C$50 Finance

TODO

- read distribution code
- register
- quote
- buy
- index
- sell
- history
- additional feature

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- [ ] **read distribution code**
- [ ] register
- [ ] quote
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`application.py`

- lots of imports!

- ensures responses aren't cached

- configures Flask and Flask session

- configures CS50 Library to use SQLite database

- `@login_required`
  - in order to access given route, the user must be logged in

application.py

```python
def index():
    return apology("TODO")


@app.route("/buy", methods=["GET", "POST"])
@login_required
def buy():
    """Buy shares of stock."""
    return apology("TODO")
```

application.py

- **login** and **logout** are implemented
- **apology**
- **db.execute**

retrieve form submission data (POST)

HTML template	Python route

```
<input
name="name" .../>
```

```
request.form.get("name")
```

db.execute

```
rows = db.execute("SELECT cash
FROM users WHERE id = :id",
id=session["user_id"])
```

db.execute

```
rows = db.execute("SELECT cash
FROM users WHERE id = :id",
id=session["user_id"])
```

- always returns an array

```
rows[0]["cash"]
```

helpers.py

- **apology**
- **login_required**
- **lookup**
  - returns a **dict** with three keys
  - **name, price, symbol**
- **usd**

templates

- **apology.html**
- **layout.html**
- **login.html**

and more!

- **requirements.txt**
- **static/styles.css**