

Implementation Schedule:

- **Thursday, Apr 5: Basic Pipeline established**

- **Andy:** Implement one Data Plugin and skeleton DataSet class
- **Dan:** Implement relation on skeleton DataSet, create DataGraph class
- **Richard:** Implement Display Plugin on skeleton DataSet

Meeting:

- Evaluate target data sets, visualisations, common operations
- Decide as a group on best plugins and critical features moving forward

- **Saturday, Apr 7: Sophisticated Pipeline (Back-End) established**

- **Andy:** Implement additional Data Plugin, refine DataSet interface and creation
- **Dan:** Implement full relation logic, expression parsing, and immutability
- **Richard:** Implement additional Display plugin, QueryableSet and interpolation

Meeting:

- Evaluate framework performance relative to goals / DataSet size
- Decide on necessary optimisations (serialisation, caching, KD-trees, etc.)

- **Monday, Apr 9: Minimum Viable Product**

- **Andy:** Final Data Plugins implemented, plugin importing and creation GUI
- **Dan:** Refine expression logic / performance optimisations, write relation GUI
- **Richard:** Final Visualisation Plugins, write GUI with interface parameters

Meeting:

- Evaluate additional features and optimisations
- Decide on work breakdown for GUI tweaks and best refinements to implement

- **Wednesday, Apr 11 (9 AM): Final Product**

- **Andy:** Refine current plugin + perform data serialization + exports?
- **Dan:** Performance optimisations and GUI design / refinement
- **Richard:** Display plugin updates and additional features

While the work breakdown is expected to fall into largely separate parts after the initial data structures have been refined, everyone is responsible for documenting and providing a full test suite with their own code before it is considered complete and merged with the repo.