

SSN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
CS8711 Cloud Computing Laboratory

Assignment - 5 : Developing Simple Application on Google App Engine

Assigned Date: 08.10.2020.

Due Date: 15.10.2020 & 16.10.2020

1. Install Google App Engine SDK for Python / Java in Windows / Linux Operating System as Host OS.
2. Set the development environment using Python / Java.

For Python

<https://cloud.google.com/appengine/docs/standard/python/setting-up-environment>

<https://cloud.google.com/appengine/docs/standard/python3/setting-up-environment>

For Java

<https://cloud.google.com/appengine/docs/standard/java/setting-up-environment>

<https://cloud.google.com/appengine/docs/standard/java11/setting-up-environment>

Getting started with Google Cloud SDK.

<https://cloud.google.com/sdk/docs/quickstarts>

Download Google Cloud SDK for Python / Java from the above mentioned web link.

Installing Google Cloud SDK

<https://cloud.google.com/sdk/docs/install>

Installing the Google Cloud SDK Components manually. ([Cloud SDK component manager.](#))

<https://cloud.google.com/sdk/docs/components>

3. **Creating Web Application**

<https://cloud.google.com/eclipse/docs/creating-new-webapp>

<https://cloud.google.com/appengine/docs/standard/python3/building-app/creating-gcp-project>

4. **Publishing your application**

[https://developer.mozilla.org/en-](https://developer.mozilla.org/en-US/docs/Learn/Common_questions/How_do_you_host_your_website_on_Google_App_Engine)

[US/docs/Learn/Common_questions/How do you host your website on Google App Engine](https://developer.mozilla.org/en-US/docs/Learn/Common_questions/How_do_you_host_your_website_on_Google_App_Engine)

gcloud config set project <Your-Project-ID>

Eg: `gcloud config set project mysamplegaeproject`

Move to the application folder in gcloud server. (Here it is sample-app)

`cd sample-app`

Deploy your project on gcloud.

`gcloud app deploy`

navigate your browser to <your-project-id>.appspot.com

Eg: `mysamplegaeproject.appspot.com`

II. Develop a Simple Web Application on Google App Engine.