Casual Coding Member Directory - 2024-12-15

Participants: Browser, App, Passport, Mongo mySession, Mongo users, Mongo projects

GET /

- Browser → App: GET /
- App → Browser: Redirect to /register

POST /register

- Browser → App: POST /register
  - username
  - password
- App → Passport: register user

alt [error]

- Passport → Mongo projects: create user record
  - username
  - hashed password
  - salt
- Mongo projects → Passport: response

> TODO An error can occur here

- Passport → Mongo users: log new user in (i.e., create session)
- Mongo users → Passport: (response)
- Passport → App: user record
- App → Browser: redirect to /project_cards

- App → App: Redirect to /register
- App → Browser: redirect to /register error message

POST /login

- Browser → App: POST /login
  - username
  - password
- App → Passport: authenticate user
- Passport → Passport: from req.body, get:
  - username and
  - password
- Passport → Mongo users: get user info
- Mongo users → Passport: response

alt [user exists]

alt [Successful login]

- Passport → Mongo mySession: log in the user (i.e., create session)
- Mongo mySession → Passport: (response)
- Passport → App: session data
- App → Browser: redirect to /project_tables

[login failure]

- Passport → App: error
- App → App: log the error
- App → Browser: redirect to /login
  - session data

[no user is found]

- Passport → App: user not found
- App → Browser: redirect to /login

[error]

- Passport → App: error
- App → App: log the error
- App → Browser: redirect to /login

POST /submit

- Browser → App: POST /submit
  - email
  - project
  - percent_done
  - description
- App → Passport: ensureAuthenticated
- Passport → Passport: get user data from req

> checking for an active session

- Passport → Mongo mySession: req.isAuthenticated()
  - user
- Mongo mySession → Passport: response
- Passport → App: response

alt [user is not authenticated]

- App → Browser: redirect to /login

[user is authenticated]

- App → Mongo users: find user by ID
- Mongo users → App: response

alt [found user]

- App → Mongo projects: submit project:
  - email
  - project
  - percent_done
  - description
- Mongo projects → App: OK
- App → Browser: redirect to /project_tables

[user not found]

> TODO Handle this scenario

- App → Browser: redirect to /project_tables

[error]

- App → App: log the error
- App → Browser: error message