Project Title: Manual for Parallel Computing with Python

Start Date: 1/11/2021	**End Date:** 4/23/2021

Team Members: Tyler Bruce

Project Sponsor: Dr. Bekkering

Users: Python students/developers

Purpose (Problem or opportunity addressed by the project):
Create a manual for parallelizing any single threaded I/O bound or CPU bound Python program. The manual is intended to be used by Python students or developers looking to increase their skillset

Goals and Objectives:

1. Create a manual for parallelizing I/O bound and CPU bound python programs.
2. Strengthen my time management skills

Schedule:

1. **1/11/21-1/15/21:** Develop project proposal
2. **1/18/21-1/22/21:** Search for programs to be parallelized
3. **1/25/21-1/29/21:** Finalize programs to be parallelized and begin coding
4. **2/1/21-2/5/21:** Continue coding and begin first draft of manual
5. **2/8/21-2/12/21:** Continue coding and finalize first draft of manual
6. **2/15/21-2/19/21:** Look into Writing Lab for first draft review. Improve code
7. **2/22/21-2/26/21:** Submit draft of manual to Writing Lab and improve code
8. **3/1/21-3/5/21:** Look for any other possible programs to use in final draft of manual
9. **3/8/21-3/12/21:** Begin work on final draft of manual
10. **3/15/21-3/19/21:** Begin uploading manual to GitHub and Continue work on final draft of manual.
11. **3/22/21-3/26/21:** Continue work on presentation and submit final draft to Writing Center
12. **3/29/21-4/2/21:** Finalize manual and finalize GitHub documentation. Begin work on presentation.
13. **4/5/21-4/9/21:** Finalize presentation and continue practicing presentation
14. **4/12/21-4/16/21:** Tie up any loose ends in regards to manual or presentation and Practice presentation
15. **4/19/21-4/23/21:** Turn in documentation and practice presentation

Constraints: Time

Assumptions: Basic knowledge of Python language.
Python 3.X is installed on computer.

Success Criteria:

- Have a clear and concise manual for parallelizing any CPU bound or I/O bound Python program.