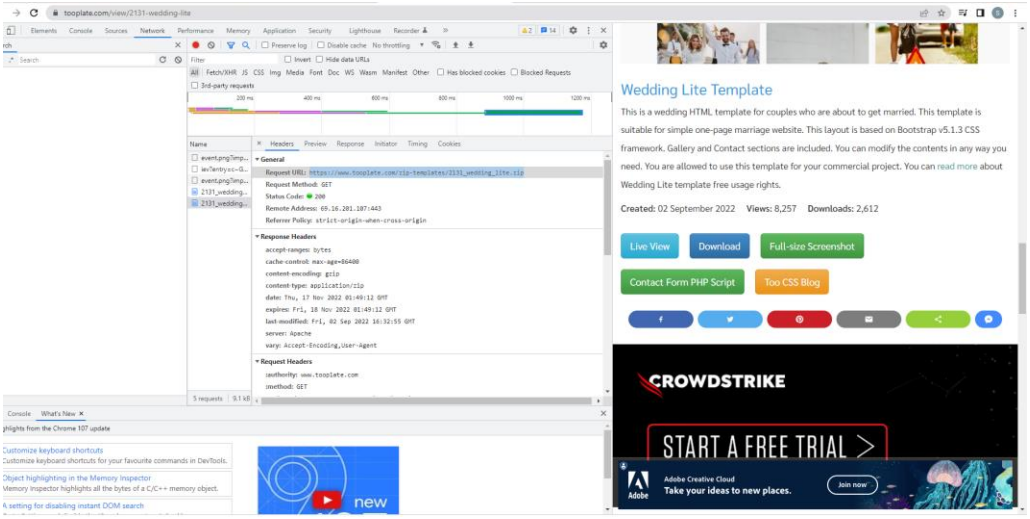
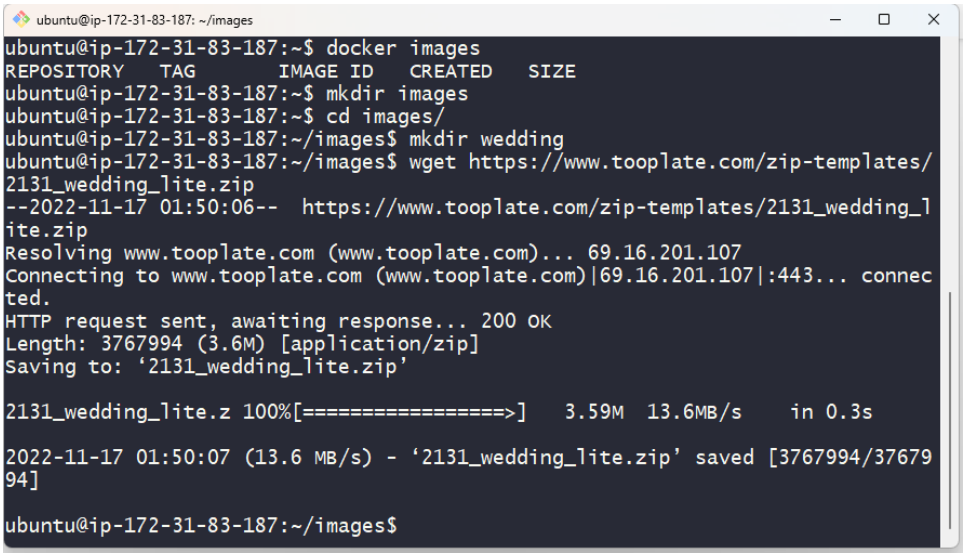
Host a website in the container

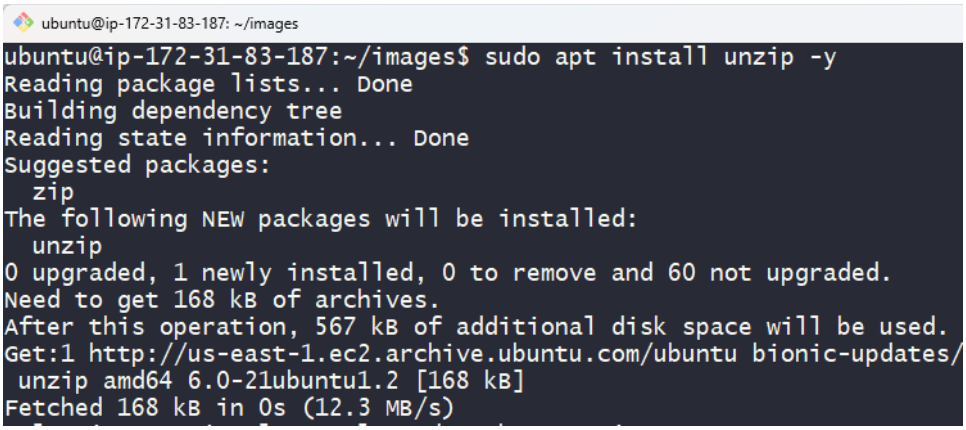
1. Get the Download zip url from tooplate.com site



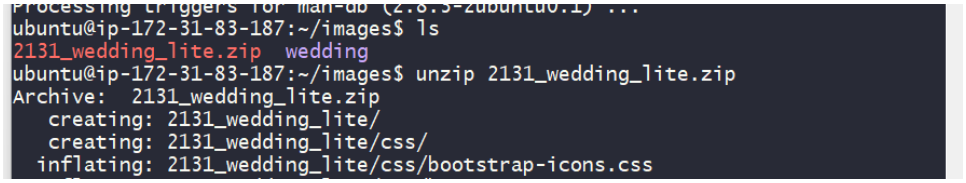
2. Download the zip file in VM.



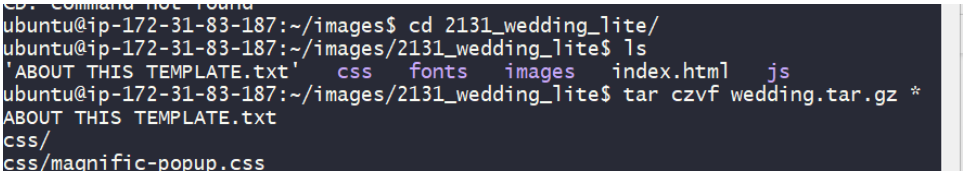
3. To install unzip on VM



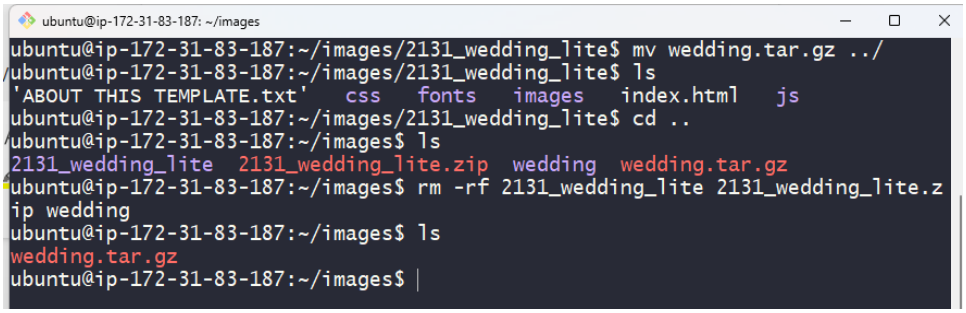
4. Unzip the files,



5. Tar all the files into a directory



6. Removing unwanted directories



7. Move the tar into wedding directories

```
ubuntu@ip-172-31-83-187:~/images$ mkdir wedding
ubuntu@ip-172-31-83-187:~/images$ mv wedding.tar.gz wedding/
ubuntu@ip-172-31-83-187:~/images$ ls
wedding
ubuntu@ip-172-31-83-187:~/images$ cd wedding/
ubuntu@ip-172-31-83-187:~/images/wedding$ ls
wedding.tar.gz
ubuntu@ip-172-31-83-187:~/images/wedding$ cd ..
ubuntu@ip-172-31-83-187:~/images$
```

8. Create a Dockerfile,

ubuntu@ip-172-31-83-187: ~/images/wedding

```
FROM ubuntu:latest
LABEL "Author"="Satz"
LABEL "Project"="wedding"
ENV DEBIAN_FRONTEND=noninteractive
RUN apt update && apt install git -y
RUN apt install apache2 -y
CMD ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]
EXPOSE 80
WORKDIR /var/www/html
VOLUME /var/log/apache2
ADD wedding.tar.gz /var/www/html
```

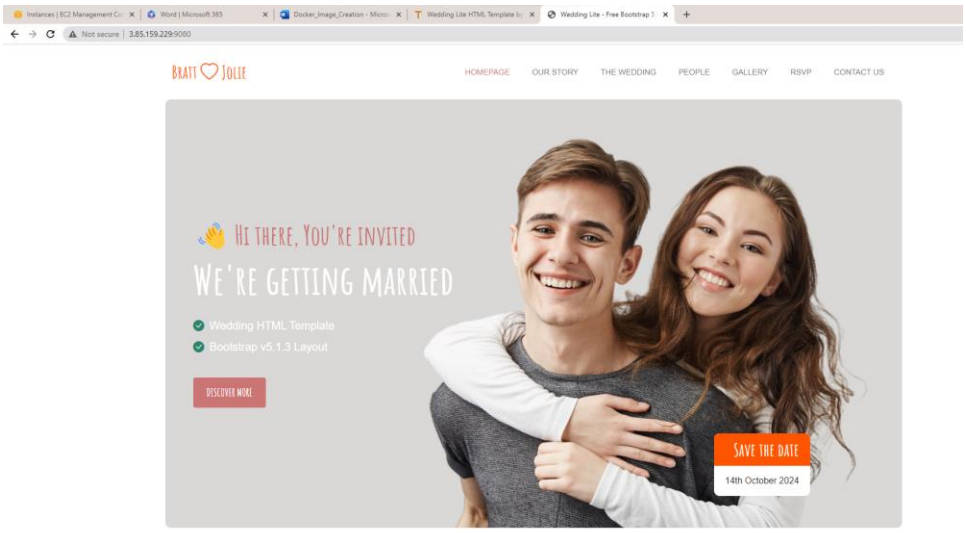
9. Build a docker image,

```
cc
ubuntu@ip-172-31-83-187:~/images/wedding$ clear
ubuntu@ip-172-31-83-187:~/images/wedding$ docker build -t wedd_img:V2 .
Sending build context to Docker daemon  3.771MB
Step 1/11 : FROM ubuntu:latest
 ---> a8780b506fa4
Step 2/11 : LABEL "Author"="Satz"
```

10. Run the container,

```
ubuntu@ip-172-31-83-187: ~/images/wedding
ubuntu@ip-172-31-83-187:~/images/wedding$ docker run -d --name weddingwebsite
-p 9080:80 wedd_img:v2
e82b8aaaaa193a139e5d91faaa3b926208a815800b04d466c63d558db0bc88bb
ubuntu@ip-172-31-83-187:~/images/wedding$ docke rps

Command 'docke' not found, did you mean:

  command 'docky' from deb docky
  command 'docker' from deb docker.io

Try: sudo apt install <deb name>

ubuntu@ip-172-31-83-187:~/images/wedding$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS
        PORTS                                       NAMES
e82b8aaaaa19   wedd_img:v2    "/usr/sbin/apache2ct…"   11 seconds ago   Up 9 se
conds   0.0.0.0:9080->80/tcp, :::9080->80/tcp   weddingwebsite
ubuntu@ip-172-31-83-187:~/images/wedding$
```

11. The application is now running on the container,



12. Login to the docker hub,

```
ubuntu@ip-172-31-83-187:~/images/wedding$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don'
t have a Docker ID, head over to https://hub.docker.com to create one.
Username: satzweb
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/conf
ig.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ubuntu@ip-172-31-83-187:~/images/wedding$
```

13. Build a docker images with repo name/img name

```
Build an image from a Dockerfile
ubuntu@ip-172-31-83-187:~/images/wedding$ clear
ubuntu@ip-172-31-83-187:~/images/wedding$ docker build -t satzweb/wedding_img:
V3 .
Sending build context to Docker daemon  3.771MB
```

14. Now push the image,

```
ubuntu@ip-172-31-83-187:~/images/wedding$ docker push satzweb/wedding_img:V3
The push refers to repository [docker.io/satzweb/wedding_img]
73c8e6a2c2a8: Pushed
6fb77e8996aa: Pushed
89e88f9c46a0: Pushed
f4a670ac65b6: Mounted from library/ubuntu
V3: digest: sha256:47020c5dd91bfb30f382f8ab16c7aee8541c90f56e61fa02f8a33034df6
3834c size: 1164
ubuntu@ip-172-31-83-187:~/images/wedding$
```

15. Removed all the docker images from the repository,

```
ubuntu@ip-172-31-83-187:~/images/wedding$ docker images
REPOSITORY   TAG       IMAGE ID       CREATED       SIZE
ubuntu       latest    a8780b506fa4   2 weeks ago   77.8MB
ubuntu@ip-172-31-83-187:~/images/wedding$ docker rmi a8780b506fa4
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:4b1d0c4a2d2aaf63b37111f34eb9fa89fa1bf53dd6e4ca954d47ca
ebca4005c2
Deleted: sha256:a8780b506fa4eeb1d0779a3c92c8d5d3e6a656c758135f62826768da458b52
35
Deleted: sha256:f4a670ac65b68f8757aea863ac0de19e627c0ea57165abad8094eae512ca7d
ad
ubuntu@ip-172-31-83-187:~/images/wedding$ docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
ubuntu@ip-172-31-83-187:~/images/wedding$ clear
ubuntu@ip-172-31-83-187:~/images/wedding$
```

16. To pull images from dockerhub and host a container,

```
ubuntu@ip-172-31-83-187:~/images/wedding$ docker run -d --name mywebsite -p 90
80:80 satzweb/wedding_img:V3
Unable to find image 'satzweb/wedding_img:V3' locally
V3: Pulling from satzweb/wedding_img
e96e057aae67: Pull complete
d93865f0ec54: Pull complete
1609e557b854: Pull complete
0f23323a47be: Pull complete
Digest: sha256:47020c5dd91bfb30f382f8ab16c7aee8541c90f56e61fa02f8a33034df63834
c
Status: Downloaded newer image for satzweb/wedding_img:V3
07998f956298c5ceabaf3b238c8cf980157d32d834ade0498f5a1251d982078f
ubuntu@ip-172-31-83-187:~/images/wedding$ docker images
REPOSITORY            TAG       IMAGE ID       CREATED             SIZE
satzweb/wedding_img   V3        1d8895224b3a   About an hour ago   253MB
ubuntu@ip-172-31-83-187:~/images/wedding$ docker ps -a
CONTAINER ID   IMAGE                    COMMAND                  CREATED
    STATUS          PORTS                                  NAMES
07998f956298   satzweb/wedding_img:V3   "/usr/sbin/apache2ct…"   16 seconds ag
o   Up 15 seconds   0.0.0.0:9080->80/tcp, :::9080->80/tcp   mywebsite
ubuntu@ip-172-31-83-187:~/images/wedding$
```