

Project Title: KinKin

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Preface

- The expected readership of this sprint documentation are the stakeholders, including the students, teaching assistant (TA), and professor.

Instructions

- Run `npm install` to install the dependencies
- Then run `npm test` to run the tests

Black Box Tests

We were unable to conduct more than three blackbox tests due to the current nature of our project. We need to set up a mock JWT capability to automate the user login process to allow for automated blackbox tests. All functionalities were ad-hoc tested to verify that they were working.

1. Marketplace search area
 - a. Location: `src/components/__tests__/marketplace.test.js`
 - b. What test case does & how to execute:
 - i. Test case renders a marketplace component, passing in an empty user
 - ii. The test confirms that all inputs in the form of the search area are present
 - iii. Run using “npm test”
 - c. Rationale:
 - i. The marketplace has many inputs that must be usable. This test confirms minimum operability of the marketplace
 - d. Result of executing:

```
PASS src/components/__tests__/marketplace.test.js
marketplace
✓ render marketplace component (281 ms)
```

- i.
- e. Was there a bug?
 - i. Yes, marketplace can access user.token without checking first if user exists. This will happen if the marketplace was somehow loaded while the user was logged out.
- 2. Requests
 - a. Location: src/App.test.js
 - b. What test case does & how to execute:
 - i. This test renders the training requests a PT has and confirms they are able to view them
 - c. Rationale:
 - i. This test confirms that PTs can view their training requests, per the functional requirement.
 - d. Result of executing:
 - i.

```
PASS src/App.test.js
```
 - e. Was there a bug?
 - i. No bugs.
- 3. Profile display features
 - a. Location: src/components/__tests__/profile.test.js
 - b. What test case does & how to execute:
 - i. Test case renders both a client and PT profile component.
 - ii. The test confirms that the client and PT's information is displayed.
 - iii. Run using "npm test".
 - c. Rationale:
 - i. The profile page is meant to display the user's information. This test confirms that this information is displayed.
 - d. Result of executing:
 - i.

```
PASS src/components/__tests__/profile.test.js
profile
✓ render profile page (91 ms)
```
 - e. Was there a bug?
 - i. No bugs.

White Box Tests

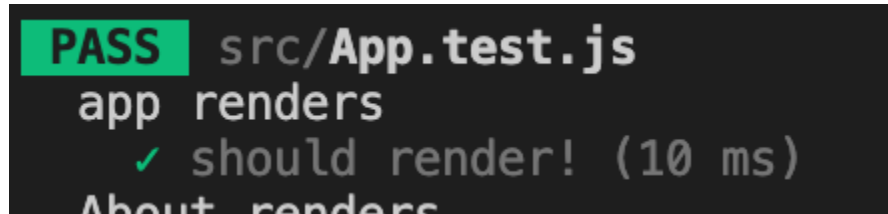
- 1. Chat
 - a. Location: src/components/__tests__/chat.test.js
 - b. What test case does & how to execute:
 - i. Test case renders a chat component, passing in a user's email as a prop.

- ii. The test then confirms if corresponding text is present in the document.
- iii. Run using “npm test”.
- c. Rationale:
 - i. We decided to test whether the chat rendered with the required fields, such as email. This confirms that the chat received the correct and necessary fields.
- d. Result of executing:

```
PASS src/components/__tests__/chat.test.js
```

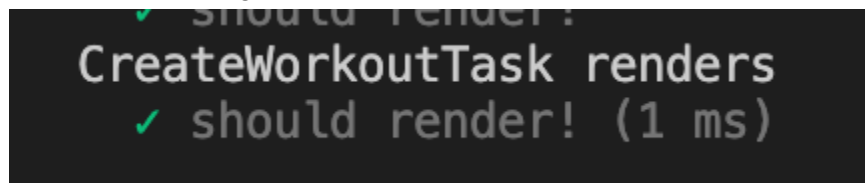
- e. Was there a bug?
 - i. No
 - 2. Navigation
 - a. Location: src/components/__tests__/nav.test.js
 - b. What test case does & how to execute:
 - i. Test case renders a navigation component, without any props. It then checks if a link that should not be present is null. It then renders the component passing in a user token, and checks that a new link should be present in the document.
 - ii. Run using “npm test”.
 - c. Rationale:
 - i. The test checks whether the navigation displays the correct links based on whether the user has been assigned a token or not.
 - d. Result of executing:
- ```
PASS src/components/__tests__/nav.test.js
```
- e. Was there a bug?
    - i. No
  - 3. Login
    - a. Location: src/components/\_\_tests\_\_/login.test.js
    - b. What test case does & how to execute:
      - i. The test case renders a login component. It then checks if the component correctly outputs the login button text.
      - ii. Run using “npm test”.
    - c. Rationale:
      - i. The test checks whether the component displays the Google Auth button, which is the first thing a user sees when they view the login page. This ensures the user has access to login.
    - d. Result of executing:
- ```
t PASS src/components/__tests__/login.test.js
```
- e. Was there a bug?
 - i. No
 - 4. App
 - a. Location: src/App.test.js
 - b. What test case does & how to execute:

- i. Test sees if routes are correctly rendered and if the app overall succeeds.
 - ii. Run using “npm test”.
- c. Rationale:
 - i. Need to quickly be able to test health of application, also see if routing is working correctly
- d. Result of executing:



```
PASS src/App.test.js
  app renders
    ✓ should render! (10 ms)
```

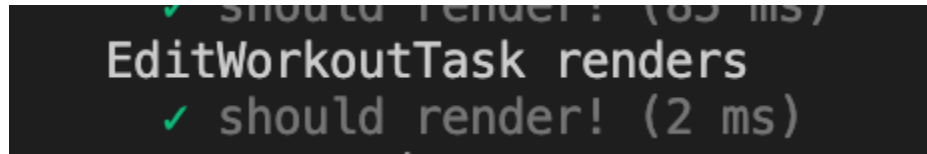
- ii. No
- 5. Create workout task
 - a. Location: src/App.test.js
 - b. What test case does & how to execute:
 - i. Tests to see if user is able to create a workout task.
 - ii. Run using “npm test”.
 - c. Rationale:
 - i. Need to be able to see if all the workout tasks are rendering, or if some are not being rendered correctly.
 - d. Result of executing:



```
CreateWorkoutTask renders
  ✓ should render! (1 ms)
```

- i. No
- 6. EditWorkoutTask
 - a. Location: src/App.test.js
 - b. What test case does & how to execute:
 - i. Test case dictates if the user is able to access the component that allows them to create workout tasks.
 - ii. Run using “npm test”.
 - c. Rationale:
 - i. If the user isn't able to edit their workout tasks, they are unable to workout! This would drive users away from the app, as it's a core functionality.

d. Result of executing:



```
✓ should render! (2 ms)
EditWorkoutTask renders
✓ should render! (2 ms)
```

e. Was there a bug?

i. No bugs!

7. WorkoutList

a. Location: src/App.test.js

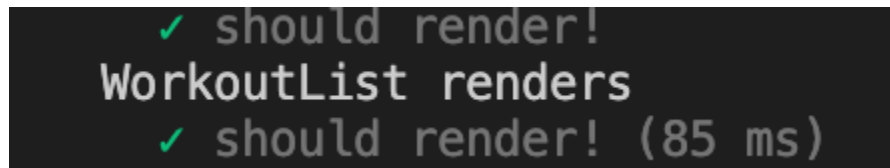
b. What test case does & how to execute:

- Test checks if all the elements or workout list are being rendered correctly.
- Run using "npm test".

c. Rationale:

- Need to be able to quickly see if workout list is correctly rendering

d. Result of executing:



```
✓ should render!
WorkoutList renders
✓ should render! (85 ms)
```

e. Was there a bug?

i. Nope!

8. 404 Page

a. Location: src/App.test.js

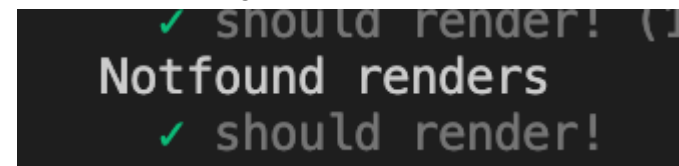
b. What test case does & how to execute:

- Test case renders a 404 Page.
- Run using "npm test".

c. Rationale:

- Just a 404 page, important that it works correctly though.

d. Result of executing:



```
✓ should render! (1 ms)
Notfound renders
✓ should render!
```

e. Was there a bug?

i. No

9. Home

a. Location: src/App.test.js

b. What test case does & how to execute:

- Tests if the home page is accessible.
- Run using "npm test".

c. Rationale:

- Need to be able to access the home page. This test is pretty similar to App.js, and gives an overall health of the page.

- d. Result of executing:

```
✓ should render! (1 ms)
Home renders
✓ should render! (1 ms)
```

- e. Was there a bug?

i. No

10. UserDashboard

- a. Location: src/App.test.js

- b. What test case does & how to execute:

- Tests to see if the user dashboard is accessible. Since the user dashboard is still a template, this test doesn't do much.
- Run using "npm test".

- c. Rationale:

- Will be used in further testing.

- d. Result of executing:

```
UserDashboard renders
✓ should render!
```

- e. Was there a bug?

i. No

Full Results:

```
PASS src/App.test.js
  app renders
    ✓ should render! (10 ms)
  About renders
    ✓ should render! (3 ms)
  Navigation renders
    ✓ should render! (1 ms)
  Home renders
    ✓ should render! (1 ms)
  Notfound renders
    ✓ should render!
  UserDashboard renders
    ✓ should render!
  WorkoutList renders
    ✓ should render! (85 ms)
  EditWorkoutTask renders
    ✓ should render! (2 ms)
  Footer renders
    ✓ should render!
  CreateWorkoutTask renders
    ✓ should render! (1 ms)

Test Suites: 1 passed, 1 total
Tests:       10 passed, 10 total
Snapshots:   0 total
Time:        2.206 s, estimated 3 s
Ran all test suites.

Watch Usage: Press w to show more.[]
```