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| **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. **Week 1:** Develop project proposal 2. **Week 2:** Search for programs to be parallelized 3. **Week 3:** Finalize programs to be parallelized and begin coding 4. **Week 4:** Continue coding and begin first draft of manual 5. **Week 5:** Continue coding and finalize first draft of manual 6. **Week 6:** Look into Writing Lab for first draft review. Improve code 7. **Week 7:** Submit draft of manual to Writing Lab and improve code 8. **Week 8:** Look for any other possible programs to use in final draft of manual 9. **Week 9:** Begin work on final draft of manual 10. **Week 10:** Begin uploading manual to GitHub and begin work on final   presentation   1. **Week 11:** Continue work on presentation and work on practicing presentation 2. **Week 12:** Finalize presentation and continue practicing presentation 3. **Week 13:** Tie up any loose ends in regards to manual or presentation 4. **Week 14:** Practice presentation 5. **Week 15:** Present | |
| **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. | |