**Diversity Manager Run book**

We named application as Diversity Manager

# Git hub repo

We have created out own git hub repo since we need deploy diversity dimensions problem in public cloud GCP from personal laptops

URL: <https://github.com/vsurendrav/diversity-manager>

We have all UI related changes in [diversity-manager-web](https://github.com/vsurendrav/diversity-manager/tree/main/diversity-manager-web) and backend related changes in [diversity-manager-app](https://github.com/vsurendrav/diversity-manager/tree/main/diversity-manager-app)

# Technology Stack

**UI:** React JS 18, Bootstrap 5, react-bootstrap 2.3.1, chart.js 3.7.1, redux 4.2.0, npm 8, node js 16, yarn latest

**Backend:** java 11,spring boot 2.6.7, gradle 7, jsoup 1.14.3, junit 5, Mockito

**Cloud:** GCP

**GCP Services used:** App engine, gcp clould SDK

# Deployment

we have configured two App engines. One for to deploy UI application and other one for spring boot application

we took support of gcp cloud SDK for deploying applications into app engines by configuring app.yaml file for each app

**Steps to deploy UI app:** execute below commands

1. yarn build (this is for production build which is deployable)
2. configure app.yaml with runtime environment NodeJS 16
3. gcloud init (this is to select account and project where to deploy application)
4. gcloud app deploy (this is to deploy production build to AppEngine using app.yaml)
5. gcloud app logs tail -s default (to see logs)

**Steps to deploy spring boot app:** execute below commands

1. gradle clean build (this is for production build which is deployable)
2. configure app.yaml with runtime environment openjdk
3. gcloud init (this is to select account and project where to deploy application)
4. gcloud app deploy <jar file> (this is to deploy production build to AppEngine using app.yaml)
5. gcloud app logs tail -s default (to see logs)

# App LB Urls

We can able to access UI and spring boot apps on below LB urls which are exposed from app engine

**UI:** [**https://diversity-dimensions-349915.el.r.appspot.com/**](https://diversity-dimensions-349915.el.r.appspot.com/)

**Backend:** [**https://diversity-dimensions-349915.el.r.appspot.com/actuator**](https://diversity-dimensions-349915.el.r.appspot.com/actuator)

# User stories

There is list of user stories in below attached document



# Sequence and GCP Architecture Diagram

Please find attached the files

 