**Personnel**

**Polina Eremenko: INFJ**

Areas of expertise:planning, analysis, implementation

**Kevin Kang: INFJ**

Areas of expertise:technologies, version control, implementation

**Martin Metke: INTP**

Areas of expertise:graphics, analysis, implementation

**Brent Stone: ENTP**

Areas of expertise:research, testing, implementation

Our project involves the following tasks:

1. Researching the problem
   1. Brent is in charge of researching the problem. This means that all the researching done by the group will be gathered and put together by Brent at the end of this stage.
2. Planning the project
   1. Polina is in charge of planning the problem. This means that all the planning done by the group will be gathered and put together by Polina at the end of this stage.
3. Implementing the solution
   1. Everybody is in charge of implementing the solution. All the work done by the group will be gathered and put together by Kevin (version control) at the end of this stage.
4. Making a graphical representation of the solution
   1. Martin is in charge of making a graphical representation of the solution. This means that all the work done by the group will be gathered and put together by Martin at the end of this stage.
5. Analyzing the solution
   1. Polina is in charge of making a graphical representation of the solution. This means that all the work done by the group will be gathered and put together by Polina at the end of this stage.

Everybody will participate in most tasks of executing this project, but the people with the areas of expertise will be in charge of running that particular process. The bulk of the project (implementation) will be done by everybody and then the rest of the tasks will be shared.

**Benchmarks**

**Milestone 1**

1. Due Date: Thursday May 18, 2017
2. Deliverables
   1. Project description
   2. Project flowchart
   3. List of all method headers that will be used
3. Description
   1. The project description will be taken from the proposal by Brent
   2. The project flowchart will be developed by the group and all final changes put together into the planning module by Polina.
   3. The list of all method headers will be developed by the group and submitted in the planning module by Polina.

**Milestone 2**

1. Due Date: Tuesday May 23, 2017
2. Deliverables
   1. Implementation of all methods except for graphics
   2. Error checking and handling
   3. Testing
3. Description
   1. The implementation will be divided equally among all group members. Kevin will be in charge of version control.
   2. Error checking will be done by each person on their own code and reviewed by the group.
   3. Testing will be done by each person on their own code and reviewed by the group. Brent will be in charge of putting together the testing module.
   4. The group will make sure that all the methods work together.

**Milestone 3**

1. Due Date: Tuesday May 30, 2017
2. Deliverables
   1. Graphical representation of solution
   2. Solution analysis
3. Description
   1. Graphics will be split among members of the group. Martin will be in charge of making sure that all the graphics methods work together.
   2. The group will come up with ways to analyze the solution. Solution analysis will be put together by Polina.

**Projected schedule—subject to change**

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| **Date** | **Have this done** |
| Wednesday May 17 | Description, flowchart, method headers |
| OFFICIAL: Thursday May 18 | MILESTONE 1 |
| Saturday May 20 | Implementation of all methods |
| Sunday May 21 | Error checking and handling |
| Monday May 22 | Testing |
| OFFICIAL: Tuesday May 23 | MILESTONE 2 |
| Friday May 26 | Graphics methods |
| Saturday May 27 | Solution analysis bones |
| Sunday May 28 | Graphics implementation |
| Monday May 29 | Solution analysis meat |
| OFFICIAL: Tuesday May 30 | MILESTONE 3 |