GITEA SETUP

STEP 1: Create Volumes for Gitea

```
mariya@LAPTOP-8OSJ2KSV:~$ docker volume create gitea_data
gitea_data
mariya@LAPTOP-8OSJ2KSV:~$ docker volume create gitea_db_data
gitea_db_data
mariya@LAPTOP-8OSJ2KSV:~$ docker volume ls
DRIVER    VOLUME NAME
local     docker-dns-demo_postgres_data
local     gitea_data
local     gitea_db_data
local     my_postgres_data
local     portainer_data
local     portainer_portainer_data
local     postgres-demo_pgdata
```

STEP 2: Create Database for Gitea (PostgreSQL)

```
mariya@LAPTOP-8OSJ2KSV:~$ docker service create \
  --name gitea_db \
  --network app_overlay \
  --env POSTGRES_USER=gitea \
  --env POSTGRES_PASSWORD=gitea123 \
  --env POSTGRES_DB=gitea \
  --mount type=volume,source=gitea_db_data,target=/var/lib/postgresql/data \
  postgres:15

z1waz3szyrjkequo806j6y7g7
overall progress: 1 out of 1 tasks
1/1: running   [==================================================>]
verify: Service z1waz3szyrjkequo806j6y7g7 converged
mariya@LAPTOP-8OSJ2KSV:~$
```

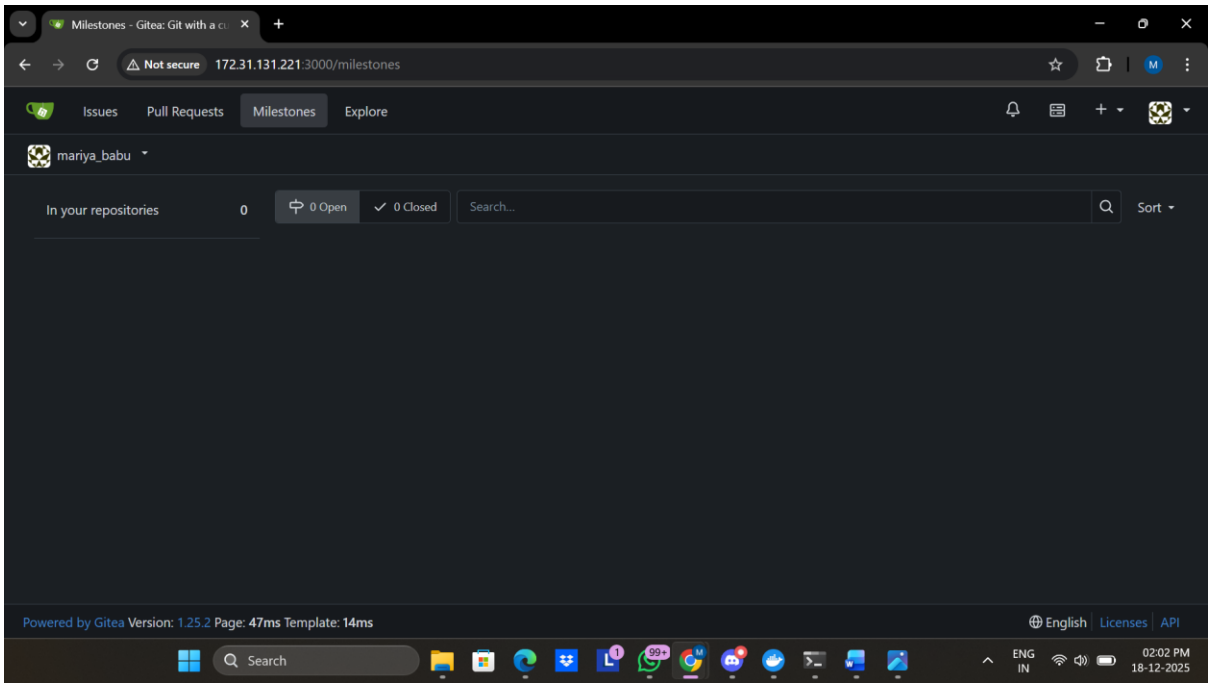
STEP 3: Create Gitea Service

```
mariya@LAPTOP-8OSJ2KSV:~$ docker service create \
  --name gitea_service \
  --network app_overlay \
  --constraint 'node.role==manager' \
  --env USER_UID=1000 \
  --env USER_GID=1000 \
  --env GITEA__database__DB_TYPE=postgres \
  --env GITEA__database__HOST=gitea_db:5432 \
  --env GITEA__database__NAME=gitea \
  --env GITEA__database__USER=gitea \
  --env GITEA__database__PASSWD=gitea123 \
  --mount type=volume,source=gitea_data,target=/data \
  --publish mode=host,published=3000,target=3000 \
  --publish mode=host,published=222,target=22 \
  gitea/gitea:latest

e8cx1xzoa465ka21v1bwmjd0w
overall progress: 1 out of 1 tasks
1/1: running   [==================================================>]
verify: Service e8cx1xzoa465ka21v1bwmjd0w converged
```

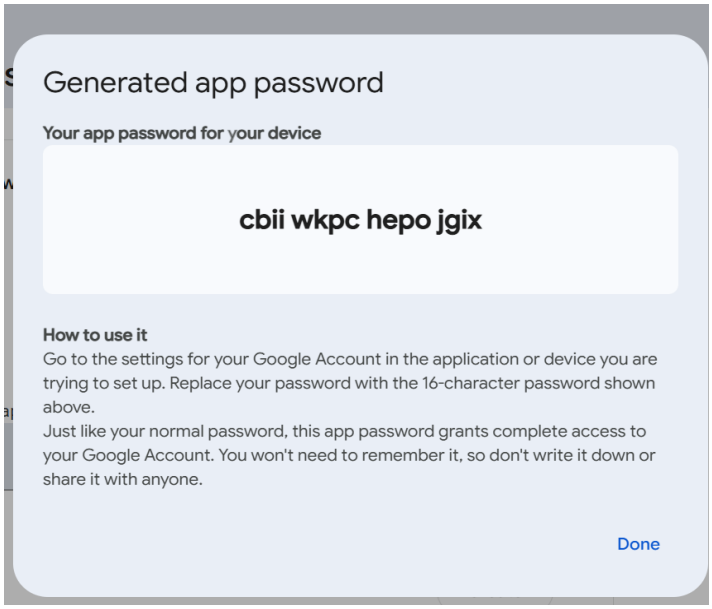
```
verify: Service e8cx1xzoa465ka21v1bwmjd0w converged
mariya@LAPTOP-8OSJ2KSV:~$
mariya@LAPTOP-8OSJ2KSV:~$ docker service ls
ID             NAME                MODE         REPLICAS   IMAGE                          PORTS
z1waz3szyrjk   gitea_db            replicated   1/1        postgres:15
e8cx1xzoa465   gitea_service       replicated   1/1        gitea/gitea:latest
nqw8k6xivfga   my_postgres_service   replicated   1/1        postgres:15                    *:5432->5432/tcp
wfk19x7u0ywo   portainer_service   replicated   1/1        portainer/portainer-ce:latest  *:9000->9000/tcp, *
k66zda201hvb   postgres_db_service   replicated   1/1        postgres:15
mariya@LAPTOP-8OSJ2KSV:~$ docker service logs gitea_service
```

STEP 4: Open Gitea in Browser



ENABLING EMAIL NOTIFICATION IN GITEA

Step 5.1: Gmail preparation : Enabled 2-Step Verification in Gmail,Generated a Gmail App Password,This password is required for applications like Gitea

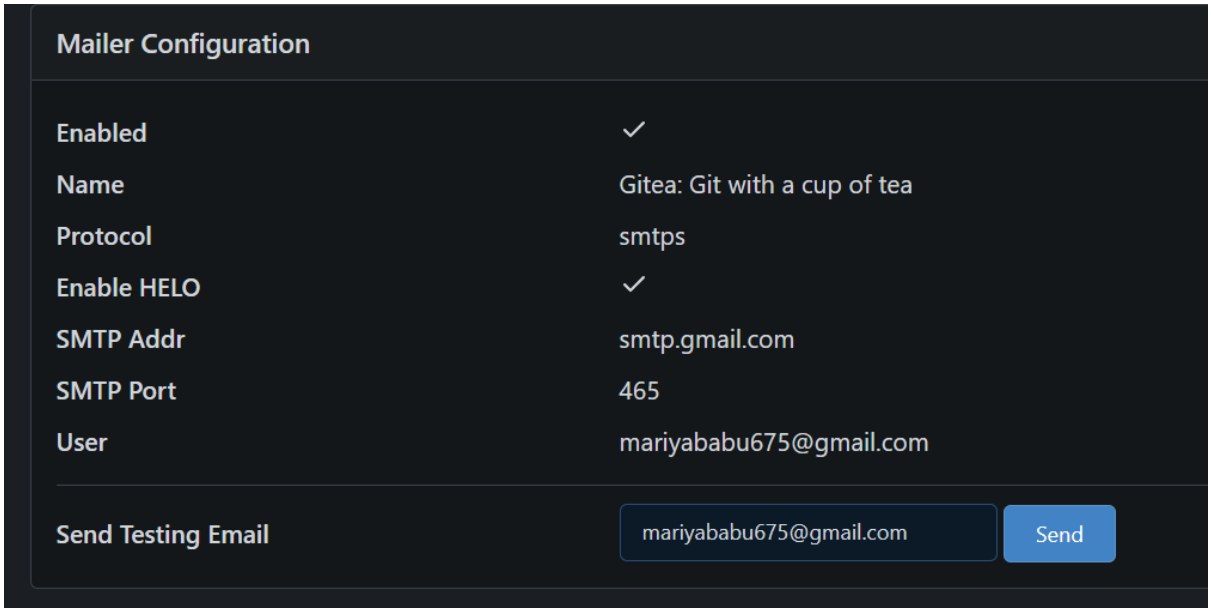


Step 5.2:Tried configuring email from Gitea UI,Went to Site Administration →

Configuration Found that email fields were read-only.Hence Configured email via Docker Swarm.

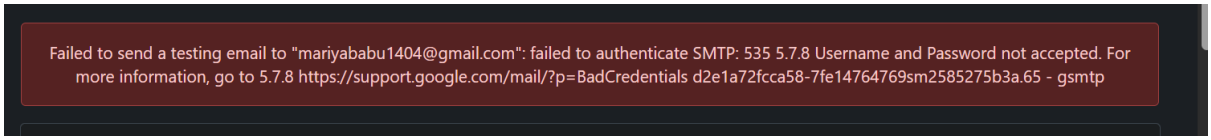
```
mariya@LAPTOP-8OSJ2KSV:~$ docker service update \
 --env-add GITEA__mailer__ENABLED=true \
 --env-add GITEA__mailer__PROTOCOL=smtps \
 --env-add GITEA__mailer__SMTP_ADDR=smtp.gmail.com \
 --env-add GITEA__mailer__SMTP_PORT=465 \
 --env-add GITEA__mailer__USER=mariyababu675@gmail.com \
 --env-add GITEA__mailer__PASSWD=cbiiwkcepohjgix \
 --env-add GITEA__mailer__FROM=mariyababu675@gmail.com \
 --env-add GITEA__mailer__TLS=true \
 gitea_service
gitea_service
overall progress: 1 out of 1 tasks
1/1: running   [==================================================>]
verify: Service gitea_service converged
```

Step 5.3: Restarted Gitea safely,Tested email delivery

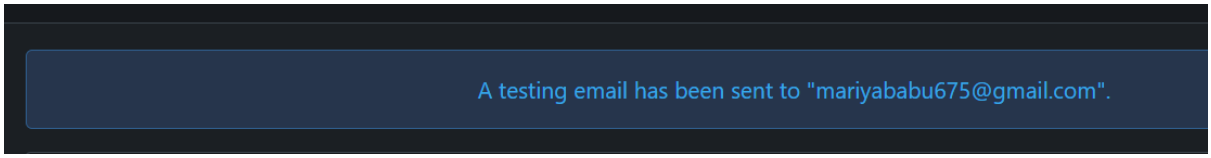


Error Occurred "535 5.7.8 Username and Password not accepted"

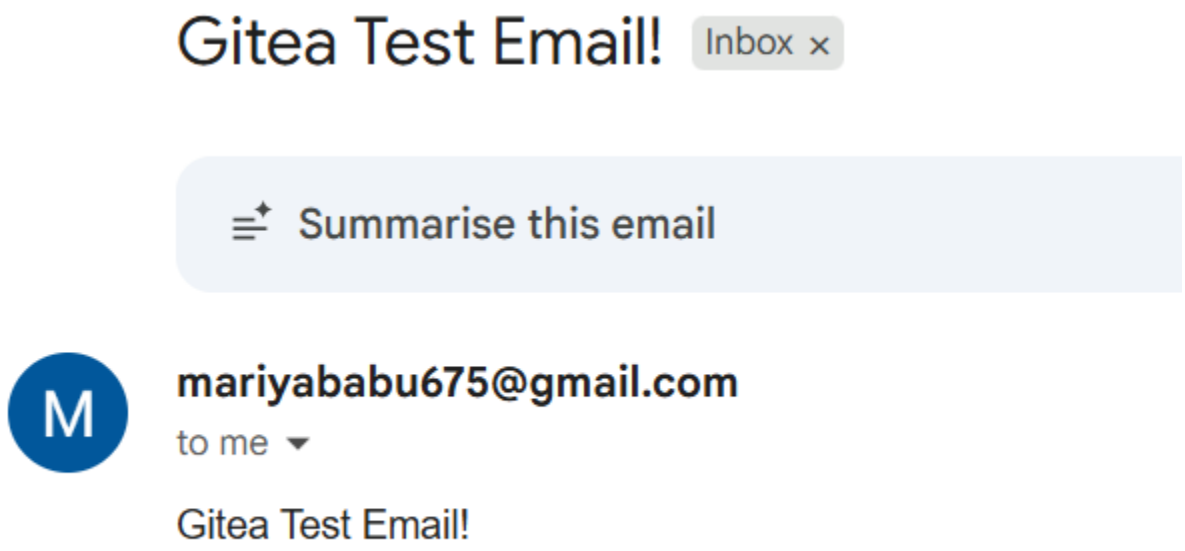
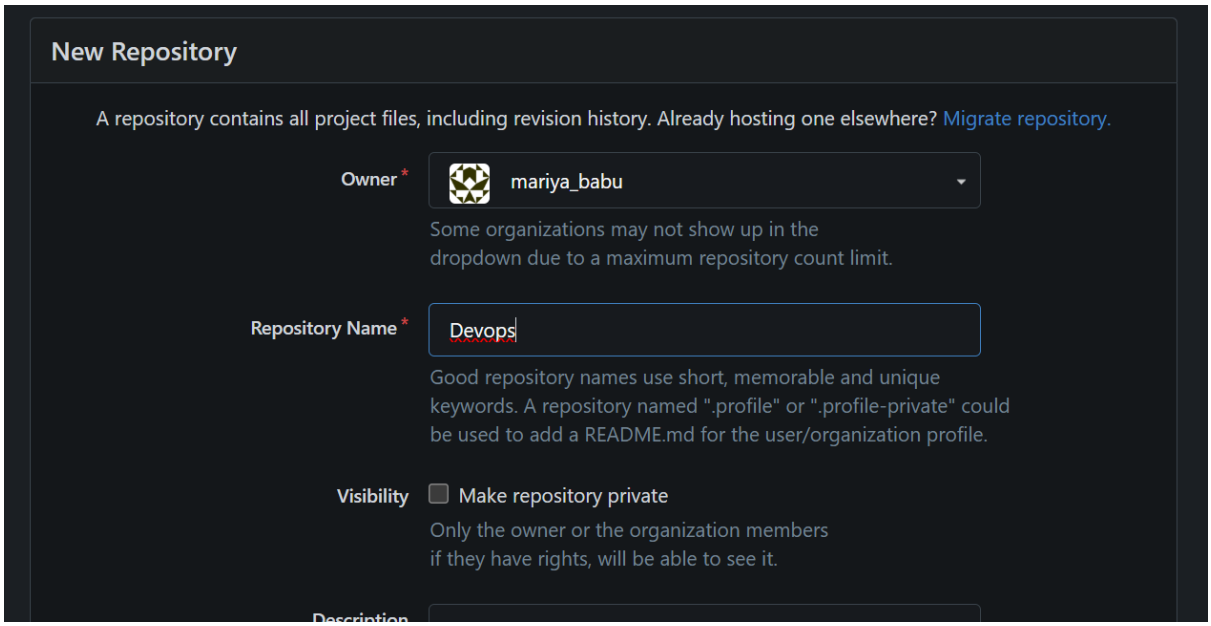
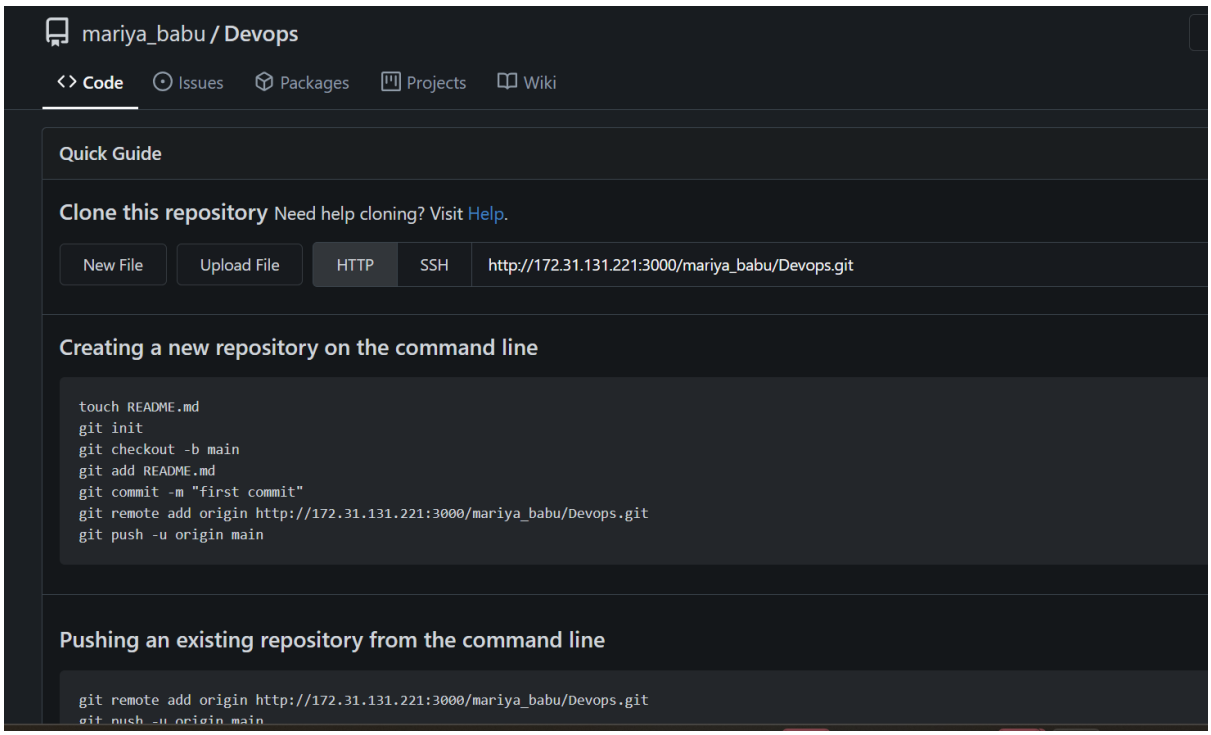
Error Occurred THE EMAIL ADDRESS YOU ARE TESTING IS WRONG



Email Delivery



Step 5.4: Tested email delivery



CREATE NEW REPOSITORY