Swagger based Calc App

Mostly using

Run server

```
./run_server.sh
```

Using Curl

```
curl -k -H 'X-API-Key:abcd' 'https://127.0.0.1:4433/add?a=1&b=211'
curl -k -i -H 'Content-Type: application/keyauth.api.v1+json' -H 'X-API-
Key:abcd' 'https://127.0.0.1:4433/add?a=1&b=211'

curl -k -H 'X-API-Key:abcd' 'https://127.0.0.1:4433/subtract?a=1&b=11'
curl -k -i -H 'Content-Type: application/keyauth.api.v1+json' -H 'X-API-
Key:abcd' 'https://127.0.0.1:4433/subtract?a=1&b=11'
```

Senerate Client and Server from swagger spec

swagger generate server -A calc-app -P models.Principal -f ./swagger.yaml swagger generate client -A calc-app -P models.Principal -f ./swagger.yaml

I have done this already

Generate certs

```
ssh-keygen -t rsa -b 4096 -C "your_email@example.com" -m PEM -f k -P "" >
k.pem
openssl req -new -x509 -key ./k -out cacert.pem -days 1095
```
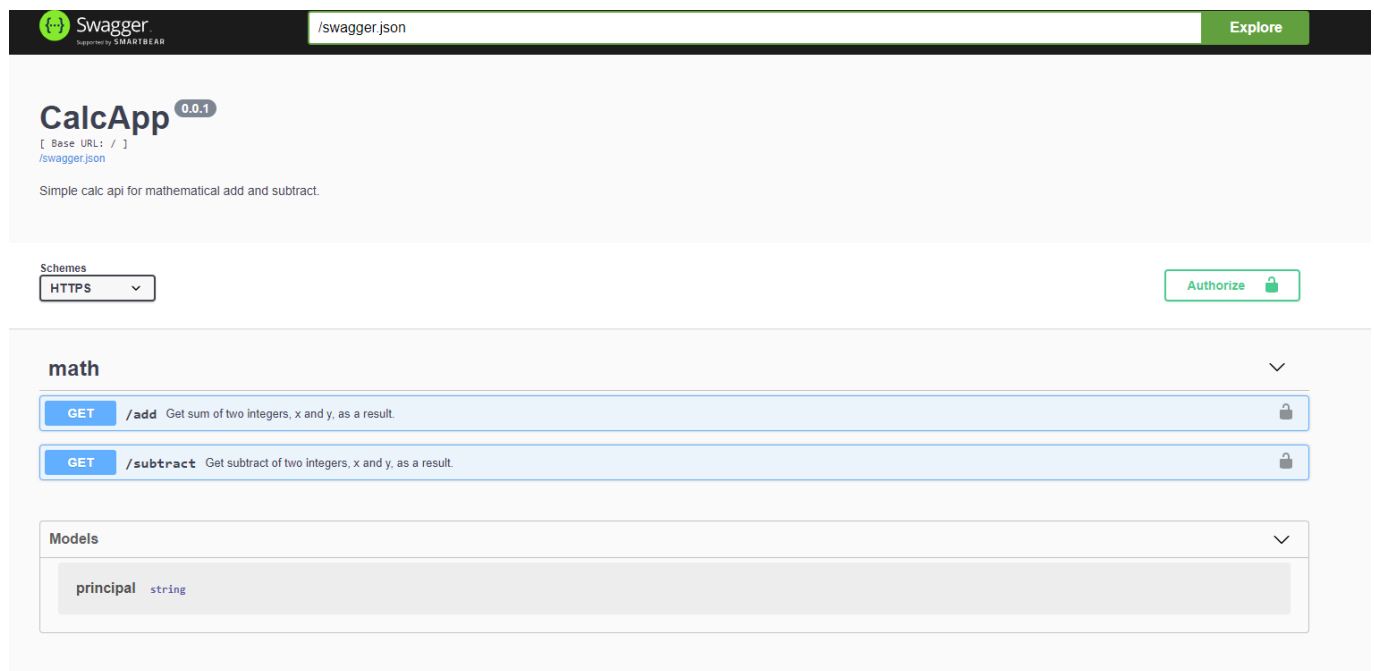
I have done this already

Documentation

Notes:

1. Don't forget 'X-API-Key:abcd' header for authentication.
2. Use ModHeader extension for Chrome
3. When accessing below url, accept certificate errors, since it is not part of valid CA chain and is self-signed.

```
https://127.0.0.1:4433/docs
```


vscode plugin for swagger.yaml

OpenAPI (Swagger) Editor or use online at https://editor.swagger.io/