CSCI-729
Initial Presentation

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Components

- GRAAL (GRAph ALigner) Algorithms
  - Applications that implement GRAAL algorithms
- Cursory research and setup of GPLAG, JPLAG, and SourcererCC
- Implementation of GPLAG and comparison of it with GRAAL, JPLAG and SourcererCC

Plan

- Successfully setup and run a GRAAL based application as well as SourcererCC and JPLAG.
- Implement GPLAG with code from assignments as starting point.
- Create a dataset that can be run through both methods.
- Obtain results from each method, in a format that is comparable.
- Compare and contrast results from both methods, identifying similarities and differences, as well as pros and cons pertaining to each method.

Nick

- Set up SourcererCC and JPLAG
- Understand how it works, and how to obtain results from given inputs.

Bernie

- Set up a program that implements GRAAL algorithms.
- Understand how it works, and how to obtain results from given inputs.

Combined

- Implement GPLAG.
- Create a universal dataset that can be run through both methods.
- Obtain results from each method.
- Analyze results obtained from each method, focusing on similarities and differences, as well as pros and cons pertaining to each method.

First steps

- First 2 - 3 weeks will be spent implementing and understanding GPLAG
  - Somewhat complex but essentially just extra layer on top of naive subgraph matching
- Final weeks spent creating a dataset and performing comparisons
- If GPLAG implementation is too difficult, won't include in comparison
  - Only use SourcererCC and JPLAG compared to GRAAL in this case