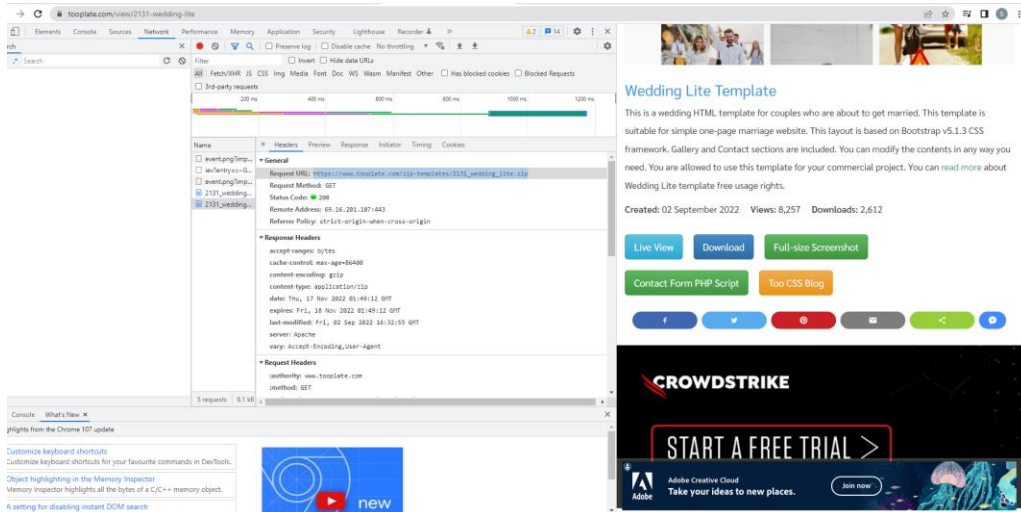


Host a website in the container

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



2. Download the zip file in VM.

```
ubuntu@ip-172-31-83-187: ~/images
ubuntu@ip-172-31-83-187:~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu@ip-172-31-83-187:~$ mkdir images
ubuntu@ip-172-31-83-187:~$ cd images/
ubuntu@ip-172-31-83-187:~/images$ mkdir wedding
ubuntu@ip-172-31-83-187:~/images$ wget https://www.tooplate.com/zip-templates/2131_wedding_lite.zip
--2022-11-17 01:50:06-- https://www.tooplate.com/zip-templates/2131_wedding_lite.zip
Resolving www.tooplate.com (www.tooplate.com)... 69.16.201.107
Connecting to www.tooplate.com (www.tooplate.com)|69.16.201.107|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3767994 (3.6M) [application/zip]
Saving to: '2131_wedding_lite.zip'

2131_wedding_lite.z 100%[=====] 3.59M 13.6MB/s in 0.3s

2022-11-17 01:50:07 (13.6 MB/s) - '2131_wedding_lite.zip' saved [3767994/3767994]

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

3. To install unzip on VM

```
ubuntu@ip-172-31-83-187: ~/images
ubuntu@ip-172-31-83-187:~/images$ sudo apt install unzip -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  zip
The following NEW packages will be installed:
  unzip
0 upgraded, 1 newly installed, 0 to remove and 60 not upgraded.
Need to get 168 kB of archives.
After this operation, 567 kB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/
unzip amd64 6.0-21ubuntu1.2 [168 kB]
Fetched 168 kB in 0s (12.3 MB/s)
```

4. Unzip the files,

```
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
ubuntu@ip-172-31-83-187:~/images$ ls
2131_wedding_lite.zip  wedding
ubuntu@ip-172-31-83-187:~/images$ unzip 2131_wedding_lite.zip
Archive: 2131_wedding_lite.zip
  creating: 2131_wedding_lite/
  creating: 2131_wedding_lite/css/
  inflating: 2131_wedding_lite/css/bootstrap-icons.css
```

5. Tar all the files into a directory

```
cd: Command not found
ubuntu@ip-172-31-83-187:~/images$ cd 2131_wedding_lite/
ubuntu@ip-172-31-83-187:~/images/2131_wedding_lite$ ls
'ABOUT THIS TEMPLATE.txt'  css  fonts  images  index.html  js
ubuntu@ip-172-31-83-187:~/images/2131_wedding_lite$ tar czvf wedding.tar.gz *
ABOUT THIS TEMPLATE.txt
css/
css/magnific-popup.css
```

6. Removing unwanted directories

```
ubuntu@ip-172-31-83-187: ~/images
ubuntu@ip-172-31-83-187:~/images/2131_wedding_lite$ mv wedding.tar.gz ../
ubuntu@ip-172-31-83-187:~/images/2131_wedding_lite$ ls
'ABOUT THIS TEMPLATE.txt'  css  fonts  images  index.html  js
ubuntu@ip-172-31-83-187:~/images/2131_wedding_lite$ cd ..
ubuntu@ip-172-31-83-187:~/images$ ls
2131_wedding_lite  2131_wedding_lite.zip  wedding  wedding.tar.gz
ubuntu@ip-172-31-83-187:~/images$ rm -rf 2131_wedding_lite 2131_wedding_lite.z
ip wedding
ubuntu@ip-172-31-83-187:~/images$ ls
wedding.tar.gz
ubuntu@ip-172-31-83-187:~/images$ |
```

7. Move the tar into wedding directories

```
wedding.tar.gz
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,

```
Deleted: sha256:79c8c6a099712e993e99802f4de92e67ad92e9682c70c97f70209a197ac260
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,

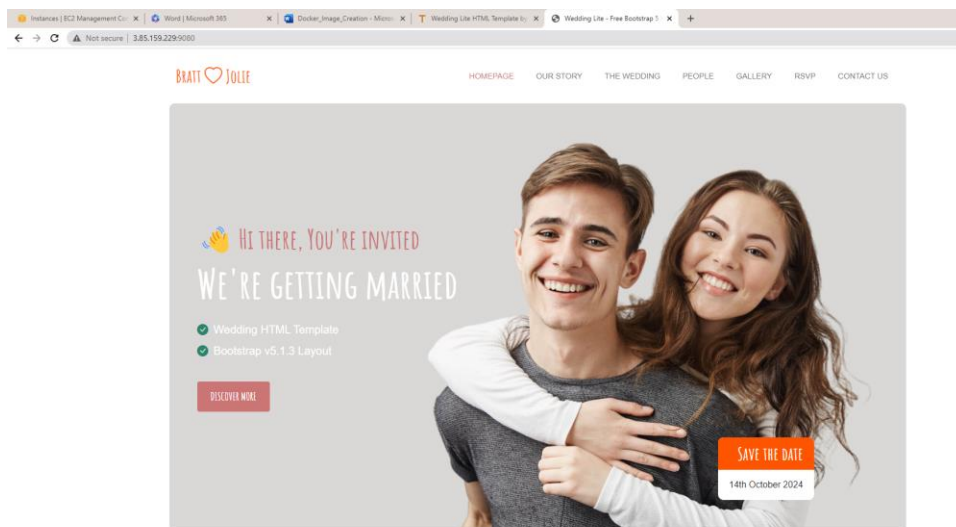
```
ubuntu@ip-172-31-83-187: ~/images/wedding
ubuntu@ip-172-31-83-187:~/images/wedding$ docker run -d --name weddingwebsite
-p 9080:80 wedd_img:v2
e82b8aaaaa193a139e5d91faaa3b926208a815800b04d466c63d558db0bc88bb
ubuntu@ip-172-31-83-187:~/images/wedding$ docke rps

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,

```
ed: incorrect username or password
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: sha256:47020c5dd91bf30f382f8ab16c7aee8541c90f56e61fa02f8a33034df6
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: sha256:47020c5dd91bf30f382f8ab16c7aee8541c90f56e61fa02f8a33034df63834
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$
```

