

# Portfolio API

**All endpoints are protected and must be called with the authorization token passed in.**

`add_stock()`:

Endpoint Route: `portfolio/add_stock`

Add new stock to user portfolio. Expected input: `{"tickr": <valid_tickr>, "amount": <amount>, "shares":<shares>}`. Returns updated user portfolio on success.

`remove_stock()`:

Endpoint Route: `portfolio/remove_stock`

Removes a stock from user portfolio. Expected input: `{"tickr": <valid_tickr>}`. Returns updated user portfolio on success.

`buy_stock()`:

Endpoint Route: `portfolio/buy_stock`

Buy more of a stock already in the user's portfolio. Expected input: `{"tickr": <valid_tickr>, "amount": <amount>, "shares": <shares>}`. Returns updated user portfolio on success.

`sell_stock()`:

Endpoint Route: `portfolio/sell_stock`

Sell shares of a stock already in the user's portfolio. Expected input: `{"tickr": <valid_tickr>, "amount": <amount>, "shares": <shares>}`. Returns updated user portfolio on success.

`fetch_portfolio()`:

Endpoint Route: `portfolio/sell_stock`

Returns user portfolio on success.

To test the above endpoints by hand, do the following:

1. Copy and run the following code in `App.js`. to log in as the test user

```
const [token,setToken] = useState([])

//To log in as test user
useEffect(() => {
  fetch('/auth/login', {
    method: 'POST',
    body: JSON.stringify({
      "username": "john.doe", "password": "John@12345"
    })
  } ).then(
    res => res.json()
  ).then(
    token => {
      setToken(token);
      console.log(token)
    }
  )
}, [])
```

2. The browser console should spit out an authorization token. Copy the following code into App.js. Then, replace <JWT\_Token> with that token; replace <desired\_endpoint> with the endpoint that needs testing, and replace <arguments> with the appropriate JSON of inputs for the desired endpoint.

```
const [data, setData] = useState([])
//To test protected endpoints. Use JWT token outputted by code above
//Prepend all portfolio endpoints with '/portfolio'
//prepend all user authentication endpoints with '/auth'
useEffect(() => {
  fetch(<desired_endpoint>, {
    method: 'POST',
    headers: new Headers({
      'Authorization': 'Bearer ' + <JWT_token>
    }),
    body: JSON.stringify({
      <arguments>
    })
  }).then(
    res => res.json()
  ).then(
    data => {
      setToken(data);
      console.log(data)
    }
  )
}, [])
```