API References

The Portfolio API is organized around REST. These API accepts JSON data and return JSON

responses and use standard HTTP responses.

BASE URL:

[http://ec2-52-90-119-219.compute-1.amazonaws.com:8080](http://ec2-52-90-119-219.compute-1.amazonaws.com:8080/api/securities)

Securities

**1.GET ALL SECURITY**

*ENDPOINT - GET /api/securities*

This is an array of security object returning view of all securities in the portfolio.

[

{

"\_id": "5f423deb5c7e47001095c9eb",

"ticker": "XYZ",

"avgBuyPrice": 567,

"shares": 10,

"\_\_v": 0

}

]

**2.CREATE OR ADD SECURITY**

*ENDPOINT - POST /api/securities*

This takes a security object and adds it to a portfolio. Any new security which needs to be added should use this API.

Sample security object:

{

"ticker":"XYZ",

"avgBuyPrice":567,

"shares":10

}

Creates a security object with a unique id :

{

"\_id": "5f423deb5c7e47001095c9eb",

"ticker": "XYZ",

"avgBuyPrice": 567,

"shares": 10,

"\_\_v": 0

}

**3.GET A SECURITY BY ID**

*ENDPOINT - GET - /api/securities/:id*

Returns security by a unique id

{

"\_id": "5f4243a2c497680010e75be8",

"ticker": "TCS",

"avgBuyPrice": 2000,

"shares": 10,

"\_\_v": 0

}

**4.UPDATE A SECURITY BY ID**

*ENDPOINT - PUT - /api/securities/:id*

Updates the avgBuyPrice, shares attribute by the ID provided. Also, contain an extra attribute which helps in deciding whether it is a BUY or SELL share.

{

"avgBuyPrice": 111,

"shares": 3,

"sign":"BUY"

}

**5.DELETE A SECURITY BY ID**

*ENDPOINT - DELETE - /api/securities/:id*

Removes security from the portfolio.

**6.GET TOTAL RETURNS OF ALL THE SECURITY**

*ENDPOINT - POST - /api/securities/getreturns*

Takes an array of security objects with the current price present in the portfolio and fetches the total return.

[

{

"\_id": "5f3f99a618c78150e4812cb5",

"ticker": "XYZ",

"currentPrice": 108,

"shares": 40,

"\_\_v": 0

},

{

"\_id": "5f3fa7decf990226d0bff442",

"ticker": "WIPRO",

"currentPrice": 90,

"shares": 20,

"\_\_v": 0

}

]

Response:

{

"returns": -300

}