

Project Proposal/Plan

Intro: Our project for this year in Professional Practices is a fitness web app that allows people to setup a fitness plan tailored to their desired body.

Aims:

Learning Outcomes: we aim to use what we learned in the last two and a half years and learn something new that can help us in our future.

Future Jobs: we also aim to use this project to present to our future employers for a job application. This will be proof that we understand programming principles and we know how to execute it.

Technology Requirements:

React.js: React.js is an open source front-end JavaScript library for developers to create web or mobile apps. There are two reasons as to why we are using React. It features the CRUD (create, read, update, delete) functionalities and this is needed to obtain and display data to the user. The second reason is that with the use of node.js, a module that can be downloaded to the react library, we can connect to the MySQL server.

MySQL: MySQL operates on the back end where data is sent and retrieved to work alongside React.js. The purpose for MySQL for this project is to store workout plans for each individual user and they can retrieve it to view or make changes to their current plan

Time Frame:

Week 7: setup database, react programme to connect and get data from MySQL. Setup home page for the website

Week 8: setup input page for user to input data such as gender, age and body type you want to achieve.

Week 9: setup miscellaneous features, such as BMI calculator, that can help the user calculate data if they are stuck.

Week 10: Setup test plan.

Week 11: Conduct testing.

Week 12: fix bugs.

Week 13: integration test.

Week 14: present project to lecturers.