

TODO

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

register

- display form
- valid passwords?
- add user to database
- log them in

display form

- borrow from `login.html`
- need to add a password confirmation field
- via POST request
 - ▣ (know why?)

register

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retrieve form submission data (POST)

HTML template

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

Python route

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

valid passwords?

- make sure fields aren't left blank
 - ▣ else, apologize
 - ▣ return apology("Missing username!")
- make sure password and confirmation match
 - ▣ else, apologize

security!

- hash password
 - ▣ `pwd_context.encrypt`

register

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usernames

- usernames are a UNIQUE field in the database
- db.execute failure?

```
result = db.execute(...)  
if not result:  
    return apology("...")
```

SQL Queries: **INSERT**

```
db.execute("INSERT INTO users  
(username, hash)  
VALUES (:username, :hash)",  
username=request.form.get("user  
name"), hash=hash)
```

register

- display form
- valid passwords?
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- log them in

logging in

- once they register successfully, log them in automatically
- store their id in session
 - ▣ `session["user_id"]`