

LAB – 8

PATH FINDING

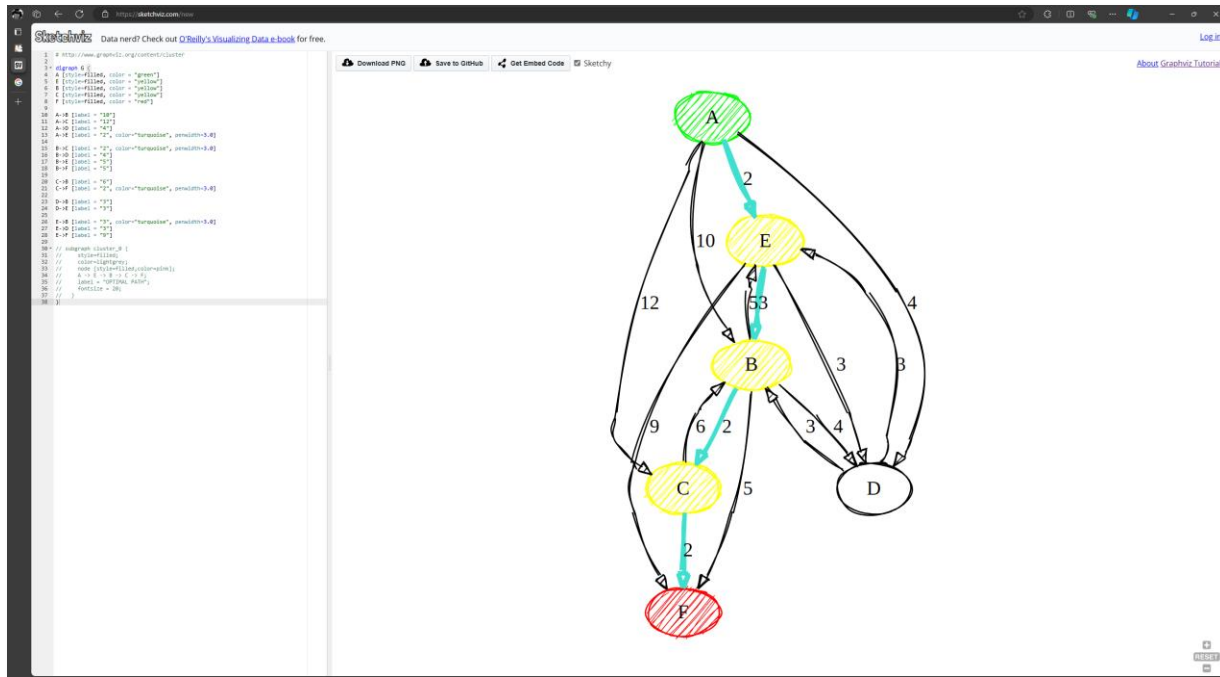


Fig 1.1: Graph on a visualizer website (SketchViz) with optimal path via Dijkstra Algorithm

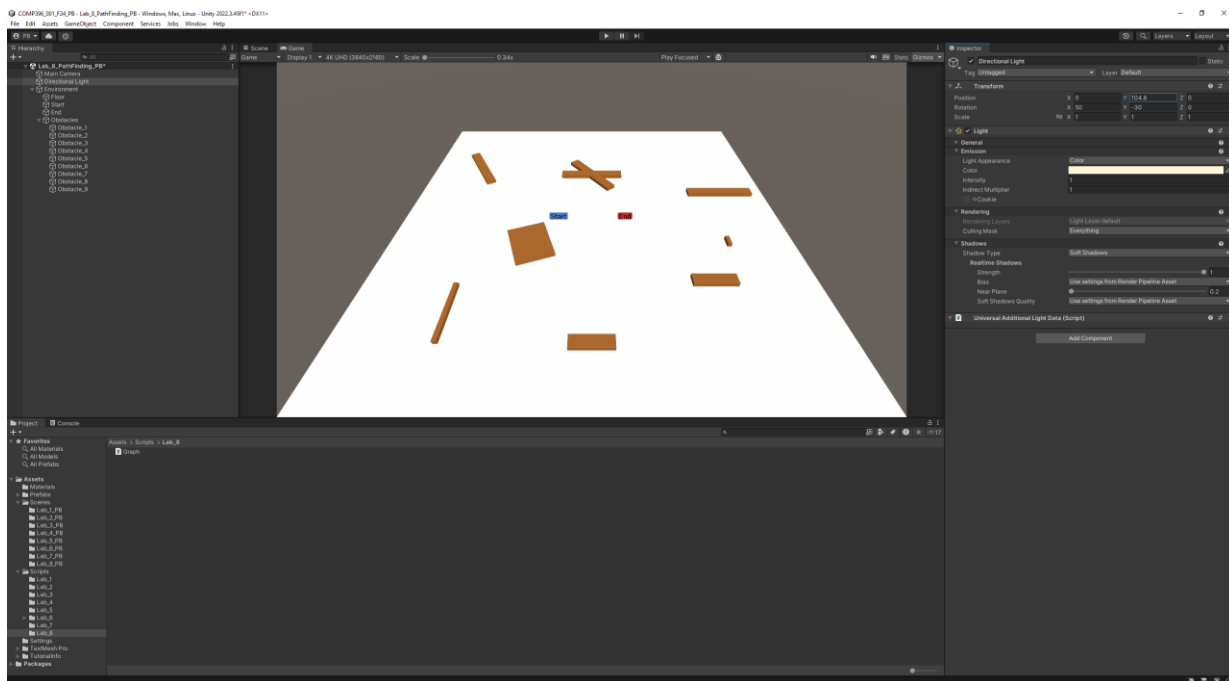


Fig 1.2: Screenshot showing Objects Placed

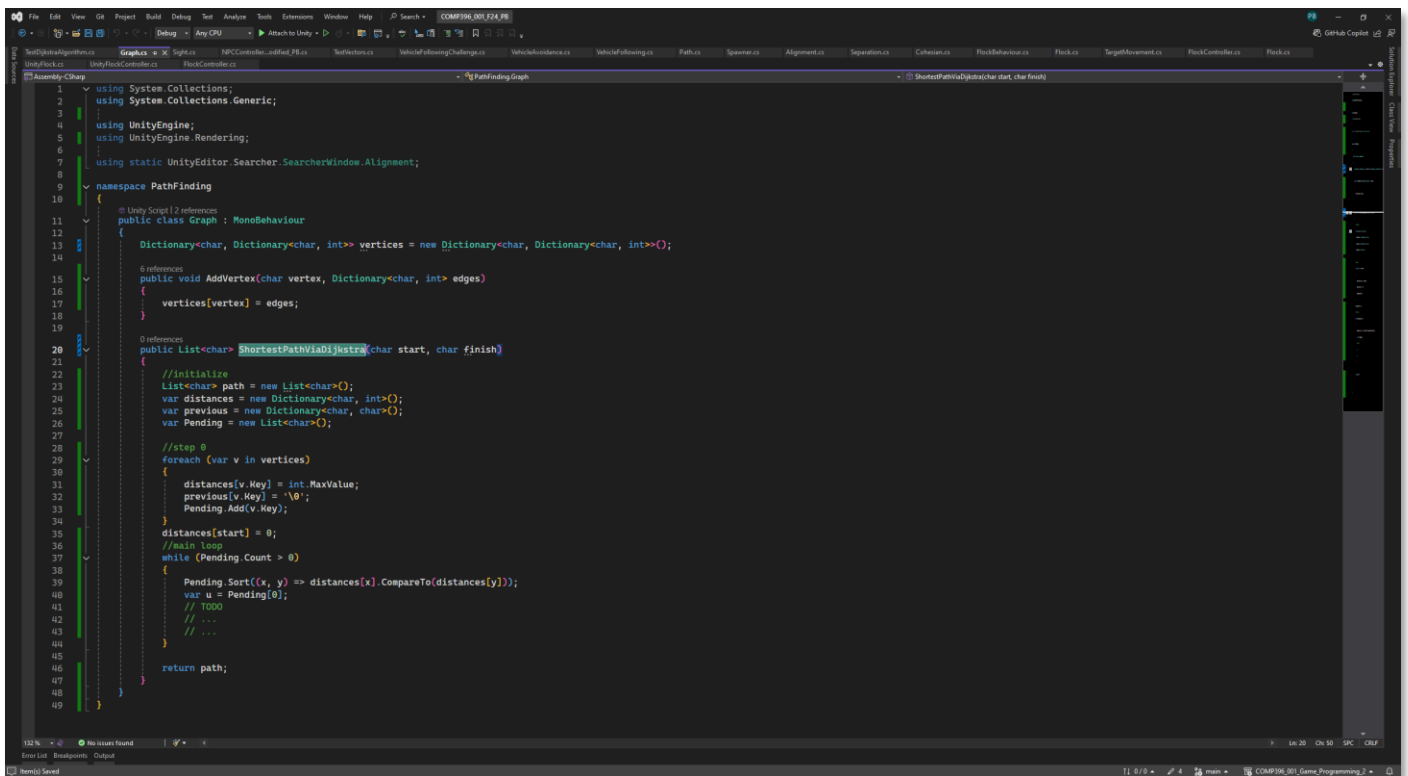


Fig 1.3: Screenshot showing Graph Template

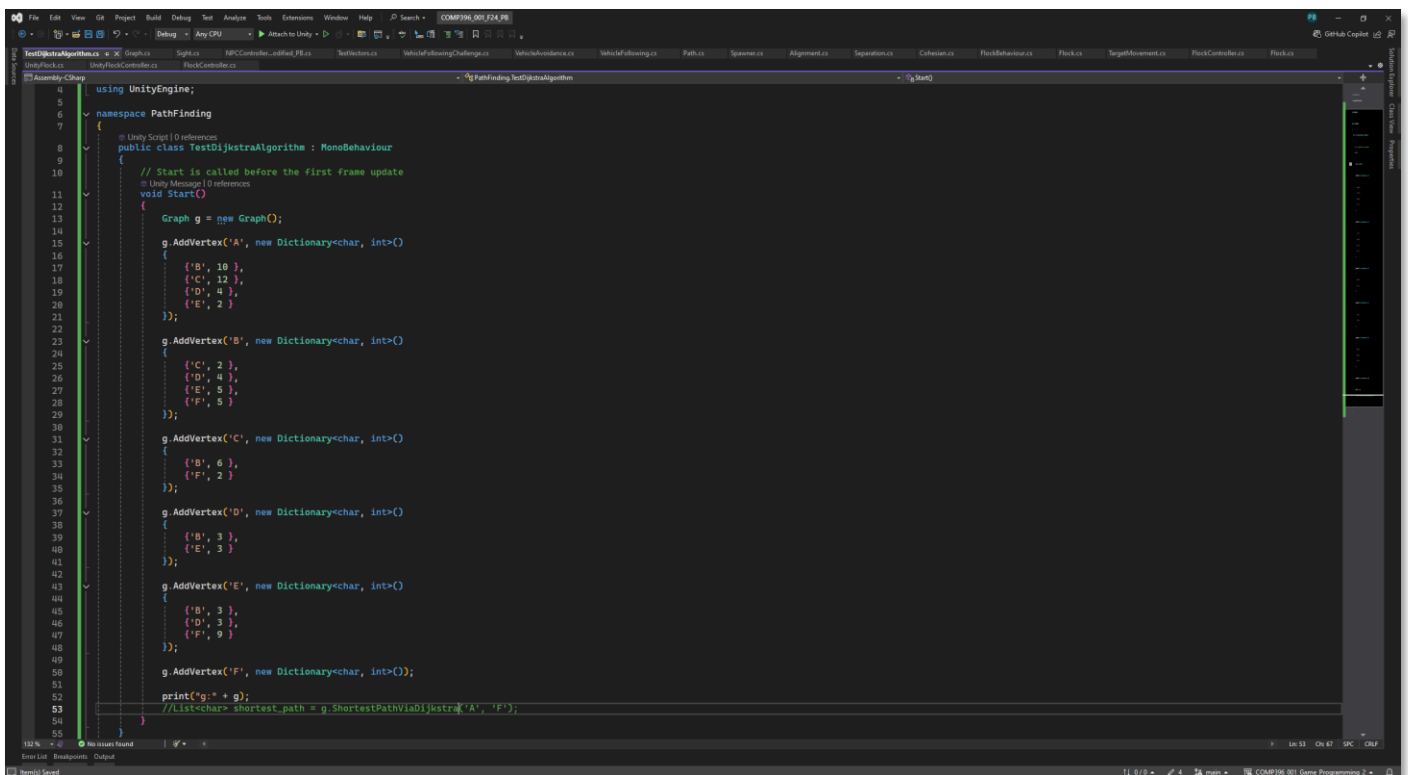


Fig 1.4: Screenshot showing Dijkstra Algorithm File

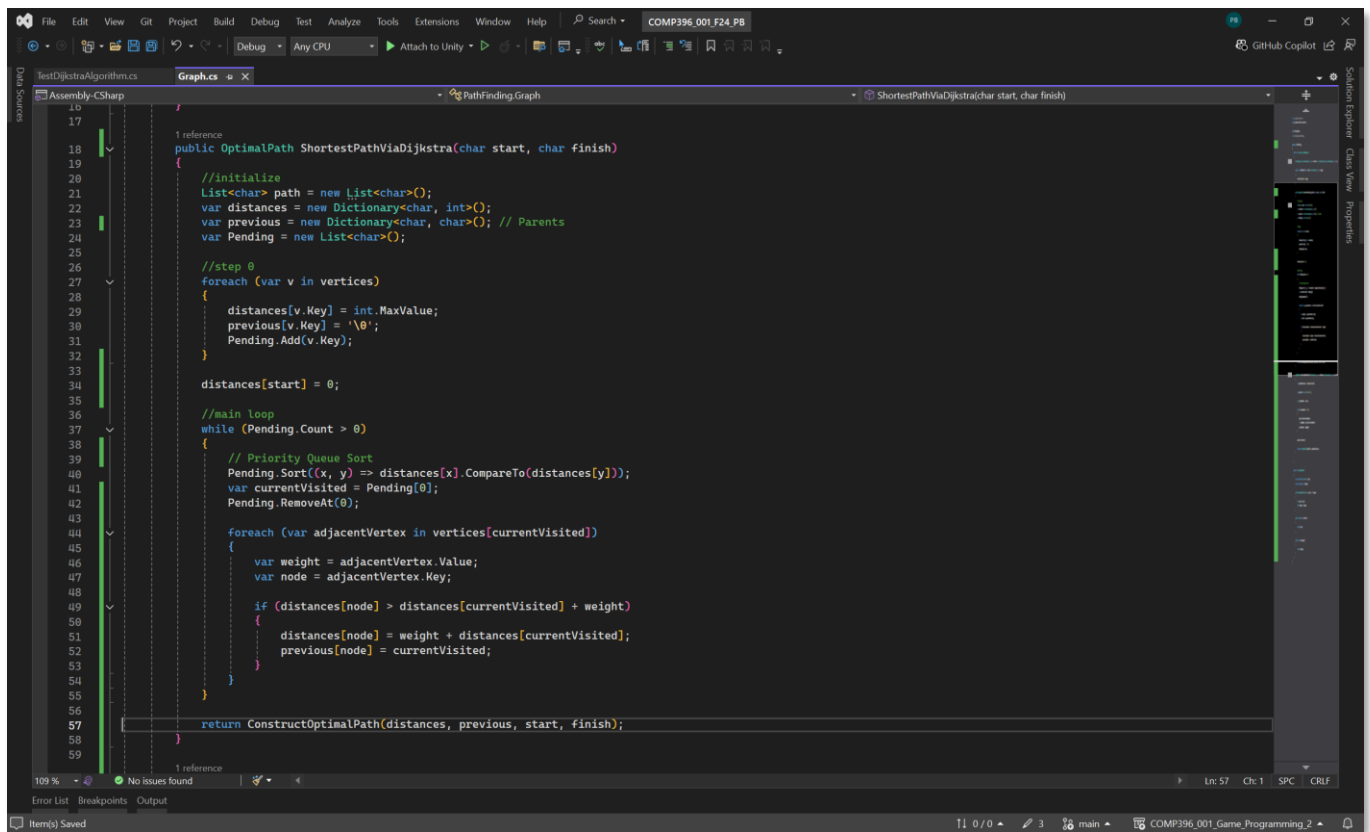


Fig 1.5: Screenshot showing Implementation of Dijkstra Algorithm

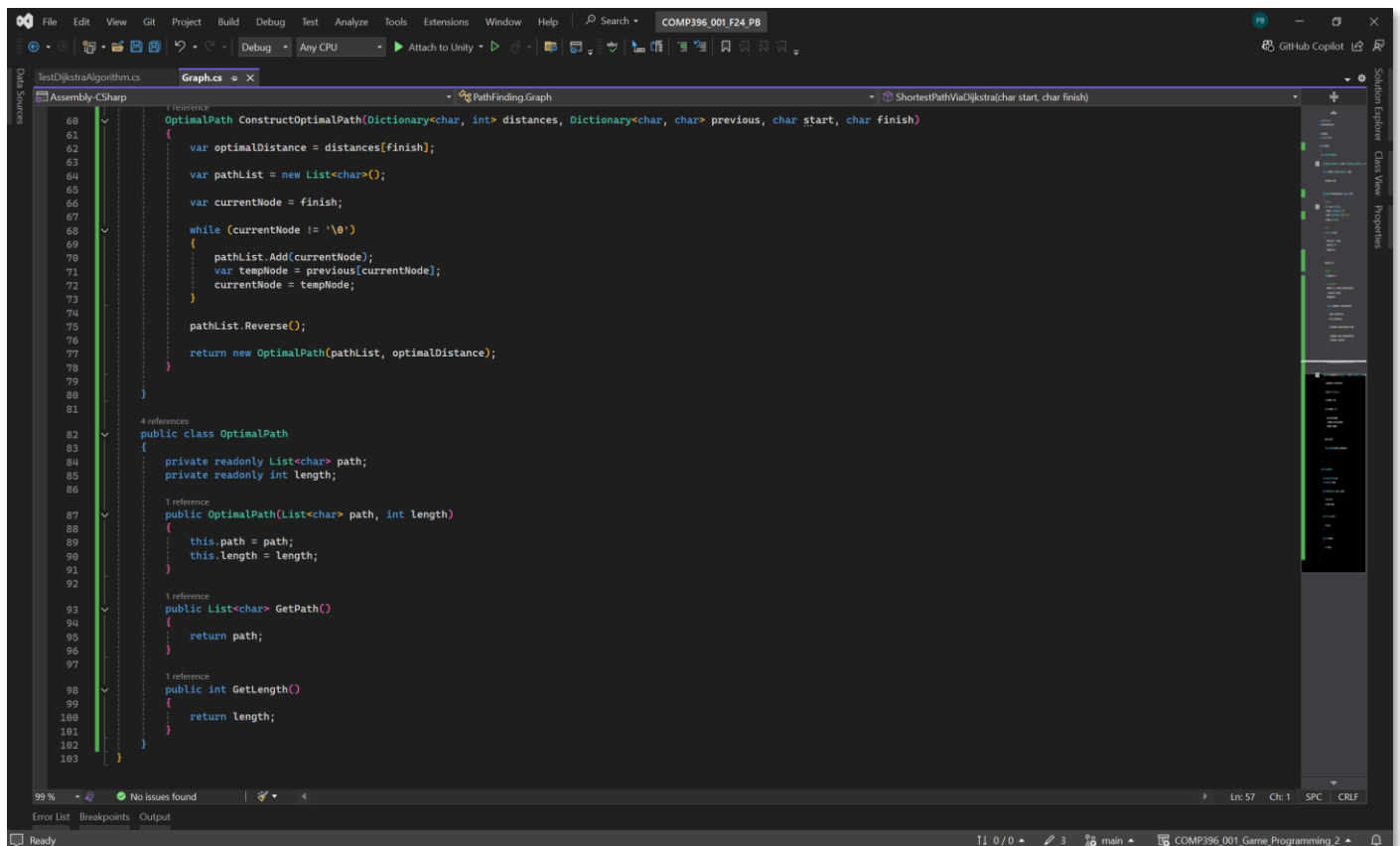


Fig 1.6: Screenshot showing Supporting structure of Dijkstra Algorithm PT- 1

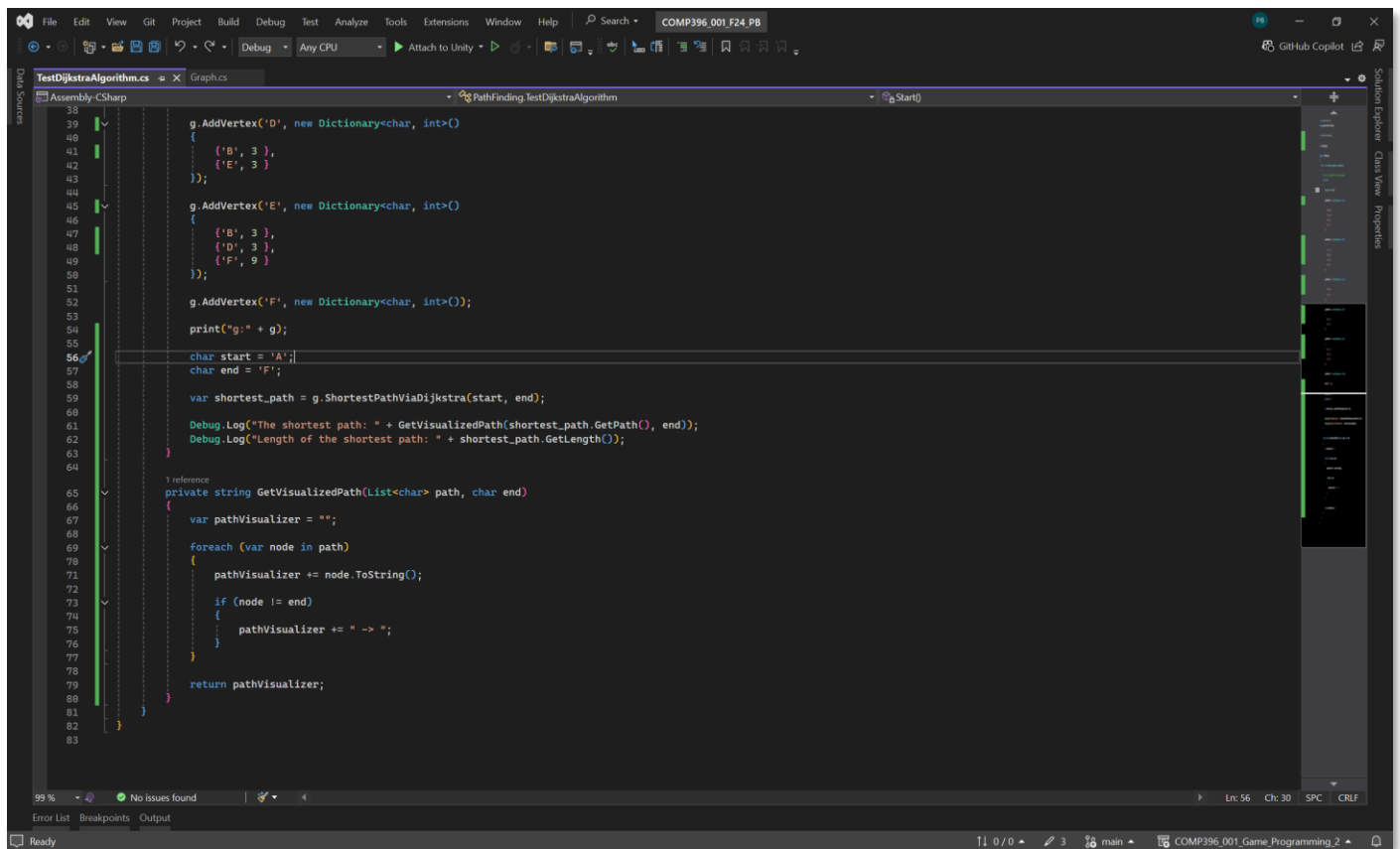


Fig 1.7: Screenshot showing Supporting structure of Dijkstra Algorithm PT- 2

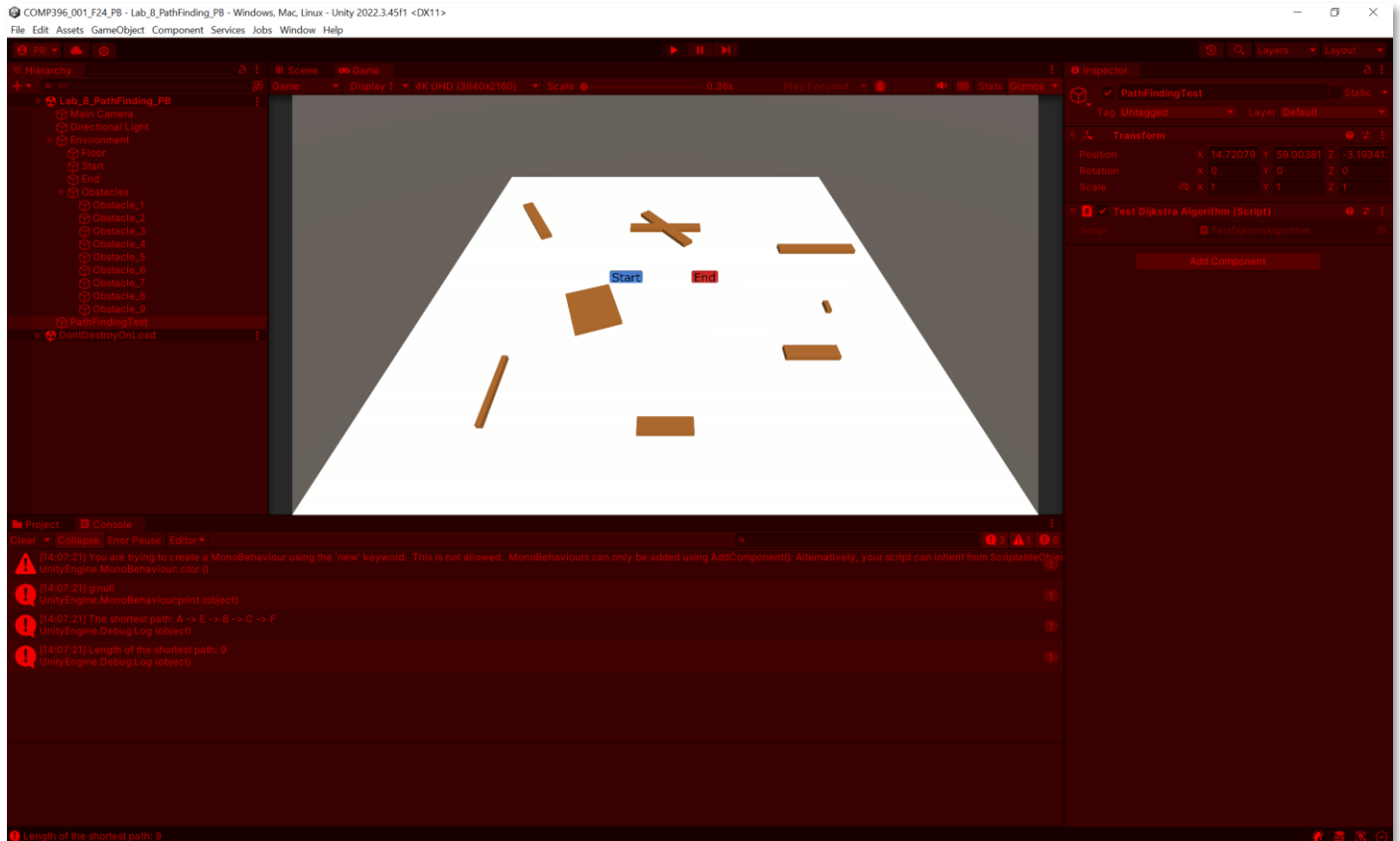


Fig 1.8: Screenshot showing Execution of Dijkstra's algorithm for "A" to "F"– (Path and Length in console)

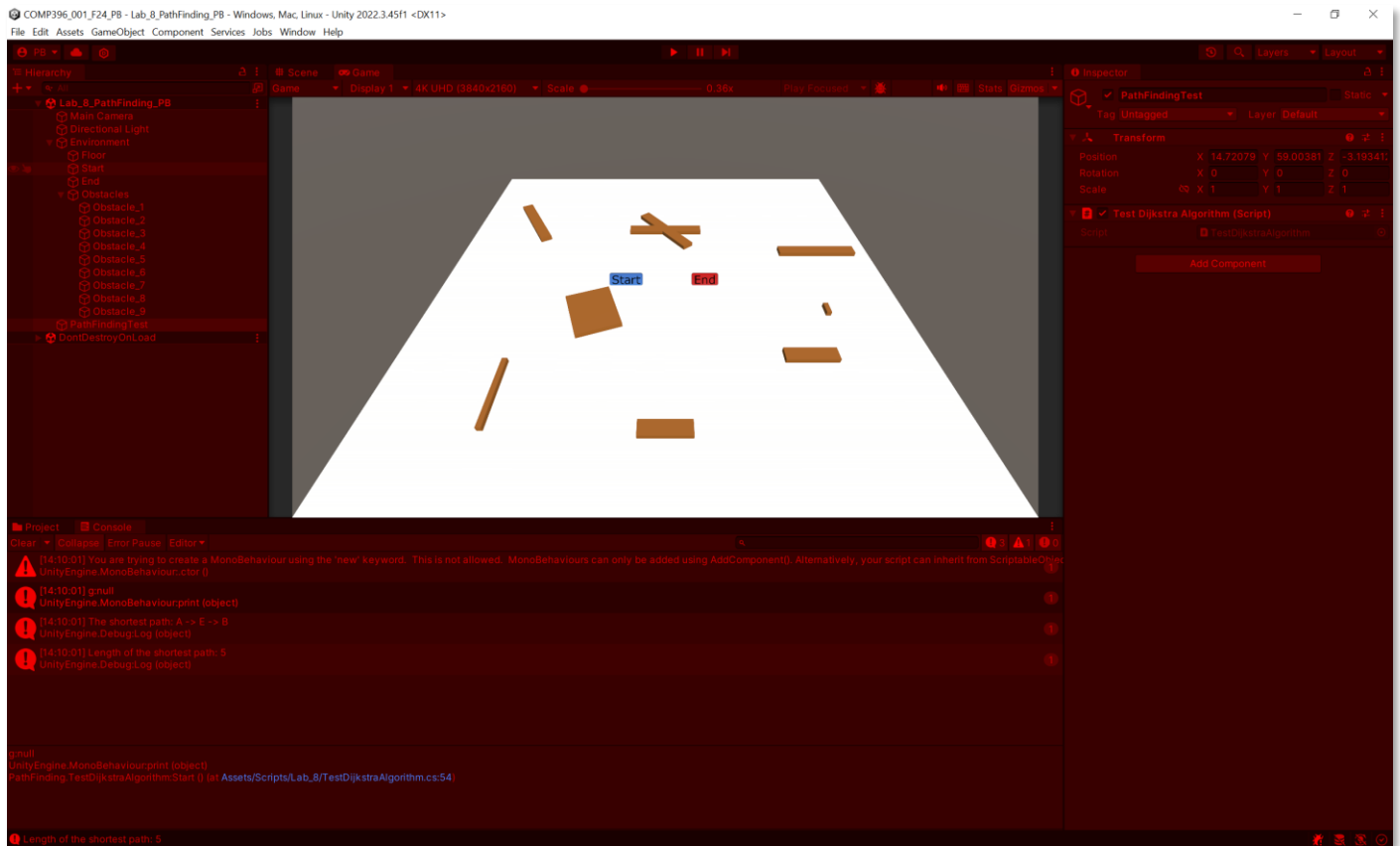


Fig 1.9: Screenshot showing Execution of Dijkstra's algorithm for "A" to "B"– (Path and Length in console)

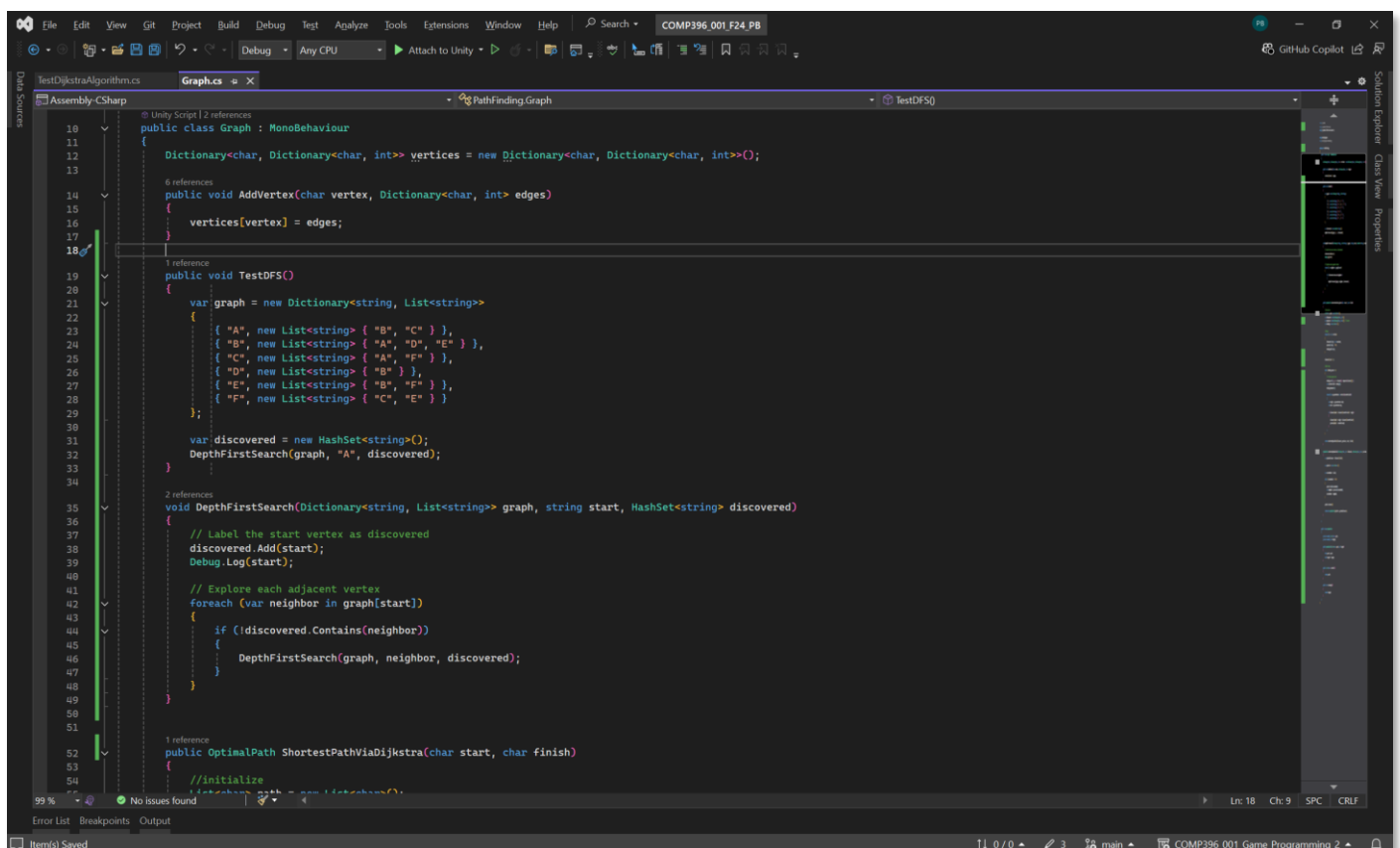


Fig 1.10: Screenshot showing BFS Search implementation

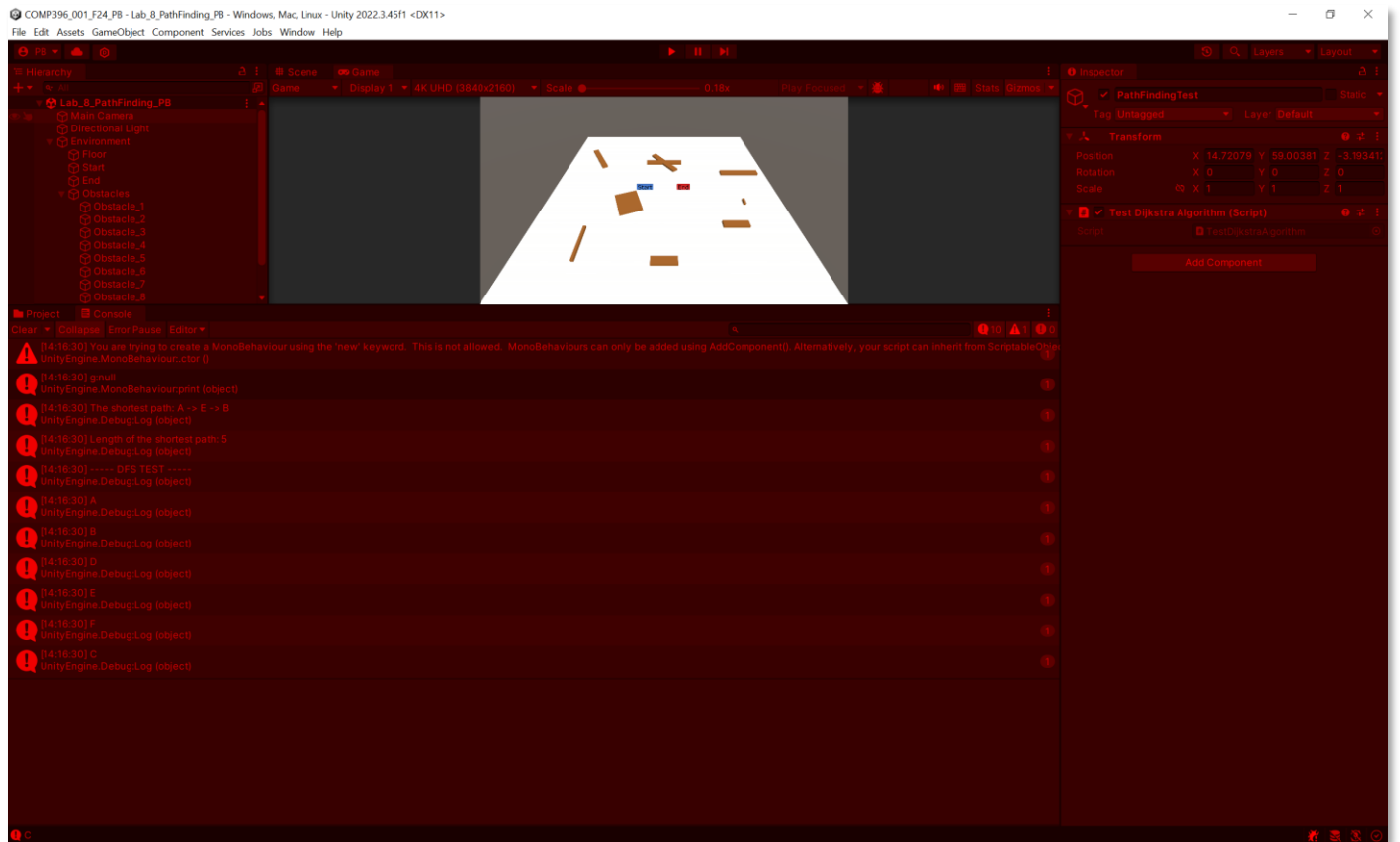


Fig 1.11: Screenshot showing BFS Search Execution in console