



T3A2 - B - Full Stack App (Part B)

Collaborators

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R1

At a minimum use the following technologies:

- Rails 
 - Used to build backend API
- React.js 
 - Used to build frontend components

R2

Write well designed code that:

- Separates the program into modules that each deal with one particular focus, or concern 
 - Different components that make up the entire application are separated into individual folder and file (including styling) according to its function and features
 - E.g. nav bar has its own folder called 'Navbar' that stores the JavaScript and styling files
- Demonstrates DRY (Don't Repeat Yourself) coding principles 
 - Code reviews have been performed regularly throughout the development process to sure the DRY principle is applied
- Uses appropriate libraries 
 - A variety of libraries have been utilised to develop the app (see further details below)
- Demonstrates good code flow control for user stories 
 - Utilising Agile project management methodology
 - Features and functionality of the app are developed according to planned user stories during the planning phase of the project to ensure the best user experience is achieved
- Applies Object Oriented (OO) principles/patterns 
 - Due to the declarative, component-based and learn once, write anywhere characteristics of React framework, Object Oriented principles is easily implemented to ensure the code is DRY and reusable
- Uses appropriate data structures 
 - Different data structures were considered and discussed during the planning phase, to ensure the appropriate data structures are used

R3

Employ and utilise proper source control methodology (git) 

[Frontend Repository](#) [Backend Repository](#)

R4

Demonstrate your ability to work in a team: ✓

[Trello](#)

- Use a recognised project management methodology ✓
 - Trello is used extensively throughout the development process; the board is reviewed daily at our morning team meeting (including weekends)
- Use a recognised task delegation methodology ✓
 - Tasks are assigned to each collaborator according to strengths and weaknesses
 - Throughout the entire process, newly acquired knowledge is shared among team members

R5

Produce a working application that meets client and user needs ✓

- The client, Nick (company owner) is communicated with regularly to ensure app is built to meet business and internal staff needs
- Production site is tested by the client and approval has been received

R6

Deploy the application to a cloud hosting service ✓

The end product is deployed to two cloud hosting services: Netlify (web app) and Heroku (backend API):

[D&L Constructions](#)

R7

Produce an application with an intuitive user interface ✓

[D&L Constructions](#)

R8

Provides evidence of user testing:

- In the development environment ✓ [Development Testing](#)
- In the production environment ✓
 - [Production Testing](#)

R9

Utilises a formal testing framework ✓

- Unit tests performed using jest

```
PASS src/components/Contact/__test__/Contact.test.js
PASS src/components/Footer/__test__/Footer.test.js
PASS src/components/Navbar/__test__/Navbar.test.js

Test Suites: 3 passed, 3 total
Tests: 11 passed, 11 total
Snapshots: 0 total
Time: 3.009 s
Ran all test suites.

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

Run `npm test` in the terminal.

R10

A link (URL) to your deployed website ✓

[D&L Constructions](#)

R11

A link to your GitHub repository (repo) ✓

[Frontend Repository](#) [Backend Repository](#)

R12

The contents of your README.md as submitted for Full Stack App - Part A ✓

Please refer to the first section of this document.

Rubric Check Brief & Summary

Demonstrate DRY (Don't Repeat Yourself) principles in all code. ✓

...

Appropriate use of libraries used in the app ✓

- jest-dom
 - Used for performing unit testing
- axios
 - Used to send HTTP requests
- bootstrap

- Used provided classes to style certain components
- moment
 - ???
- react-bootstrap
 - Used to improve productivity in the styling process
- react-icons
 - Used to import icons provided by the library
- react-moment
 - ???
- react-scroll
 - Used to enable smooth scrolling on the website
- react-spring
 - Used to add animations for better user experience
- styled-components
 - Used to style React components in JavaScript file
 - Enable React components to be reusable without having to re-create the component and styling
- emailjs
 - Used to receive messages sent through the contact form

Demonstrate code flow control ✓

Apply Object oriented principles/patterns ✓

Demonstrate use of functions ✓

Utilises functions, ranges and classes ✓

Employ and utilise proper source control methodology ✓

Employ and utilise project management methodology ✓

App functionality ✓

Deployment ✓

User interface ✓

Development testing ✓

Production testing ✓

Utilises a formal testing framework ✓

Employ and utilise task delegation methodology ✓