Evaluation of personal project

Graph generation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task | Errors during task | | | Time taken |
| Critical errors | Non-critical errors | Error free (T/F) |
| Generate a random graph with 8 nodes |  |  |  | ~4s |
| Download the graph from the previous task, and add a new edge between two nodes of your choice. Upload this new graph. |  |  |  | ~1m |
| Draw this graph (some example graph provided), and save it. |  |  |  | ~1m 30s (6 nodes, 9 edges) |

Was there anything you liked about generating a new graph?

Was there anything you disliked about generating a new graph?

Do you have any recommendations for graph generation?

Animation

Task: Run the animation for the current graph. Utilise the playback features as much as you need to try and best understand the algorithm. This is not timed.

[Animation runs]

What edges are included in the minimum cut? [Correct/Partially correct/Incorrect]

What is the maximum flow of this graph? [Correct/Incorrect]

How could you tell?

Can you tell me the purpose of each of the buttons on the bottom row? [Correct/Partially correct/Incorrect]

Can you tell me the purpose of this panel (pseudocode panel) here? [Correct/Partially correct/Incorrect]

On a scale from 1 to 5, with 1 being complete disagreement and 5 being complete agreement…:

* I was able to tell when the residual graph was being built
* I could tell when the augmenting path was found, and where it was
* It was clear to me when each edge of the augmenting path was augmented/decremented
* It was clear to me which edge of the residual graph was being updated

Were there any parts of the animation that weren’t clear to you (maybe demonstrate)?

Are there any features of the playback/animation that you liked?

Are there any features of the playback/animation that you disliked?

Do you have any recommendations about the animation?