**CPSC-335 Project-1 Knight’s Max Flow Standup Status Report**

**Standup Status:** Start

**Team:** JVJ = Jalen Jackson, Victoria Tran, Justin Castillo

**Jalen:**

1. **Completed:**
   1. Created Grid, lines, and algorithm to travel from source to sink
2. **Plan to Complete:** Make list to keep track of edges
3. **Obstacles:** N/a

**Victoria:**

1. **Completed:** Research for Karp-Edmonds algorithm, assisted with max flow algorithm construction, update display for current flow & edge count
2. **Plan to Complete:** Algorithms Paper
3. **Obstacles**: Implementing Karp-Edmonds algorithm

**Justin:**

1. **Completed:** Created Knight movement and cleaned/ finished traversing algorithm
2. **Plan to Complete:** Big-O
3. **Obstacles:** Understanding how many times the system runs the while loops

**Progress Board**

1. Create 10x10 board
2. Understand/figure out what algorithm to use
3. Write pseudo code
4. Implement code
5. Test for errors

**Working:**

1. Completing Big-O analysis
2. Finishing and cleaning code

**Ready:**

1. Basic grid design
   1. Grid color (likely possible that this will change in later updates)
   2. Scaled board down so that it will fit in one screen
2. Basic cell design
   1. Drawn dots that represent source and sink cells
   2. Added capacity to the cell class and draw this number in every cell

**Done:**

1. Transferred/edited usable files to use for this project
2. Grid Color/design
3. Path found from source to sink
4. Max flow & unused Edges

**Verified:**

**Issues:**

1. On occasion, the program will fail and somehow enter an infinite loop. To resolve the situation, the system is refreshed completely so it can restart from a fresh point again.

**OBE:**

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