NCAR Scientific Data

Data Analysis Web Application

Documentation Expectations

1. Self-Documenting Code

2. Doxygen

3. High-Level Overview

4. Installation Guide

5. Guide on Publishing Workflows

6. Reflections on Tools Used/Tool Selection In General

Completed Tasks

- OPeNDAP Integration

- Parameter Limitations

- Generalized Subsetting Script

- UI Mockups

- Writing Tests

- Created Sidebar

Active Tasks

- Integrate tasks into workflow framework
  - pyutilib.workflow
- Visualization of workflows
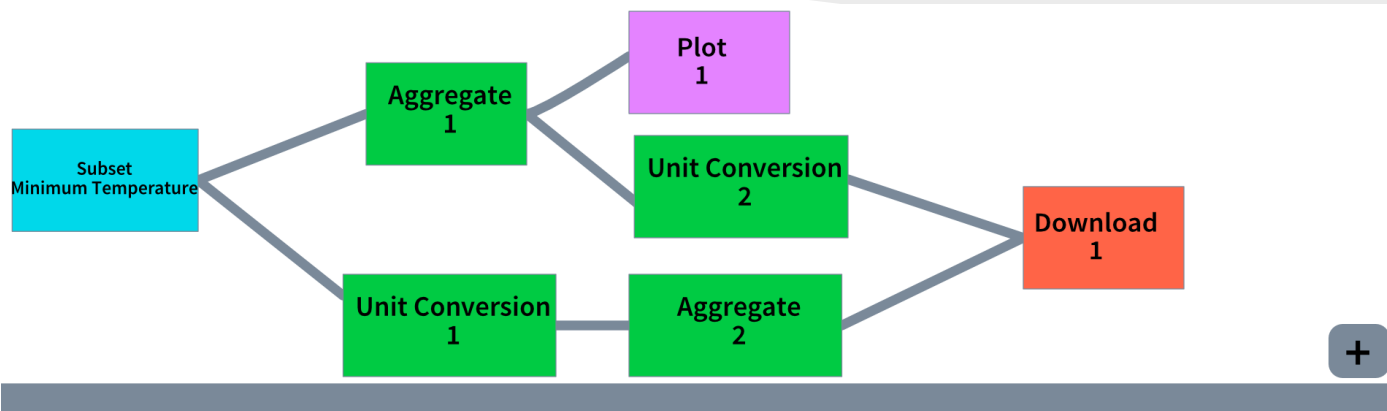 - HTML Canvas/Javascript/PyDot
- Database integration
- R integration

Next Tasks

- Nonlinear workflows

- Interacting with workflow visualization

- Adding small calculation modules for proof-of-concept

Risks and Concerns

- Nonlinear Workflows
  - Integrate pyutilib.workflow and HTML Canvas
- Integration of tools
  - Pair programming
- Managing sponsor's expectations
  - Documentation of features expected was discussed and approved by sponsor

Demo

Questions?