MAKANESHA V

22ISR023

A **Jenkins Pipeline** is used to **automate the process of building, testing, and deploying software**.

Step 1: Open Jenkins and Create a New Pipeline

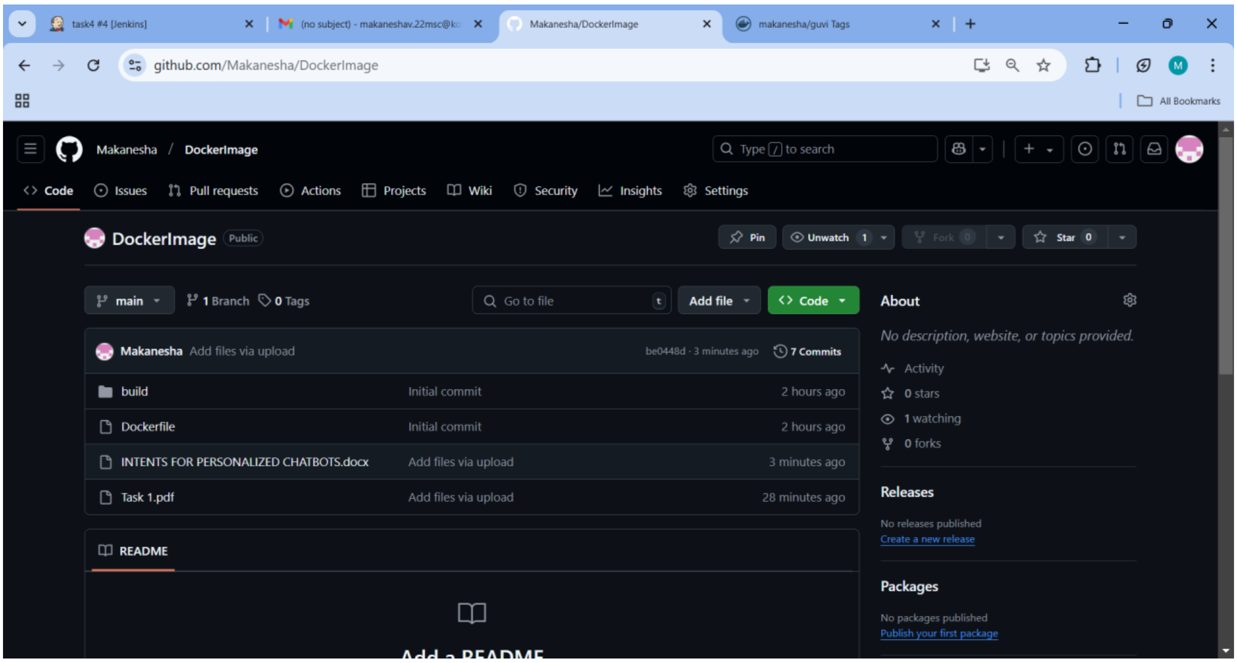
1. Log in to Jenkins.
2. Click on "New Item"
3. Enter a name for the pipeline
4. Select "Pipeline" as the item type.
5. Click "OK" to proceed.

Step 2: Configure the Pipeline

Step 3: Define the Pipeline Script

Using Jenkinsfile from SCM

1. Select "Pipeline script from SCM".
2. Choose "Git" and enter the repository URL.
3. Set the script path to Jenkinsfile.



Makanesha Add files via upload	be0448d · 3 minutes ago	7 Commits
build	Initial commit	2 hours ago
Dockerfile	Initial commit	2 hours ago
INTENTS FOR PERSONALIZED CHATBOTS.docx	Add files via upload	3 minutes ago
Task 1.pdf	Add files via upload	28 minutes ago

README

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

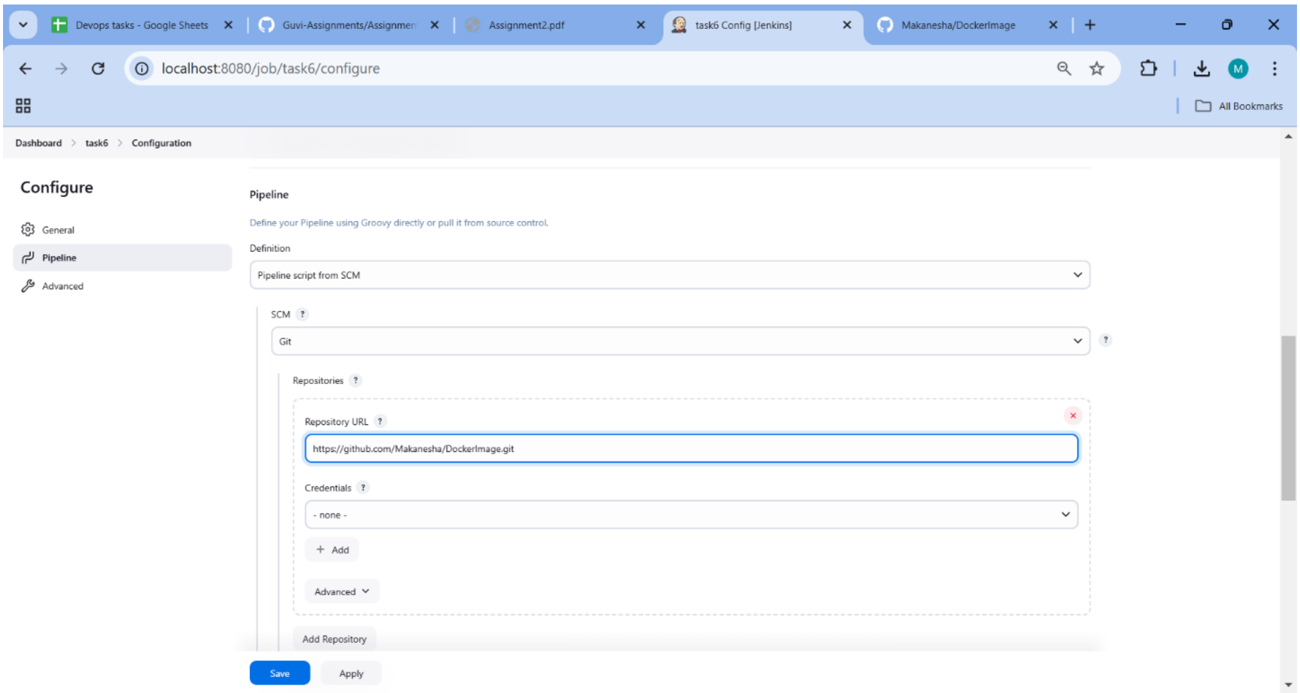
No releases published

Create a new release

Packages

No packages published

Publish your first package



localhost:8080/job/task6/configure

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

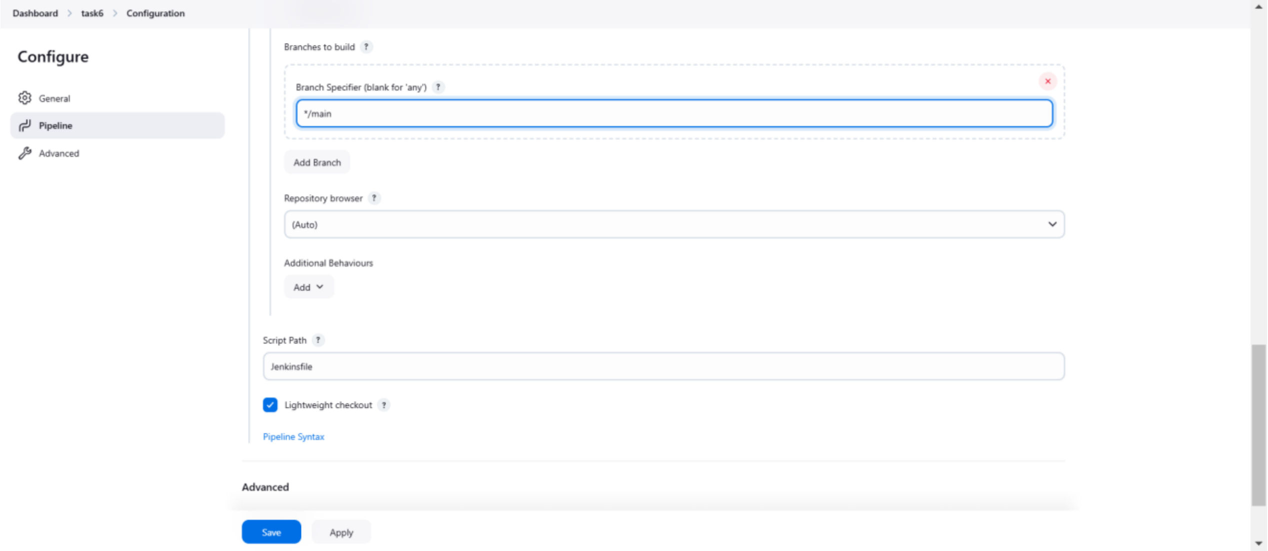
Definition: Pipeline script from SCM

SCM: Git

Repositories

Repository URL: https://github.com/Makanesha/DockerImage.git

Credentials: - none -



Branches to build

Branch Specifier (blank for 'any'): */main

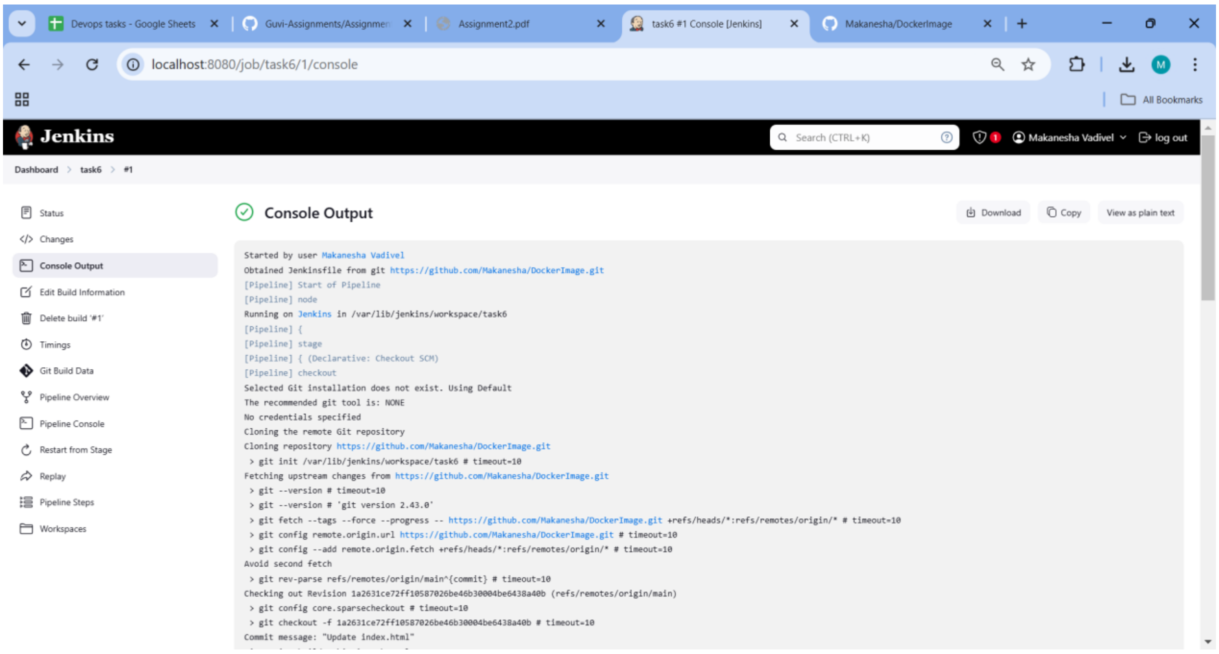
Repository browser: (Auto)

Additional Behaviours

Script Path: Jenkinsfile

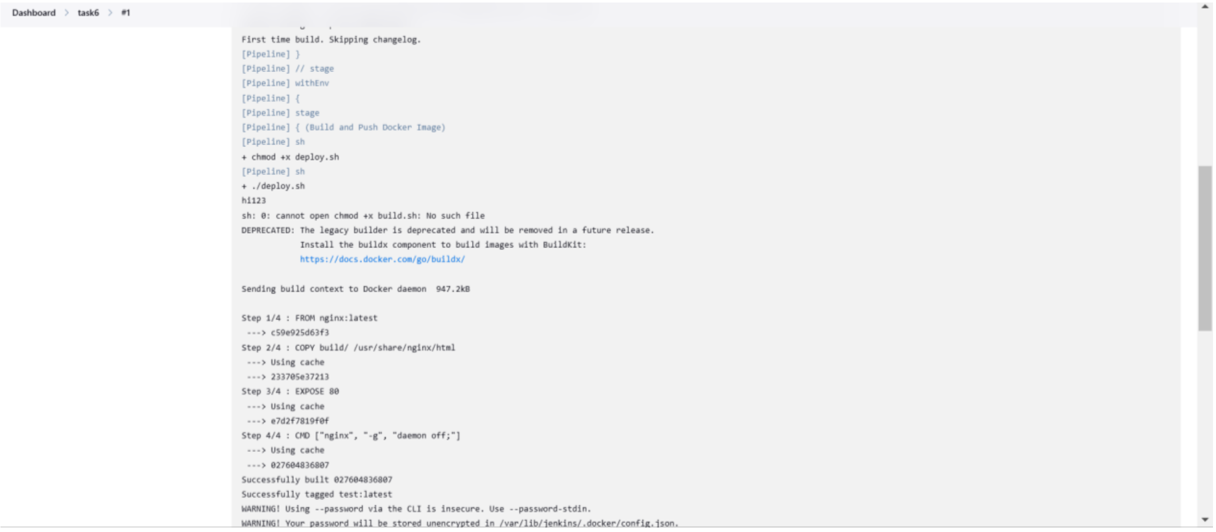
☑ Lightweight checkout

Console Output

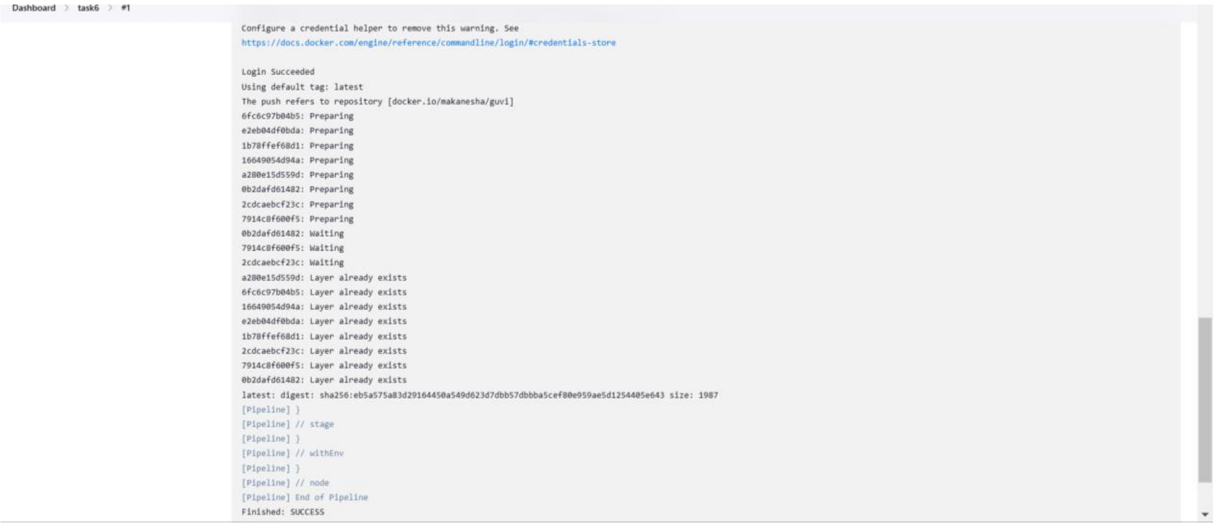


Console Output

```
Started by user Makanesha Vadivel
Obtained Jenkinsfile from git https://github.com/Makanesha/DockerImage.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/task6
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/Makanesha/DockerImage.git
 > git init /var/lib/jenkins/workspace/task6 # timeout=10
Fetching upstream changes from https://github.com/Makanesha/DockerImage.git
 > git --version # timeout=10
 > git --version # 'git version 2.43.0'
 > git fetch --tags --force --progress -- https://github.com/Makanesha/DockerImage.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git config remote.origin.url https://github.com/Makanesha/DockerImage.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 1a2631ce72ff10587026be46b30004be6438a40b (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 1a2631ce72ff10587026be46b30004be6438a40b # timeout=10
Commit message: "Update index.html"
```

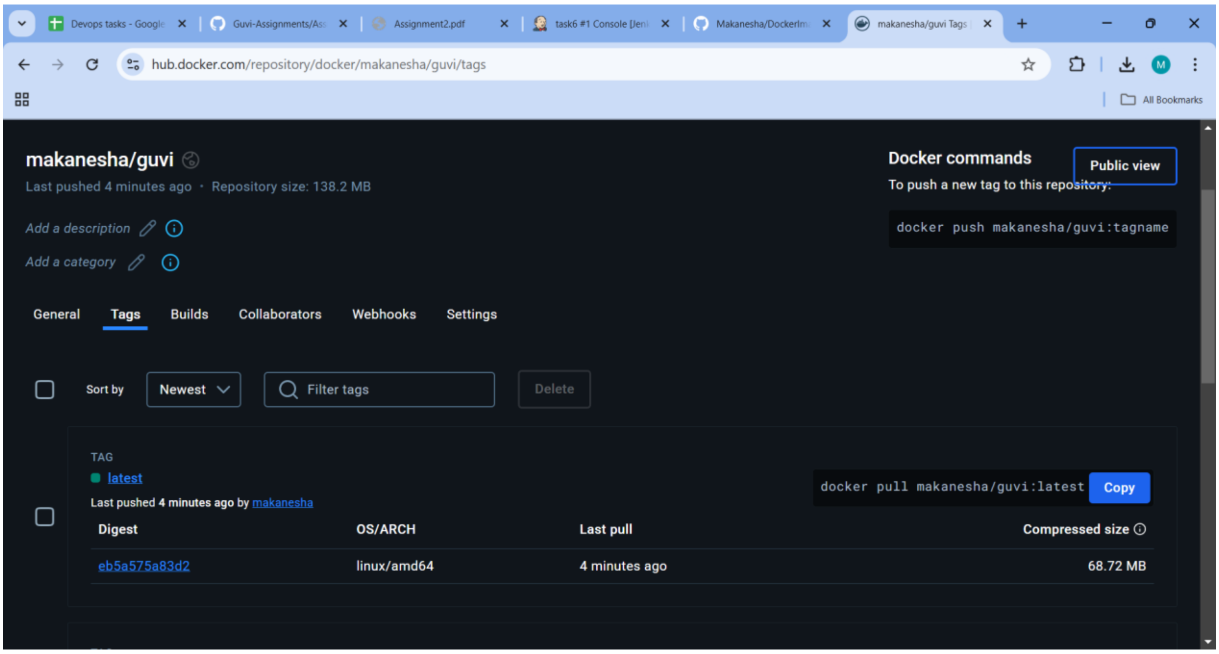


```
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build and Push Docker Image)
[Pipeline] sh
+ chmod +x deploy.sh
[Pipeline] sh
+ ./deploy.sh
hi123
sh: 0: cannot open chmod +x build.sh: No such file
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  947.2kB

Step 1/4 : FROM nginx:latest
 ---> c59e925d63f3
Step 2/4 : COPY build/ /usr/share/nginx/html
 ---> Using cache
 ---> 233705e37213
Step 3/4 : EXPOSE 80
 ---> Using cache
 ---> e7d2f7819f0f
Step 4/4 : CMD ["nginx", "-g", "daemon off;"]
 ---> Using cache
 ---> 027604836807
Successfully built 027604836807
Successfully tagged test:latest
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/lib/jenkins/.docker/config.json.
```



```
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
Using default tag: latest
The push refers to repository [docker.io/makanesha/guvi]
6fc6c97b04b5: Preparing
e2eb04df0bda: Preparing
1b78ffef68d1: Preparing
16649054d94a: Preparing
a280e15d559d: Preparing
0b2dafd61482: Preparing
2cdcaebcf23c: Preparing
7914c8f600f5: Preparing
0b2dafd61482: Waiting
7914c8f600f5: Waiting
2cdcaebcf23c: Waiting
a280e15d559d: Layer already exists
6fc6c97b04b5: Layer already exists
16649054d94a: Layer already exists
e2eb04df0bda: Layer already exists
1b78ffef68d1: Layer already exists
2cdcaebcf23c: Layer already exists
7914c8f600f5: Layer already exists
0b2dafd61482: Layer already exists
latest: digest: sha256:eb5a575a83d29164450a549d623d7dbb57dbbba5cef80e959ae5d1254405e643 size: 1987
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Image pushed into docker hub



makanesha/guvi

Last pushed 4 minutes ago · Repository size: 138.2 MB

Add a description

Add a category

Docker commands

To push a new tag to this repository:

```
docker push makanesha/guvi:tagname
```

TAG

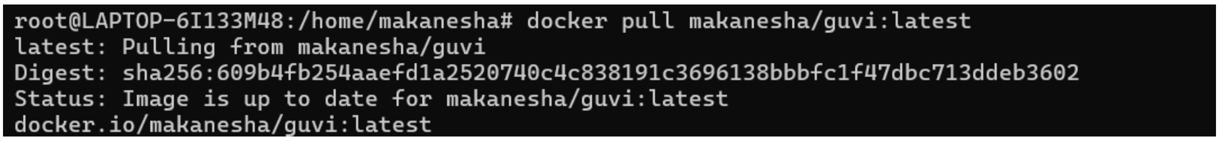
latest

Last pushed **4 minutes ago** by makanesha

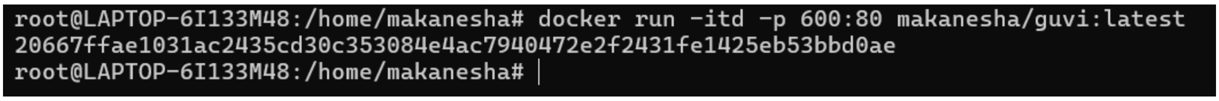
```
docker pull makanesha/guvi:latest
```

Digest	OS/ARCH	Last pull	Compressed size
eb5a575a83d2	linux/amd64	4 minutes ago	68.72 MB

Pulling the image

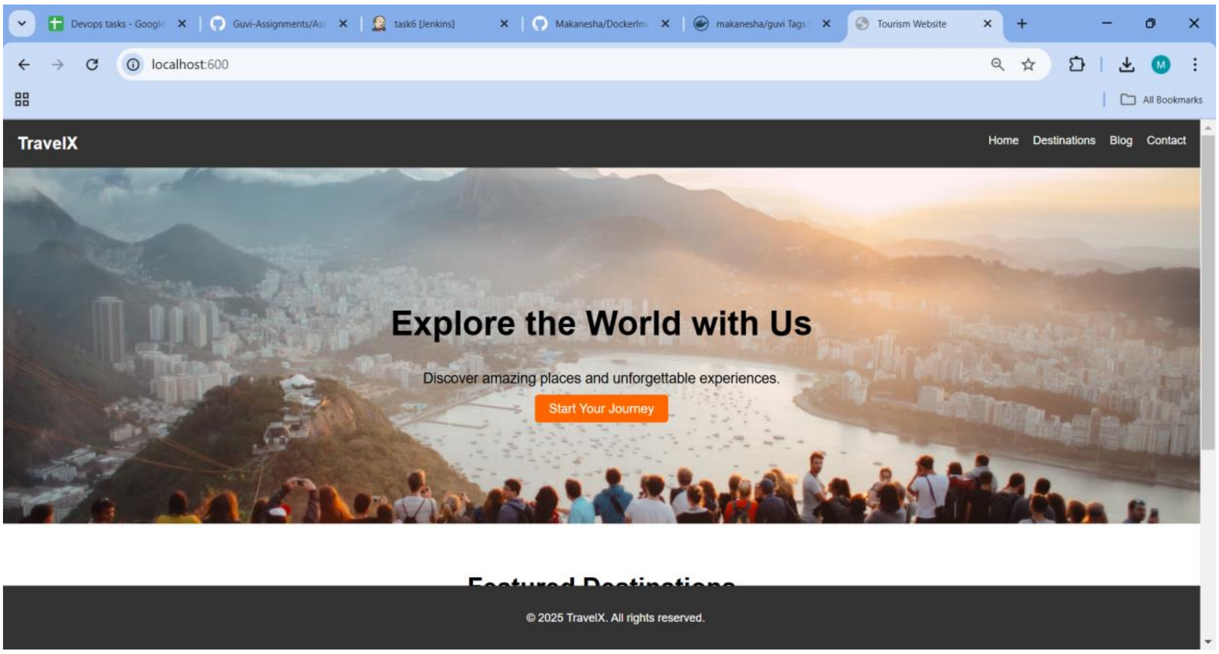


```
root@LAPTOP-6I133M48:/home/makanesha# docker pull makanesha/guvi:latest
latest: Pulling from makanesha/guvi
Digest: sha256:609b4fb254aaefd1a2520740c4c838191c3696138bbbfc1f47dbc713ddeb3602
Status: Image is up to date for makanesha/guvi:latest
docker.io/makanesha/guvi:latest
```



```
root@LAPTOP-6I133M48:/home/makanesha# docker run -itd -p 600:80 makanesha/guvi:latest
20667ffae1031ac2435cd30c353084e4ac7940472e2f2431fe1425eb53bbd0ae
root@LAPTOP-6I133M48:/home/makanesha# 
```

http://localhost:600



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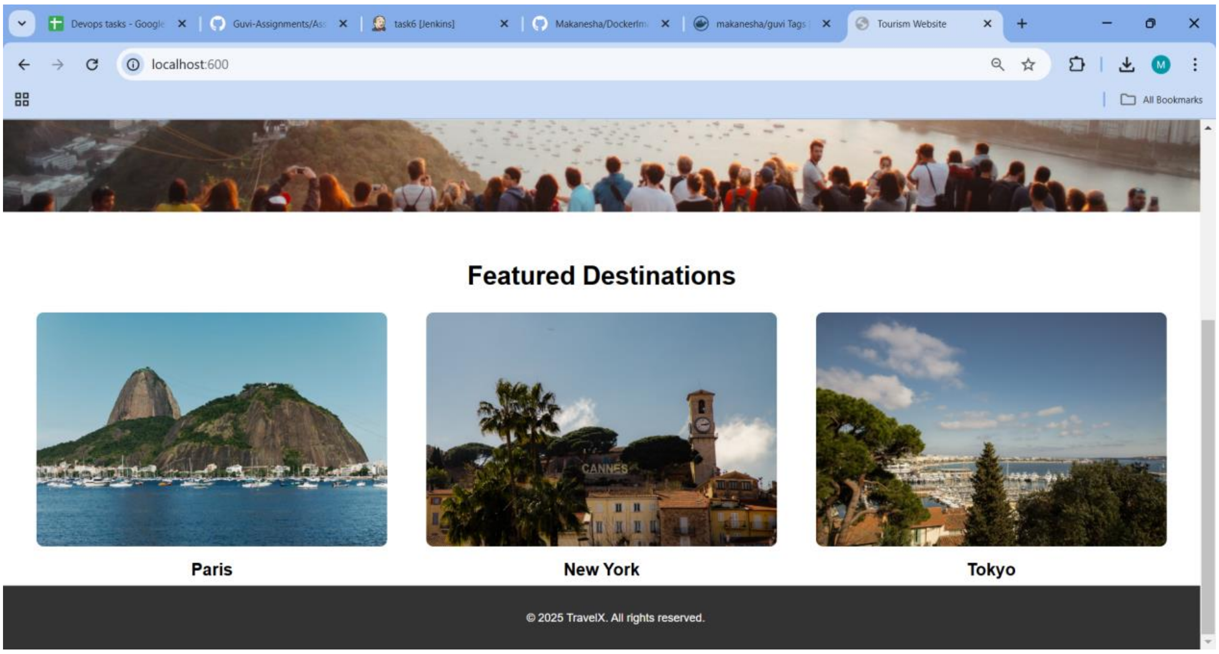

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