COMP1112: Assignment 3

The goal of this assignment is to create a Discord bot that tracks a list of users and when they joined the server. The bot should track the list of users and join dates in a CSV file. Use the file A3_Start.py as a starting point.

When the bot starts for the first time it should create a list of users already registered and add them to a CSV with the username in the first column, and the current date & time in the second column. Each time a user joins the server they should be added with their join date in the date column. Each time a user leaves the server, they should be removed from the CSV. The discord events on_member_join and on_member_remove should help with the last 2.

1. Create member list

2. Add new members to list

3. Remove member from list

Tips:

- Create a second account to test adding/removing users on the server.
- To get the current date and time in python use the built-in date time module like so

```
from datetime import datetime
print(datetime.now())
```

- Remember date times need to be converted to strings before they can be saved to a CSV.
- Use the file A3_Start.py to start your bot, it has some of the work done for you so you can focus on the important parts.
- Don't forget to turn on the Member Intent in the discord developer portal!

Grading Criteria:

- **Code Quality**: Organized, concise code that is easy to read and follows best practices outlines in class.
- **Commenting**: Single line comments throughout the code, a multiline comment at the top describing the general purpose of the file. Comments should accurately describe the code.
- **Function**: Does the program meet the requirements outlined? Are there any errors