



React Todo

Adding Authentication

Weight: 15%;

Due Date: Sunday 28th, November 2021

Submit Before: 11:59pm

Introduction

In class we have been building the vanilla JavaScript Todo list app in react. This week you will be adding the login authentication using the email and password provider from the firebase SDK.

Application Pages

Your app currently has 3 pages:

1. **index.js**
home page with two buttons on for the login page and one for the sign up page.
2. **login.js**
login page created in class with the Google provider and the email and password sign in.
3. **signup.js**
sign up page created in class with the Google provider and the sign up with email and password.
4. **todo.js**
page that renders on successful login or return error.

Create A Firebase User

email: jim@home.com

password: **123456**

In order to mark your lab you must create a user for the instructor. Without a successful login the lab will incomplete and receive a grade of zero.

Build



Login.js

Sign in user with email and password. Update the AppBar component to show the current login status.

AppBar Component

Update the **LoginStatus** component to show a successful login attempt. The LoginStatus component will render a default message when there isn't a user logged into the app. If there is a successful login then the LoginStatus component will update and display login information. This component will also be the log out button.

Login Page

 <div>Status please login</div> <div><h3>Account Login</h3><div></div><div>OR</div><div><div>Email janedoe@home.com</div><div>Password use a secure password</div><div>LOGIN</div><div>Legal Stuff terms and conditions</div></div></div>	<h2>Submission</h2> <p>You are required to submit the url to the deployed app on vercel and the url for your Todo list app's GitHub repository.</p> <p>Make sure and create A Firebase user with the following credentials</p> <p>email: jim@home.com password: 123456</p> <h2>Submit To Moodle</h2> <p>Vercel deployment URL Github repo URL</p>
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Marking Key



Task	Mark	Task Value
Login Component Success To get all 3 marks you must create the requested user. A successful login attempt is when that email and password grants access to the todo app page.		3
Login Status Component Success To get all 3 marks the login status component will notify the user that they are currently logged in. The component will also provide the requested logout functionality.		3
To Do Page Success To get all 3 marks the to do app page will have a protected route. Only a successful logged in user will be allowed to access the page.		3
GitHub Repository & Deployment Success Vercel deployment Github repository Requested submitted items in moodle		3
		12



Marking Rubric

Marks	5 Marks Criteria
5 [0]	Task was completed with the highest proficiency, adhering to best practices. The tasks demonstrate a high level of proficiency implementing the subject matter and the presentation of the content is to a professional standard.
4 [-1]	Task was completed well, with some minor mistakes. Well above average work, shows good understanding of the implementation details of subject matter. Tasks show a high degree of competence.
3 [-2]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
2 [-3]	Task completion is below average, the task was poorly completed. Shows understanding of the task and the requirements to implement, but implementation was poorly executed.
1 [-4]	Some of the tasks were completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-5]	Not completed.

Marks	3 Marks Criteria [minus]
3 [0]	Task was completed well, adhering to best practices, and shows a high degree of proficiency with the subject matter guidelines.
2 [-1]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
1 [-2]	Some of the tasks were completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-3]	Shows a little to no degree of competence in completing the task; not completed.

Marks	1 Marks Criteria
1	Task completed satisfactorily
0	Task was not completed