PPIT Project 2021

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Buy and sell web application for automobiles

Some of the key aspects of the application will be as follows:

* A multi user system
* Include a register/login feature using token authentication
* Talking to a mongo database to store user login credentials and motor information.
* The ability for a user to post an advertisement for their motor complete with a price, detailed description, contact information and images.
* The ability for a user to view contact information of a seller in the case of a purchase.
* Use node js as its backend server.

The technology used in the development in the app will be:

* Node Js – server
* MongoDB – databases
* React – application build
* Nodemon – server updates
* JWT – Token Authentication

Node js will be used as the main back-end API service as the application will have a very push-based architecture. Node js will be the most effective API for this because of its non-blocking, event driven servers.

MongoDB will be used as the database technology as the document data model is well suited to this style of application, as well as being coupled well with Node Js.

React will be used as the main building block of the application as it will allow the user to update and receive information without reloading pages. It is fast, scalable and simple.

Json web token will be used as the token authenticator as its self contained and contains all of the information it needs for authentication.

Complications and learning outcomes

* 1st – March : There was an issue with the jwt as it couldn’t get a handle on the token and was returning ‘undefined’ meaning the user couldn’t login to the landing page. This was later solved by making sure all of the classes could access each other with the exports to give the classes a handle on their variables and tokens.