Github repository

<https://github.com/stephengineer/COVID19-US>

Docker Hub of application

<https://hub.docker.com/u/stephenwangmath>

Step-by-step process

1. generate a SSH key and adding to Github

$ cd ~/.ssh

$ ssh-keygen

$ cat id\_rsa.pub

Text

Description automatically generated

1. create github repo

<https://github.com/stephengineer/COVID19-US>

Graphical user interface, text, application, email

Description automatically generated

1. install Jenkins

$ sudo apt-get install Jenkins

Text

Description automatically generated

1. build Jenkins project on Jenkins website: http://localhost:8080

Graphical user interface, application

Description automatically generated

1. create dockerfile to build docker image and deploy image to DockerHub

Graphical user interface, application, Teams

Description automatically generated

1. Jenkins pipeline is correct

Table

Description automatically generated