LAB-8

PATH FINDING

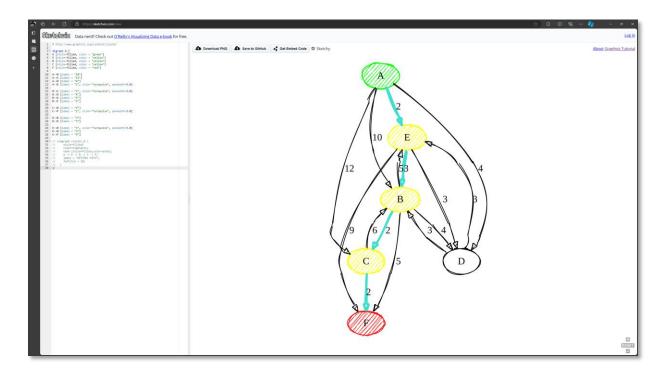


Fig 1.1: Graph on a visualizer website (SketchViz) with optimal path via Dijkstra Algorithm

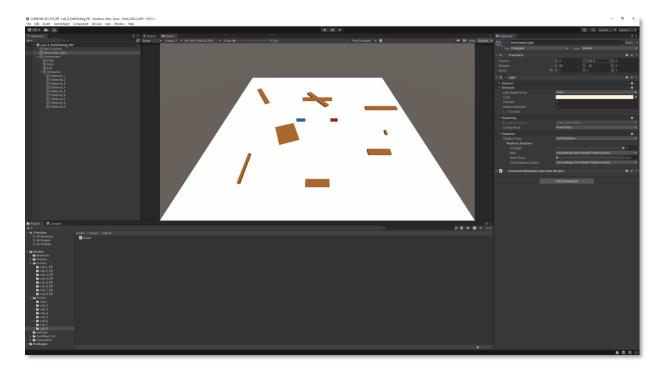


Fig 1.2: Screenshot showing Objects Placed

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Fig 1.3: Screenshot showing Graph Template

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Fig 1.4: Screenshot showing Dijkstra Algorithm File

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Fig 1.5: Screenshot showing Implementation of Dijkstra Algorithm

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Fig 1.6: Screenshot showing Supporting structure of Dijkstra Algorithm PT- 1

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Fig 1.7: Screenshot showing Supporting structure of Dijkstra Algorithm PT-2

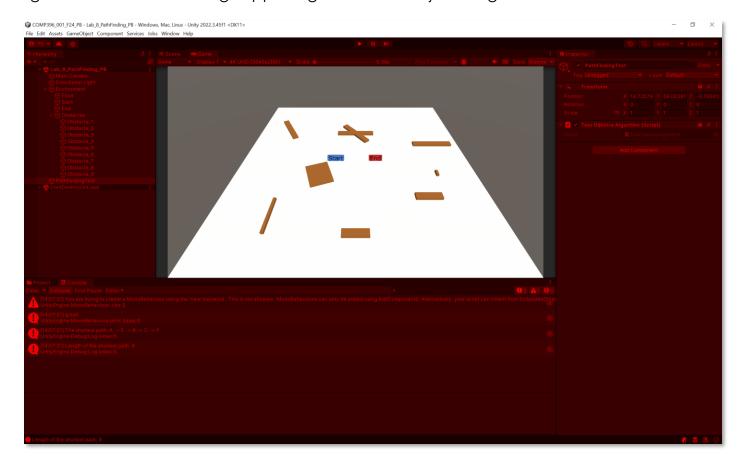


Fig 1.8: Screenshot showing Execution of Dijkstra's algorithm for " \mathbf{A} " to " \mathbf{F} " – (Path and Length in console)

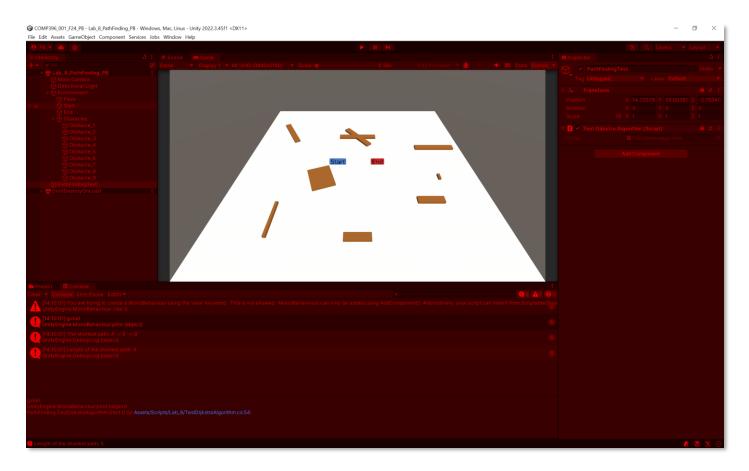


Fig 1.9: Screenshot showing Execution of Dijkstra's algorithm for "A" to "B" – (Path and Length in console)

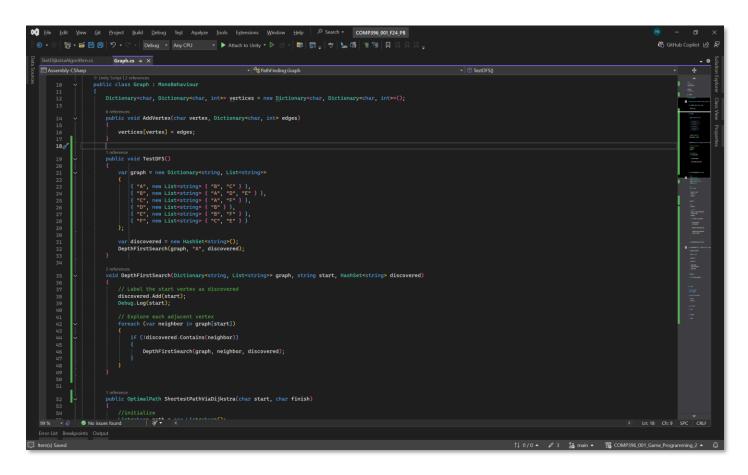


Fig 1.10: Screenshot showing BFS Search implementation

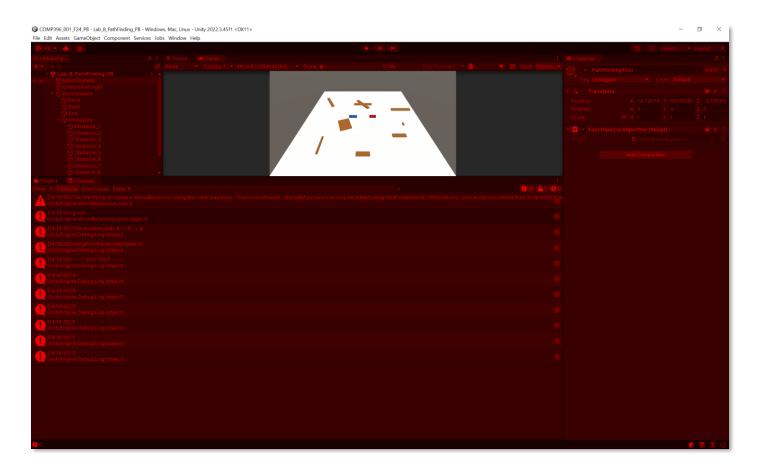


Fig 1.11: Screenshot showing BFS Search Execution in console