

Fitness Journal

Note: I lost half of the bugs document I encountered because my laptop died and I lost the document.

Design phase:

I designed my project around React using Firebase as a backend database as well as for authentication purposes. I also used Bootstrap for styling and layout. I tried following React fundamentals by building my user interface using components.

The first major component is the App.js file which can be considered the starting point of the application. The UI is built into components and the App.js File contains most of these components.

App.js:

```
> JS App.js > App
Dean Hmiedan, 5 days ago | 3 authors (Dean Hmiedan and others)
import logo from './logo.svg';
import './App.css';

import { Dashboard } from './Components/Dashboard';
import { WorkoutList } from './Components/WorkoutList';
import { Journal } from './Components/Journal';
import { Motivation } from './Components/Motivation';
import Login from './Components/Login';
import { Nutrition } from './Components/Nutrition';
import { PreviousJournalEntry } from './Components/PreviousJournalEntry';
import { Resources } from './Components/Resources';
import Container from 'react-bootstrap/Container';
import Nav from 'react-bootstrap/Nav';
import Navbar from 'react-bootstrap/Navbar';
import { AuthProvider } from './Contexts/AuthContext';
import { WorkoutForm } from './Components/WorkoutForm';
import Signup from './Components/Signup';
import { BrowserRouter as Router, Link, Route, Routes } from 'react-router-dom';
```

```

<Container
  className="d-flex align-items-center justify-content-center"
  style={{ minHeight: "100vh" }}
>
  <div className="w-100" style={{ maxWidth: "400px" }}>
    <AuthProvider>
      <Routes>
        <Route exact path="/" element={<Dashboard />} />
        <Route path="/signup" element={<Signup />} />
        <Route path="/login" element={<Login />} />
        <Route path="/Journal" element={<Journal />} />
        <Route path="/Nutrition" element={<Nutrition />} />
        <Route path="/Motivation" element={<Motivation />} />
        <Route path="/WorkoutForm" element={<WorkoutForm />} />
        <Route
          path="/PreviousJournalEntry"
          element={<PreviousJournalEntry />}
        />
        <Route path="/Resources" element={<Resources />} />
      </Routes>
    </AuthProvider>
  </div>
</Container>

```

```

<br />
<Navbar bg="primary" sticky="top" variant="dark">
  <Container>
    <Navbar.Brand className="mr-auto" as={Link} to="/">
      Fitness Journal
    </Navbar.Brand>
    <Nav className="mr-auto">
      <Nav.Link as={Link} to="/"> Dashboard
    </Nav.Link>
    <Nav.Link as={Link} to="/Journal"> Journal
    </Nav.Link>
    <Nav.Link as={Link} to="/Nutrition"> Nutrition
    </Nav.Link>
    <Nav.Link as={Link} to="/WorkoutForm"> Add Workout
    </Nav.Link>
    <Nav.Link as={Link} to="/Resources"> Resources
    </Nav.Link>
  </Nav>
</Container>
</Navbar>

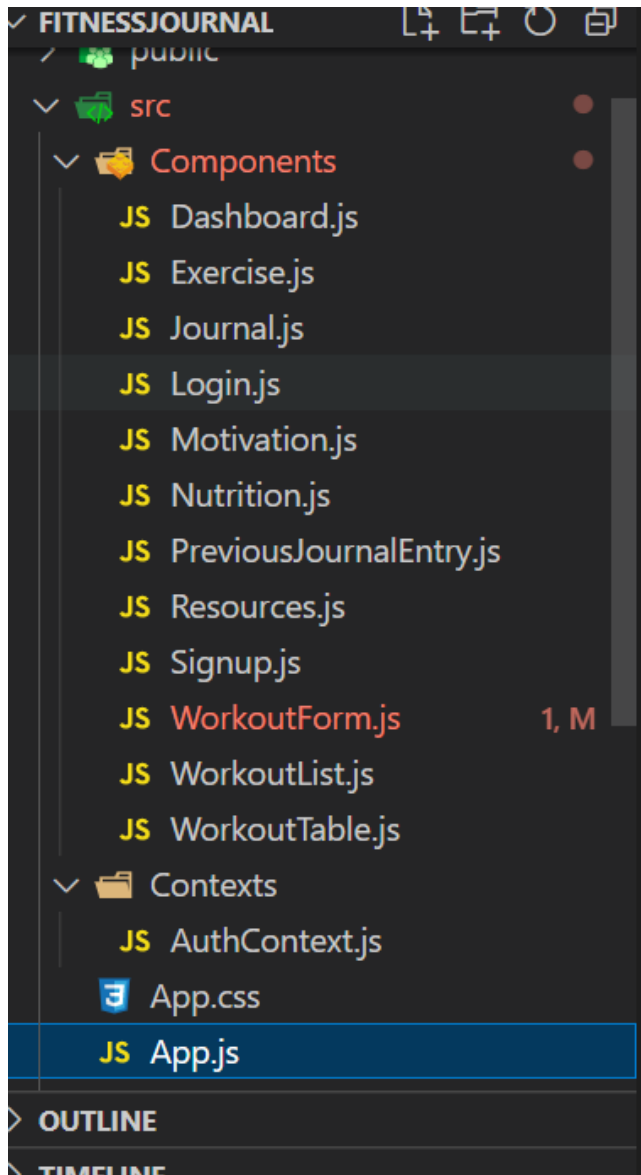
```

The first part of the code is the variety of components/libraries needed to built the UI. Many third party libraries are installed using npm install in the terminal.

The second part of the App.js file defines a navbar which will be placed at the top of the website and will always be rendered, regardless of where the user is on the website.

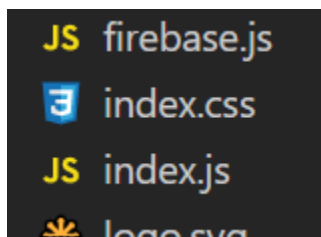
The third part of the code is the React Router Dom object. This initializes all transitions on the webpage without the need to refresh the page. This allows you to navigate between components/webpages pretty much instantly. Here I have defined the Routes using the <Route> tag and defined which components to display when an element with a link is clicked.

The components are as follows:



The files inside components are UI based components for the webpage. The contexts folder contains an AuthContext folder which defines many of the functions needed for Firebase configuration.

Another very important file is firebase.js



This file is necessary to run Firebase in the project as it contains the API key and a bunch of other needed information:

```
Bahasols, 6 days ago | 2 authors (You and others)
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
import { getAuth } from "firebase/auth";

// TODO: Add SDKs for Firebase products that you want to use
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
const firebaseConfig = {
  apiKey: "AIzaSyC650tihdSZcQRMcQ5RAi9EhUL9LN5yNIM",
  authDomain: "fitness-journal-54ca5.firebaseio.com",
  projectId: "fitness-journal-54ca5",
  storageBucket: "fitness-journal-54ca5.appspot.com",
  messagingSenderId: "1086500957839",
  appId: "1:1086500957839:web:a8982f0816227155bfcafa"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
export const auth = getAuth(app);
```

There will be

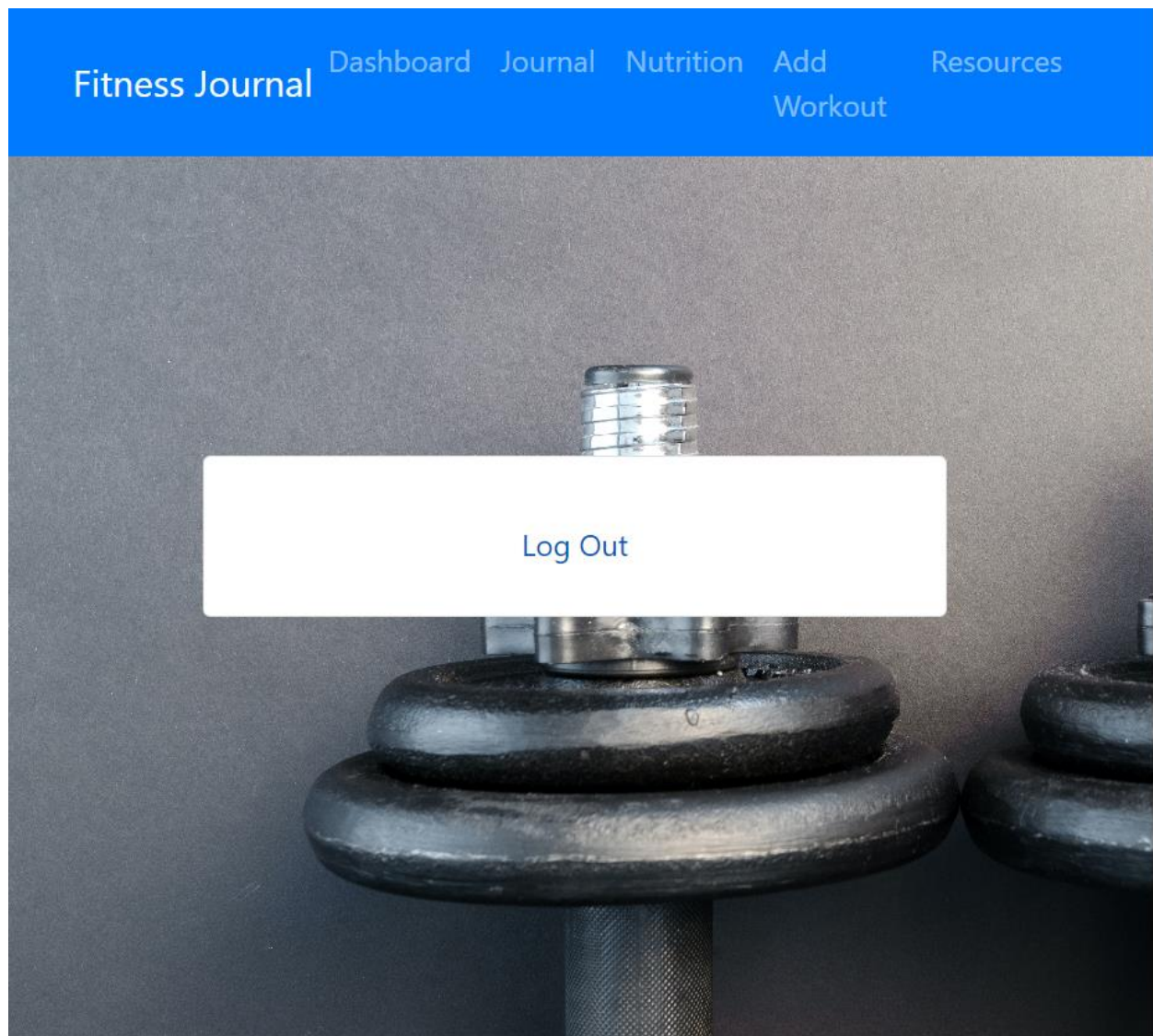
Two main functionalities for this version of the report. Authentication, and adding journal entries. There will be a page that will have a form to input the exercise which will store the authentication into the Firestore database. There will then be another page titled Journals that will display all of the entries entered into the "Add Workout" form.

The information will be entered into a table format.

Future work: Adding a resource and nutrition library. Improve the formatting. Fix bug with Firebase not retrieving the proper data. Better form entry methods

Current UI:

Authentication fully working:



Sign in

Email

Password

Sign In

Don't have an account? [Sign up](#)

Sign up

Passwords do not match

Email

newTest@gmail.com

Password

.....

Confirm Password

...

Sign Up

Already have an account? [Log in](#)

Bugs:

Compiled with problems:

ERROR in ./src/Components/WorkoutForm.js

Module build failed (from ./node_modules/babel-loader/lib/index.js):

SyntaxError: C:\Users\dhmiedan\Projects\Fitness Journal React\fitnessjournalreact\fitnessjournal\src\Components\WorkoutForm.js: Identifier 'firebase' has already been declared. (5:7)

```
3 | import "firebase/firestore";
4 | import "firebase/auth";
> 5 | import firebase from "firebase/app";
    |      ^
6 | import { Form, Button, Card, Alert } from "react-bootstrap";
7 | export function WorkoutForm() {
8 |   const [exercise, setExercise] = useState("");
   at instantiate (C:\Users\dhmiedan\Projects\Fitness Journal
```

Exercise Name	Sets	Repetitions	Weight	Notes
Bench Press	4	8	225	Felt good
Deadlift	3	4	315	Pain in lower back

Compiled with problems:

ERROR in ./src/Components/WorkoutForm.js 20:2-20

export 'initializeApp' (imported as 'initializeApp') was not found in '../firebase' (possible exports: auth)

Bug with rendering the entered data into the new journal after submission:

The screenshot displays a web application running on localhost:3000/WorkoutForm. The application has a blue header with the title "Fitness Journal" and navigation links: Dashboard, Journal, Nutrition, Add, and Resources. The "Add" link is highlighted, leading to the "Workout Form" page. The form contains input fields for Exercise (Squats), Sets (4), Repetitions (8), Weight (100lbs), and Notes (Felt really heavy today). A blue "Submit" button is at the bottom of the form. Below the form is a table with columns: Exercise Name, Sets, Repetitions, Weight, and Notes. The table is currently empty. To the right of the browser window is a code editor showing the file explorer and the code for JS Signup.js. The file explorer lists files in src/Components and src. The code in JS Signup.js shows imports for React, Form, Button, Card, and auth from ../firebase, and a function handleSignup that uses auth to create a user.