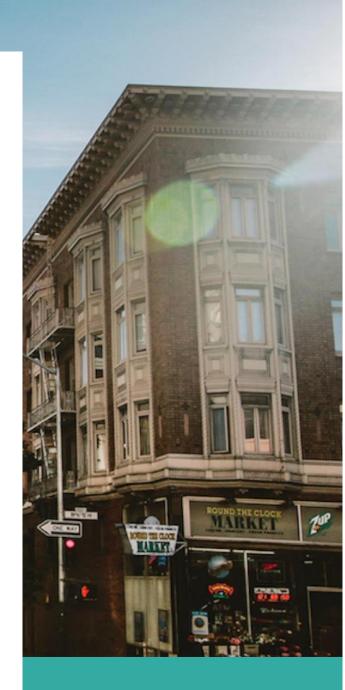


Smallcase

Backend task Documentation



Sept 10

Harshit Singhai
Software Engineer

Smallcase Portfolio Tracking API.

Portfolio Tracking API.

A portfolio tracking API which allows adding/deleting/updating trades and can do basic return calculations etc. For simplicity, we assume there is only one user who can have single portfolio.

Basic functionality includes -

- 1. Get all trades from portfolio
- 2. Add trade to portfolio
- 3. Buy Shares
- 4. Sell Shares
- 5. Remove trade from portfolio Get all holdings.
- 6. Get cumulative returns of portfolio.

Heroku Base URL: https://harshit-portfolio-tracking.herokuapp.com/

Trade URL: https://harshit-portfolio-tracking.herokuapp.com/trade

Portfolio URL: https://harshit-portfolio-tracking.herokuapp.com/portfolio

Postman Collection: https://www.getpostman.com/collections/3bdf4af0c492373202d7

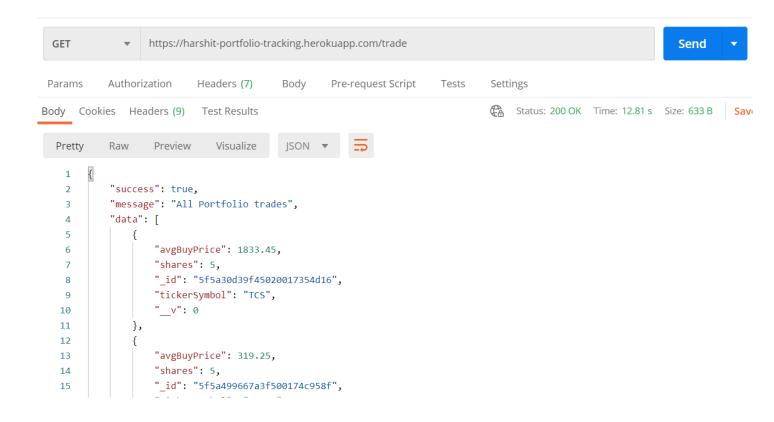
Documentation: https://documenter.getpostman.com/view/7585955/TVCmT5c3

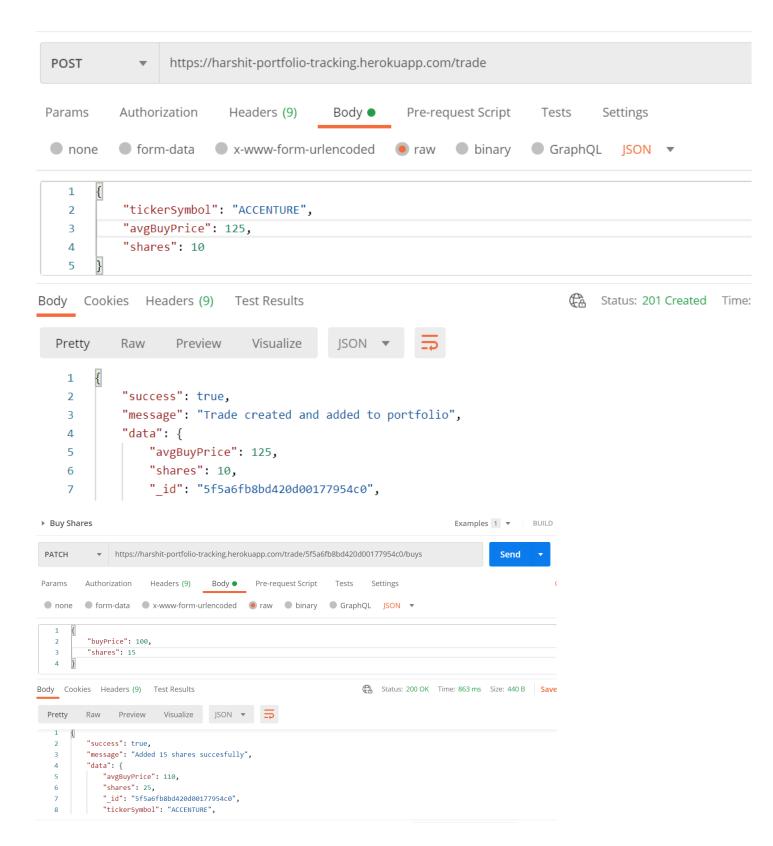
Getting started:

- 1) git clone https://github.com/harshitsinghai77/portfolio-tracking-node-API.git
- 2) Navigate to folder
- 3) Run npm install
- 4) node app.js

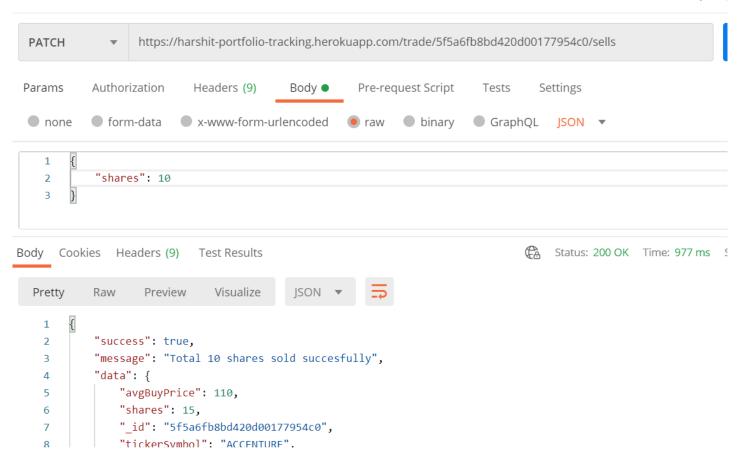
Working Demo

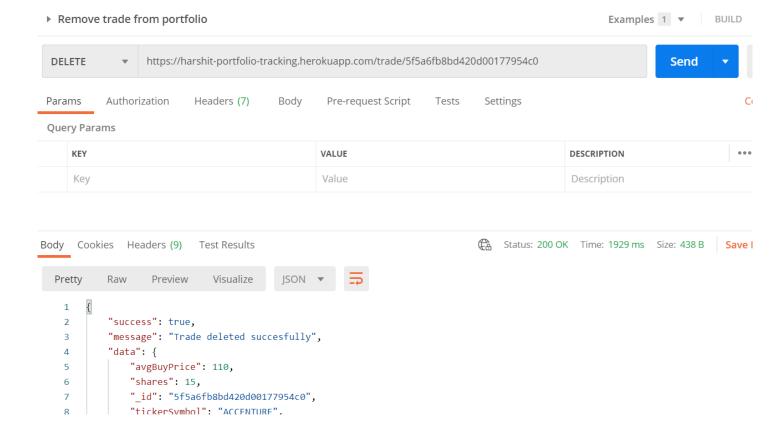
The following screenshots will help with the payload and the expected result



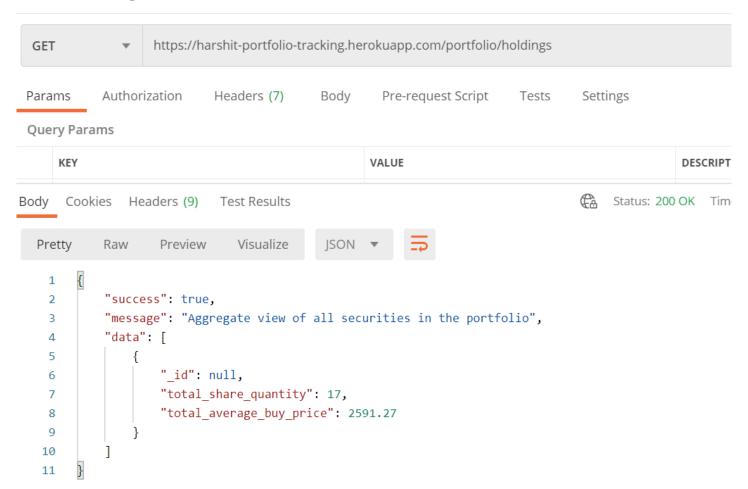


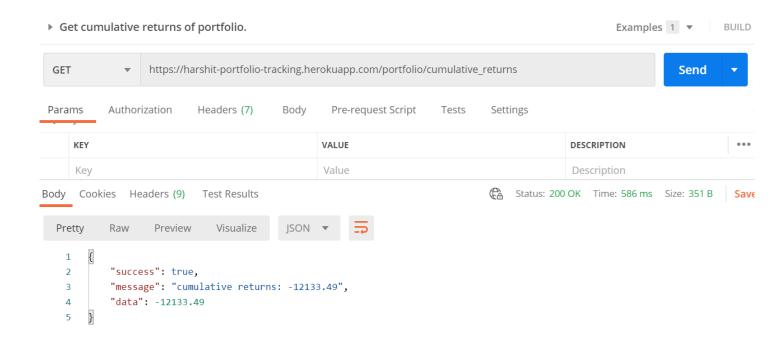
▶ Sell Shares Examples





▶ Get all holdings





Important Notes:

- 1. The API expects PATCH request and not PUT request
- 2. "/trade/:trade_id/buys" and "/trade/:trade_id/sells" expects trade_id to be the _id of the document. You can _id from the https://harshit-portfolio-tracking.herokuapp.com/trade
- 3. Payload information can be find in the documentation here at Documentation: https://documenter.getpostman.com/view/7585955/TVCmT5c3
- 4. All the postman collection can be imported from https://www.getpostman.com/collections/3bdf4af0c492373202d7

Docstrings and comments

Docstrings and comments are included in the code as required.

Error handling

The below errors are handled in the flask app

- 1) Content type should be application/json
- 2) Post body cannot be empty.

Response format

All responses consists of the following format

1) success: boolean

2) message: string

3) data: Object

Thanks

Thank you for giving me this opportunity. I would love if you could provide a feedback. Looking forward to hearing from you soon

Find me at

https://www.linkedin.com/in/harshitsinghai/

https://github.com/harshitsinghai77

https://harshitsinghai77.github.io/

https://medium.com/@harshitsinghai77

Contact me at

harshitsinghai77@gmail.com

9560948115