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

Standup Status: Finished
Team: JVJ = Jalen Jackson, Victoria Tran, Justin Castillo
Jalen:

1. **Completed:**
    a. Created HTML file and initialized GitHub repository
    b. Created 10 x 10 board
    c. Created Cell Class
    d. Started traversing algorithm from source to sink
    e. Created displays for cell capacities and edge flows/capacities
2. **Plan to Complete:**
3. **Obstacles:** N/a

Victoria:

1. **Completed:**
    a. Research for Karp-Edmonds algorithm
    b. Assisted with max flow algorithm construction
    c. Updated display for current flow & edge count
    d. Wrote algorithms paper
2. **Plan to Complete:**
3. **Obstacles**:

Justin:

1. **Completed:**
    a. Created Knight movement
    b. Created Edge Class
    c. Cleaned/ finished traversing algorithm
    d. Updated Standup
2. **Plan to Complete:** Big-O
3. **Obstacles:**

<u>Progress Board</u>

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
    a. Grid color (likely possible that this will change in later updates)
    b. Scaled board down so that it will fit in one screen
2. Basic cell design
    a. Drawn dots that represent source and sink cells
    b. 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.
2. When edges cross, their “flow/capacity” displays get cluttered in together

OBE: