetes Helm chart to deploy the application in Kubernetes. This should include at a minimum a values.yaml file for any deployment parameters, a deployment.yaml file for the Kubernetes deployment and a service.yaml file for the Kubernetes service.
6. Add the Dockerfile and Helm chart to your github repository with instructions on how to build the Dockerfile, how to deploy the Helm chart, and where to access the service once it is running.

**Solution Details** (Numberings below are in sync with point numbers mentioned above for assignment.):

1. Github repo created:
   1. <https://github.com/BlueMaverick/EPAMassignment>
   2. Clone url : <https://github.com/BlueMaverick/EPAMassignment.git>
2. Done. Code is copied and pushed to githum /BlueMaverick/EPAMassignment master branch.
3. Done. Port updated as 5000 in main.go file. Link:
   1. <https://github.com/BlueMaverick/EPAMassignment/blob/master/main.go>
4. Done. Dockerfile created and added in repo.
   1. <https://github.com/BlueMaverick/EPAMassignment/blob/master/Dockerfile>
5. Done. Helm charts are uploaded in repo also. Links:
6. Github repository is updated with Solution artifacts. Please follow below mentioned instructions to run the code using docker and helm.