

check50

cs50/problems/2024/x/finance

:) app.py exists

Log

```
checking that app.py exists...
```

:) application starts up

Log

```
sending GET request to /  
checking that status code 200 is returned...
```

:) register page has all required elements

Log

```
sending GET request to /register  
found required "username" field  
found required "password" field  
found required "confirmation" field
```

:) registering user succeeds and portfolio page is displayed

Log

```
sending POST request to /register  
checking that status code 200 is returned...
```

:) registration with an empty field fails

Log

```
sending POST request to /register  
checking that status code 400 is returned...  
sending POST request to /register  
checking that status code 400 is returned...  
sending POST request to /register  
checking that status code 400 is returned...
```

:) registration with password mismatch fails

Log

```
sending POST request to /register  
checking that status code 400 is returned...
```

:) registration rejects duplicate username

Log

```
sending POST request to /register  
checking that status code 200 is returned...  
sending POST request to /register  
checking that status code 400 is returned...
```

:) login page has all required elements

Log

```
sending GET request to /signin  
sending GET request to /login  
found required "username" field  
found required "password" field
```

:) logging in as registered user succeeds

Log

```
sending GET request to /signin  
sending POST request to /login  
checking that status code 200 is returned...  
sending GET request to /  
checking that status code 200 is returned...
```

:) quote page has all required elements

Log

```
sending GET request to /signin  
sending POST request to /login  
sending GET request to /quote  
found required "symbol" field
```

:) quote handles invalid ticker symbol

Log

```
sending GET request to /signin  
sending POST request to /login  
sending POST request to /quote  
checking that status code 400 is returned...
```

:) quote handles blank ticker symbol

Log

```
sending GET request to /signin  
sending POST request to /login  
sending POST request to /quote  
checking that status code 400 is returned...
```

:(quote handles valid ticker symbol

Cause

expected to find "28.00" in page, but it wasn't found

Log

```
sending GET request to /signin  
sending POST request to /login  
sending POST request to /quote  
checking that status code 200 is returned...  
checking that "28.00" is in page
```

:) buy page has all required elements

Log

```
sending GET request to /signin  
sending POST request to /login  
sending GET request to /buy  
found required "symbol" field  
found required "shares" field
```

:) buy handles invalid ticker symbol

Log

```
sending GET request to /signin  
sending POST request to /login  
sending POST request to /buy  
checking that status code 400 is returned...
```

:) buy handles fractional, negative, and non-numeric shares

Log

```
sending GET request to /signin
sending POST request to /login
sending POST request to /buy
checking that status code 400 is returned...
sending POST request to /buy
checking that status code 400 is returned...
sending POST request to /buy
checking that status code 400 is returned...
```

:(buy handles valid purchase

Cause

expected to find "112.00" in page, but it wasn't found

Log

```
sending GET request to /signin
sending POST request to /login
sending POST request to /buy
sending POST request to /buy
checking that "112.00" is in page
```

:| sell page has all required elements

Cause

can't check until a frown turns upside down

:| sell handles invalid number of shares

Cause

can't check until a frown turns upside down

:| sell handles valid sale

Cause

can't check until a frown turns upside down

:| history page shows transactions

Cause

can't check until a frown turns upside down