

check50

cs50/problems/2025/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 login or 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 /login  
| found required "username" field  
| found required "password" field
```

:) logging in as registered user succeeds

Log

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

:) quote handles invalid ticker symbol

Log

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

:) quote handles blank ticker symbol

Log

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

:) quote handles valid ticker symbol

Log

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

:) buy handles invalid ticker symbol

Log

```
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 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

Log

```
sending POST request to /login
sending POST request to /buy
sending POST request to /buy
checking that "112.00" is in page
checking that "9,888.00" is in page
```

:) sell page has all required elements

Log

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

:) sell handles invalid number of shares

Log

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

:) sell handles valid sale

Log

```
sending POST request to /login
sending POST request to /sell
```

```
checking that "56.00" is in page
checking that "9,944.00" is in page
```

:) history page shows transactions

Log

```
sending POST request to /login
sending GET request to /history
checking that "28.00" is in page
checking that "AAAA" is in page
```