**Api Specification**

**Host -> 127.0.0.1**

**Port -> 9020**

**Db -> Mongodb**

**ServerUrl -> 127.0.0.1:9020**

* **Delete All Trades**

url -> ServerUrl /erase

Requset Type -> Delete

Response Code -> 200

Description -> Will delete all the trade of collection

* **Save Trade data**

url -> ServerUrl /trades

Requset Type -> post

Response Code -> 201 when trade data is saved..400 when trade id is duplication

Description -> Will save trade data ..trade data to send in body

trade = {

"id": unique trade id

"type": buy/sell,

"user": {

"id": unque user id

"name": use name

},

"symbol": script name

"shares": number of share trades

"price": price of trade,

"timestamp": time of trade

}

* **Get All trade Data**

url -> ServerUrl /trades

Requset Type -> get

Response Code -> 200

Description -> returns all trade data order by ascending trade id

* **Get All trade Data by userid**

url -> ServerUrl /trades/users/:userId

Requset Type -> get

Response Code -> 200 when data is found , 404 when not data is found

Description -> returns all trade data of user order by ascending trade id

* **Get All trade Data by script ,tradetype and in between date**

url -> ServerUrl /stocks/:stockSymbol/trades?type={tradeType}&start={startData}&end={endDate}

Requset Type -> get

Response Code -> 404 when not data is found of specified by scriptname .else will return 200

Description -> returns trades sepecified by scriptname ,tradetype and between start dates and

End date

* **Get stock max and min price by script and in between date**

url -> ServerUrl /stocks/:stockSymbol/price?start={startData}&end={endDate}

Requset Type -> get

Response Code -> 404 when not data is found of specified by scriptname .else will return 200

Description -> returns trades max and min of price of stock in between start dates and

End date

**Unit Testing**

* Mocha and Chai has been used for unit testing
* Install the dependency using npm
* Three Script -> stock\_handler\_test.js,trade\_handler\_test.js,misc\_test.js
* Run script from repository directory

Running Test Script

misc\_test.js ->use “mocha misc\_test” to run the test , will drop the data in db

stock\_handle\_test.js -> initialize startdate,enddate and tradetype at top of file

.Change the scriptSymbol.

-> use “mocha stock\_handler\_test“ to run the test

trade\_handler\_test.js -> initialize trade object with unique id first time and with same id next time ..

-> use “mocha trade\_handler\_test“ to run the test