*Project Title: University Administration Discord Bot.*

# Aim:

To Develop a system which utilizes Discord bots in order to administer and manage the University of Portsmouth server humanless.

# Implementation:

Using Discord.js a Discord bot was implemented that is communicating with a shared Rest API, with another application which is responsible for crawling the University of Portsmouth course information and initializing/registering the data on the MongoDB cluster, working together to validate student data and forward joined student to the channels dedicated to the course/modules which they undertake.

# Usage Notes:

**Part 1 (CSV file handler):**

1. Open the application through the portfolio.
2. [Download the csv by clicking here.](https://drive.google.com/file/d/1fMO3fHtKJZEClNsRj1rvcSO0bh543Csq/view?usp=sharing)
3. Sign in using the Google Button.
4. Upload the downloaded CSV file.
5. Select the first university in the list (Futureworks).
6. Create a passphrase using the rules (self-made encoding algorithm 😊).
7. Fill in the CSV file structure according to the placeholder.
8. Confirm or go back to previous steps.
9. Upload the data using “Confirm and upload”.
10. You should receive an email allowing you to view the data with a one-time only link.

**Part 2 (Discord Bot):**

1. Complete step one to simulate the first half of the project.
2. Join this server “https://discord.gg/uzS4XDb6hb”.
3. The bot would speak to you to validate your information.
4. Provide the following:

Uni Id: up920130.

First name: Anas.

Surname: Tarrab.

1. You should receive the command to verify your account an email will be sent to the student record email from the CSV file (which is mine).
2. To proceed to the part where the bot would provide you the roles based on your data you must speak to me to provide you with the code. After, execute the command from step 5 and you should have the correct roles and access to the channels based on the course info (you should now have the roles \*software engineering & .second year). – remember you will not get module roles as the crawler only works with the University of Portsmouth website.