Week-by-week timeline of
Team Falsone
Group Project Plan

Task 1:
Human protein kinase search
- Database creation: name (uniprot id OR accession number OR gene name)-symbol-family-cell_location-phosophosite (genomic location-neighboring sequence)-kinase inhibitor
- Code for search on software
- Link to flask

Task 2:
Human protein kinases inhibitor search
- Database creation: name-chemcial structure-kinase it inhibits
- Link to kinase it inhibits
- Code for search on software
- Link to flask

Task 3:
Phosphoproteomics analysis
- Data analysis to filter only the human kinases in the sample and show an estimate of their relative activity
- Data visualization
- Provide user with data summary (Kinase name, fold-change, p-value)
- Link to flask

Planning

7 Jan

2019

- Create architecture of software
- Webpage Layout draft
- Choice of software Feautures
- Technologies/programs required for software
- Determine new skills needed to be learned
- Delegate tasks to team members

Research/Coding

14 Jan

- Compile resources for the software data
- Learn new skills required
- Team Update on designated tasks
- Start coding/preparing coding document

Software Development

21 Jan

- Software coding underway
- Team Update on designated tasks

Information Integration

28 Jan

- Integrate tasks from team members into software
- Deal with data integration issues (error handling)

Optimization

4 Feb

- Smooth out data integration and deal with any persisting issues

Finalization

11 Feb

- Finalize code document
- Practice and complete presentation
- Make software publicly available
- Look into additional software deployment features