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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. **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.   1. **3/22/21-3/26/21:** Continue work on presentation and submit final draft to Writing Center 2. **3/29/21-4/2/21:** Finalize manual and finalize GitHub documentation. Begin work on presentation. 3. **4/5/21-4/9/21:** Finalize presentation and continue practicing presentation 4. **4/12/21-4/16/21:** Tie up any loose ends in regards to manual or presentation and Practice presentation 5. **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. | |