I created Algorithm, test\_cases, api, Dockerfile, requirement files

Algorithm Python file:

Create node -> User

🡪Pass parameters user-id, name, and email

Add Friends: - Using set method.

🡪 Function add\_friends

Function: - Suggest\_friends

API File:

Api is created using Flask Framework.

Add User:

Body in pass parameters 🡪 user\_id, name, email

{“user\_id”:1,

“name”:”siva”,

“email”:”siva@gmail.com”

}

[url :-](url:-) localhost:5000/add\_user

Add Friend:

Body in pass parameters 🡪 user\_id, friend\_id

{“user\_id”:1,

“friend\_id”:2

}

[url :-](url:-) localhost:5000/add\_friend

Get suggest Friends:

url in pass parameters 🡪 user\_id

[url :-](url:-) localhost:5000/suggest\_friends?user\_id=1

Dockerfile:

It has image 3.9-slim.

Working directory app.

Copy the all into app.

Run requirements.text file.

This server expose 5000.

Run the application Cmd line.