# Ger

BSc in Computing in Software Development

Year 3

Professional Practice in IT

*Cryptonia*

*<*G00377375, G00382657, G00366442*>*

*<* Yassine Jdair, Lase Ifebajo, Akeem Jokosenumi*>*

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Supervisor: Gerard Harrison

GitHub Link: https://github.com/YassineJdair/PPIT\_2022

# Introduction

*The website we will be creating will be developed using MERN technology stack, the app will have the following:*

* *client-side routing*
* *Minimum of four components*
* *server to read from the database*
* *server to write data to the database*
* *server to delete and update data*

# Reason for Choosing Project

*We chose to work on this project because we appreciate working with MERN technology because it allows us to add whatever features we want to our website and tailor it to our specific interests. Another reason we chose this topic is that we had a great time last semester doing Data Research. We're all interested in the future that we believe crypto will have in our daily lives, such as a coin or mana, which is the main currency in decentraland our passion in this is what prompted us to create an app to help people become more aware of this opportunity to invest in and potentially alter their lives in a few years if they can become early adopters into the correct currency.*

*These tokens will play a significant role in the lives of many people in the next years when these lands are fully developed, and web 3.0 will be available in the near future, so developing this site will be of excellent assistance to individuals who will be completely new to this information in the coming years, and also provide insight into potential futures that will be available, so we chose to make a crypto-based MERN application.*

# Technologies you plan to use

* *MERN*
* *JavaScript*
* *NodeJS*
* *ExpressJS*
* *MonogDB*

# Architecture

*The website's goal is to create a website that displays the current rate of crypto coins online, including a live update on the coins' value in real time and the ability to view the coins' price history across time periods of one day, one week, one month, and one year. We'll also have videos for folks who are new to cryptocurrency explaining what the blockchain is and how it is secure and safe to invest in. We'll also include a news section with the most up-to-date crypto market information and currency forecasts.*

# Work Allocation

*It is a team project, so everyone is going to have to work together to get this project completed. As it is MERN were going to be working with the breakdown of a MERN stack which is MongoDB (where the database is documented), express.js which is the web framework, react.js which is a client-side JavaScript framework and node.js which is the premier JavaScript web server. The breakdown to the work allocation will be we all work on the getting the database documented, lase will work on the express.js, Akeem will work on the react.js and Yassine will work on the node.js.*