



# Lumberjack Balancing



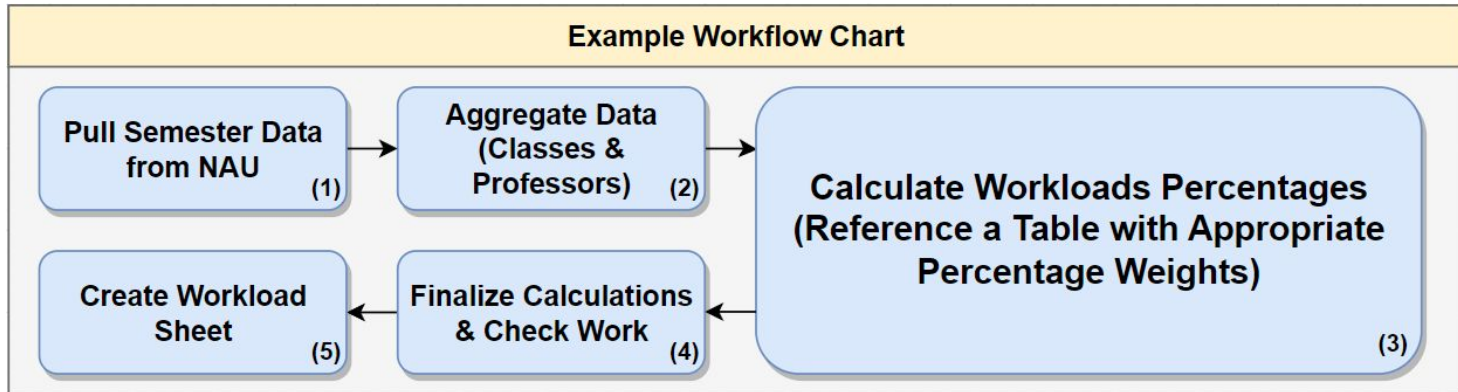
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# Problem Statement

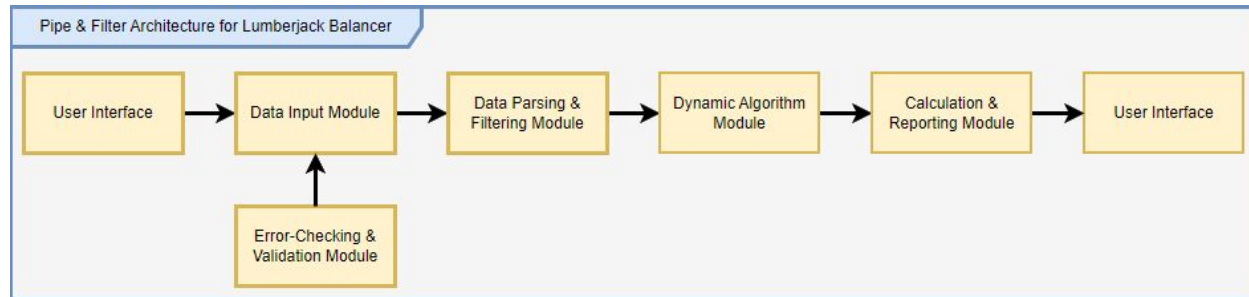
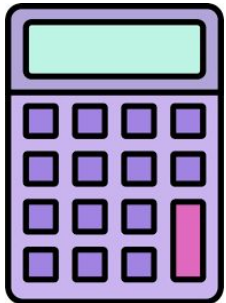
- Crucial administrative task for a large university like NAU
- Accurate workload management ensures equitable teaching responsibilities
- Current process is completely manual, time consuming, and prone to error.



# Solution Overview



- Python based desktop application that will fully automate workload calculations
- Real time data validation, customizable workload policies, user friendly interface
- Eliminate the cumbersome manual process and replace it with an automated Python program





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## Key Requirements

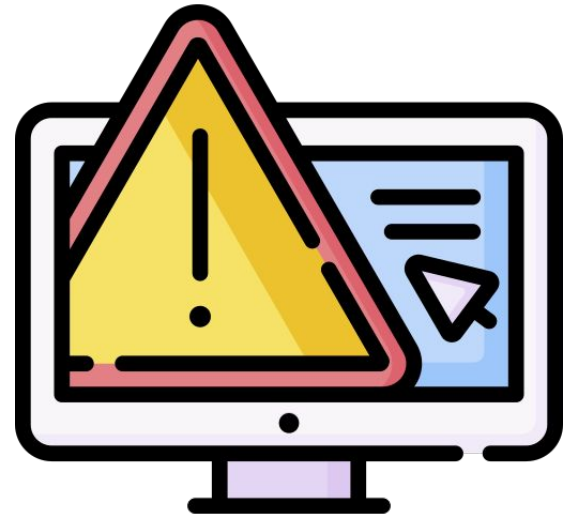
- Collaboration with **client** and **mentor**
  - Product will be easy to use
  - Clear reporting
  - Adaptive requirements
- **Automated Workload Calculation**
    - Imports data from excel file
    - Aggregate data for faculty
    - Highlight discrepancies
    - Export final results as an excel file



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# Risks and Feasibility

- Calculation errors
- Data integrity and input errors
- User adoption challenges



# Schedule





## Conclusion

- Create a Python application to automate the faculty workload assessment process
- Plan to start the next semester at full speed
- Plan stretch goals with our client as the Minimum Viable Product is developed