

Requirements

How to install docker on Ubuntu:

1) Update and upgrade ubuntu

```
sudo apt-get update && sudo apt-get upgrade
```

2) Install the Docker CE

```
sudo apt-get install docker-ce
```

Install the containers

Execute the shell script to install the docker containers.

```
sh deploy.sh
```

Which deploys the containers for angular and flask.

```
docker build -t flask . && docker run -d -p 9999:9999 -t flask  
docker build -t angular . && docker run -d -p 8888:80 -t angular
```

docker build – builds the container by using the dockerfile

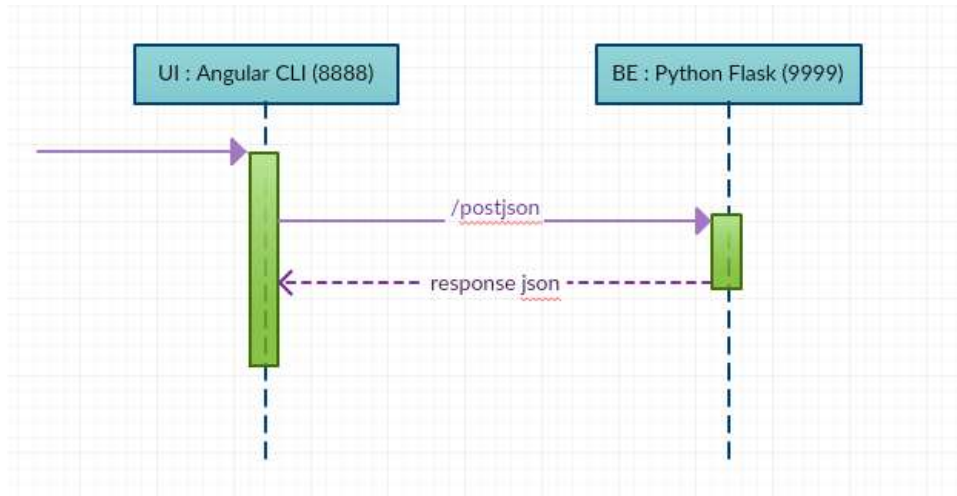
docker run – runs the docker container on a specific port

Rest API

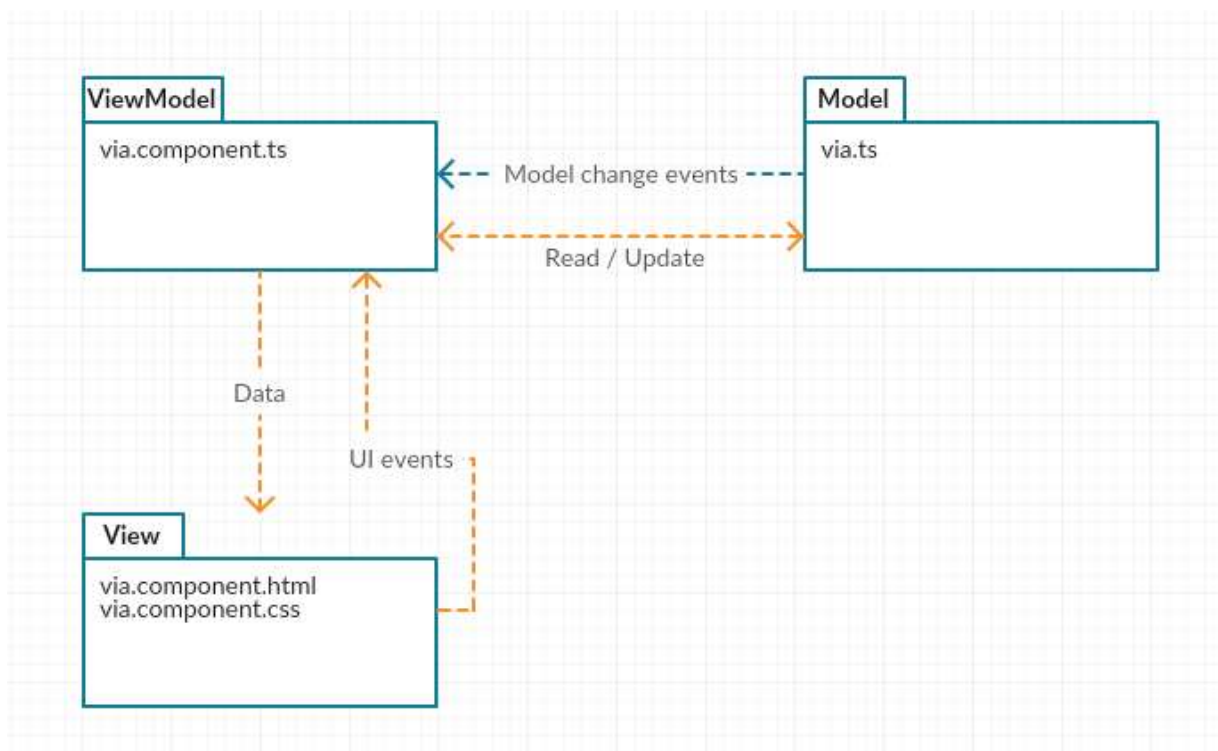
Endpoint	Http Action	Input	Ouput
http://ip:port/postjson	POST	{ "request" : "[input]" }	{"response"="success["[output]"]" }

Diagrams

System sequence diagram



Frontend architecture



Backend architecture

