Team Contract

<u>Team Members:</u>
- Tejus Kurdukar
- Edward Guo
- Calvin Lee
- Gloria Xiao

<u>Communication</u>
1. Team Meetings
    a. Our team will meet at least once a week on Tuesday nights for an hour. We will be utilizing discord and/or zoom to host these meetings. We will share a document amongst each other to record how long these meetings last each week.
2. Assistance
    a. If we need to communicate with our other team members, we will use our discord group chat. We should be expected to respond within 12 hours.
3. Respect
    a. We will always address each team member's concerns if they are brought up. We will encourage each other to contribute to each part of the project and will make sure everyone is on the same page.

<u>Collaboration</u>
1. Work Distribution
    a. Workload
        i. Code
            1. Build the graph (process OpenFlights data, constructors, big 3, etc)
                a. Everyone
            2. Traversals
                a. Edward, Tejus
            3. Dijkstra's Algorithm (Covered)
                a. Gloria, Calvin, Tejus
            4. Landmark Path (Uncovered)
                a. Gloria, Calvin
            5. Makefile
                a. Edward
            6. Testing if the code works
                a. Everyone (the person who wrote the function should be responsible).
            7. Additional stuff if we have time
                a. Graphical Output
        ii. Development (one paragraph record of what we did every week)
            1. Everyone

        iii.   Results (1-2 page final report describing outcome)
- 1. Everyone
        iv.   Final Presentation
- 1. Everyone
- b. If one group finishes their task early, they can help the other members on their assigned tasks. If we encounter an unforeseen problem, we will meet together, break the problem down into subtasks and priorities, and adjust our work and schedules accordingly.
- c. Strengths of each team member:
  - i. Gloria: Improvising
  - ii. Calvin: Developing high level ideas for code.
  - iii. Edward: VSCode visual GDB debugger, local compiling, Github knowledge
  - iv. Tejus: Planning with pseudocode, debugging with GDB
- d. Weaknesses of each team member:
  - i. Gloria: my code tends to be filled with stupid bugs.
  - ii. Calvin: Setting up the skeleton for the code. Resolving Github issues.
  - iii. Edward: Figuring out good implementations
  - iv. Tejus: Gets bogged down by details

2. Time Commitment
   - a. Each group member is expected to work on this final project for at least 5 hours per week. We will let each other know ahead of time if we are unable to meet the expectation of 5 hours per week. We plan to complete the bulk of the assignment during Fall break.
   - b. Prior time commitments of team members:
     - i. Gloria: part-time job
     - ii. Calvin: time-zone difference (+14 from CST), part-time student at NTU
     - iii. Edward: 2 part-time jobs, RSO project, another final project
     - iv. Tejus: RSO meetings some afternoons

3. Conflict Resolution
   - a. Allow each member to voice their opinions, write down differing opinions in log for code discussion. For disagreements on technical issues, we will vote on it. For disagreements where one person is not putting in as much effort as expected, we will communicate clearly, consider their perspective, and approach the course staff if necessary. If someone is habitually late, we can always reschedule the meeting to take into account that particular group member's schedule. We will also record the meeting's main points.