

1. Send a POST to <url>/messages with “message” = “foo”. We return a sha256 hash digest.

```
C:\Users\Jeff>curl -i -X POST -H "Content-Type:application/json" -d "{\"message\": \"foo\"}" https://dimarco_paxos.servo.net/messages
HTTP/1.1 200 OK
Content-Length: 78
Content-Type: application/json
Date: Sat, 17 Nov 2018 21:51:57 GMT
Server: Werkzeug/0.14.1 Python/3.6.6

{"digest":"2c26b46b68ffc68ff99b453c1d30413413422d706483bfa0f98a5e886266e7ae"}

C:\Users\Jeff>
jeff@jeff-VirtualBox:~/code/paxos1$ flask run
* Environment: production
  WARNING: Do not use the development server in a production environment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [17/Nov/2018 16:51:57] "POST /messages HTTP/1.1" 200 -
```

2. Send another POST to <url>/messages with “message” = “bar”. We return a different sha256 hash digest

```
C:\Users\Jeff>curl -i -X POST -H "Content-Type:application/json" -d "{\"message\": \"bar\"}" https://dimarco_paxos.servo.net/messages
HTTP/1.1 200 OK
Content-Length: 78
Content-Type: application/json
Date: Sat, 17 Nov 2018 21:52:43 GMT
Server: Werkzeug/0.14.1 Python/3.6.6

{"digest":"fcde2b2edba56bf408601fb721fe9b5c338d10ee429ea04fae5511b68fbf8fb9"}

C:\Users\Jeff>
jeff@jeff-VirtualBox:~/code/paxos1$ flask run
* Environment: production
  WARNING: Do not use the development server in a production environment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [17/Nov/2018 16:51:57] "POST /messages HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:52:43] "POST /messages HTTP/1.1" 200 -
```

- Using the hash digest from (1), send a GET to <url>/messages/<hash>. We see the the previous “message”=“foo”.

```
C:\Users\Jeff>curl -i https://dimarco_paxos.serveo.net/messages/2c26b46b68ffc68ff99b453c1d30413413422d706483bfa0f98a5e886266e7ae
HTTP/1.1 200 OK
Content-Length: 18
Content-Type: application/json
Date: Sat, 17 Nov 2018 21:53:34 GMT
Server: Werkzeug/0.14.1 Python/3.6.6

{"message":"foo"}
C:\Users\Jeff>
```

```
Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [17/Nov/2018 16:51:57] "POST /messages HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:52:43] "POST /messages HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:53:34] "GET /messages/2c26b46b68ffc68ff99b453c1d30413413422d706483bfa0f98a5e886266e7ae HTTP/1.1" 200 -
```

- Using the hash digest from (2), send a GET to <url>/messages/<hash>. We see the previous “message”=“bar”.

```
C:\Users\Jeff>curl -i https://dimarco_paxos.serveo.net/messages/fcde2b2edba56bf408601fb721fe9b5c338d10ee429ea04fae5511b68fbf8fb9
HTTP/1.1 200 OK
Content-Length: 18
Content-Type: application/json
Date: Sat, 17 Nov 2018 21:54:00 GMT
Server: Werkzeug/0.14.1 Python/3.6.6

{"message":"bar"}
C:\Users\Jeff>
```

```
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [17/Nov/2018 16:51:57] "POST /messages HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:52:43] "POST /messages HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:53:34] "GET /messages/2c26b46b68ffc68ff99b453c1d30413413422d706483bfa0f98a5e886266e7ae HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2018 16:54:00] "GET /messages/fcde2b2edba56bf408601fb721fe9b5c338d10ee429ea04fae5511b68fbf8fb9 HTTP/1.1" 200 -
```

