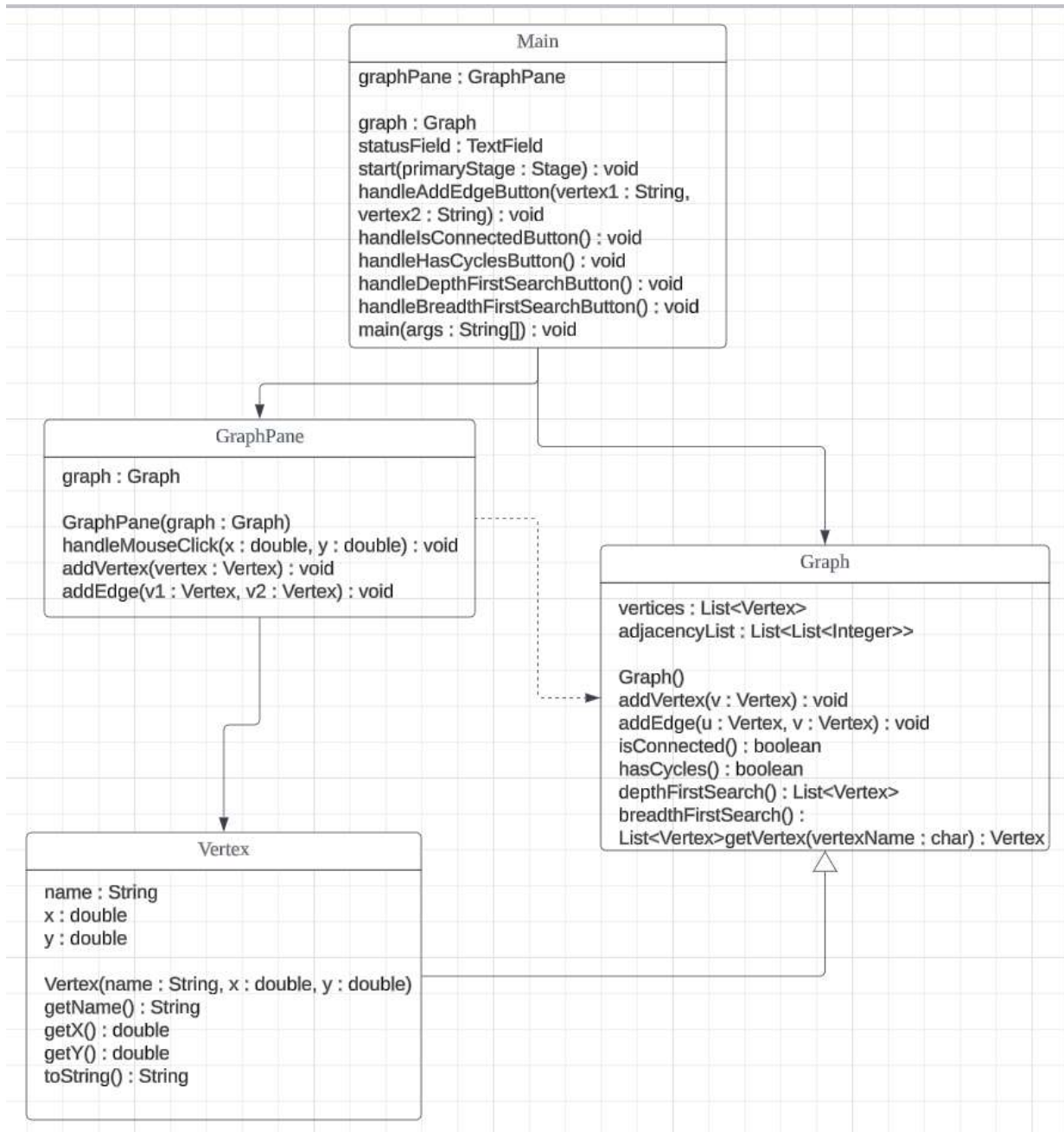
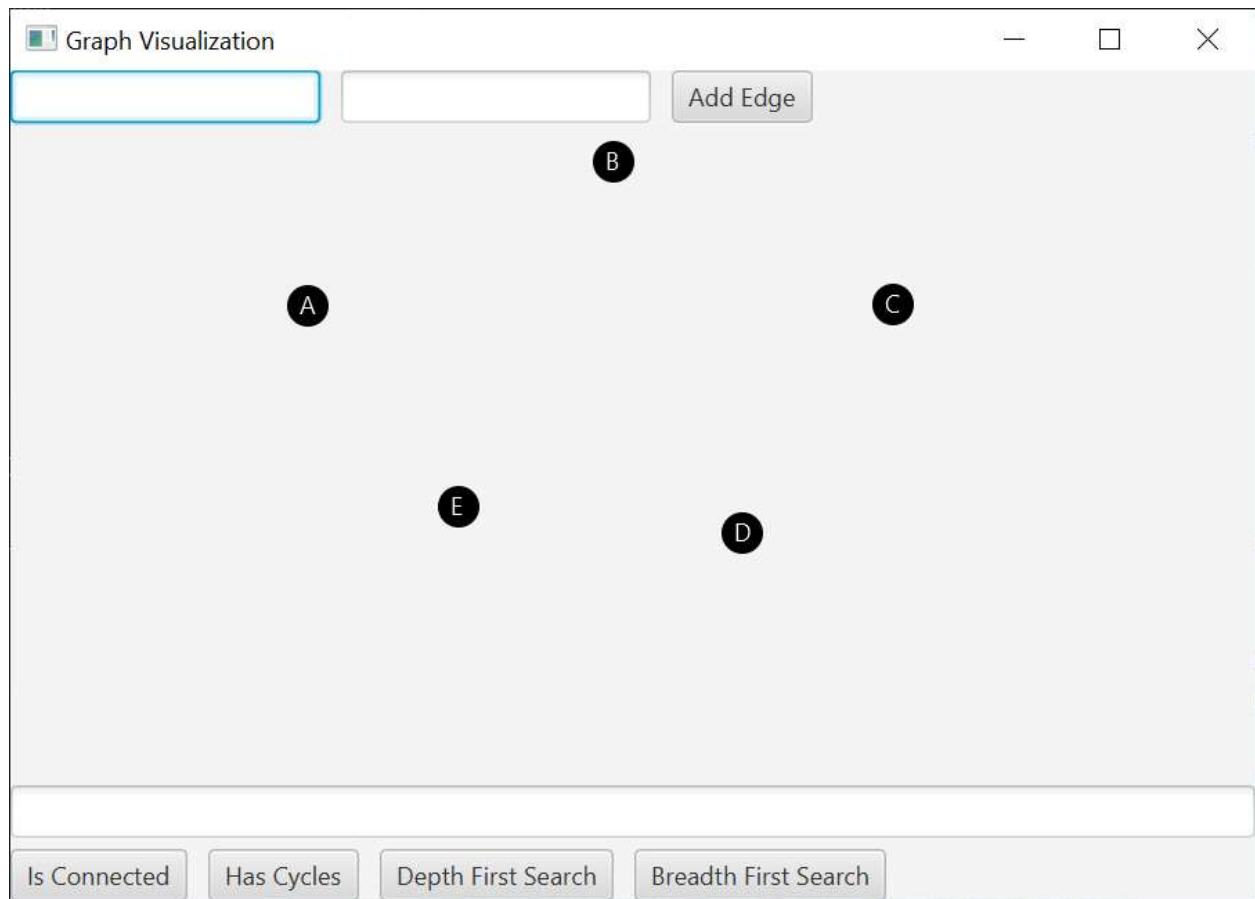


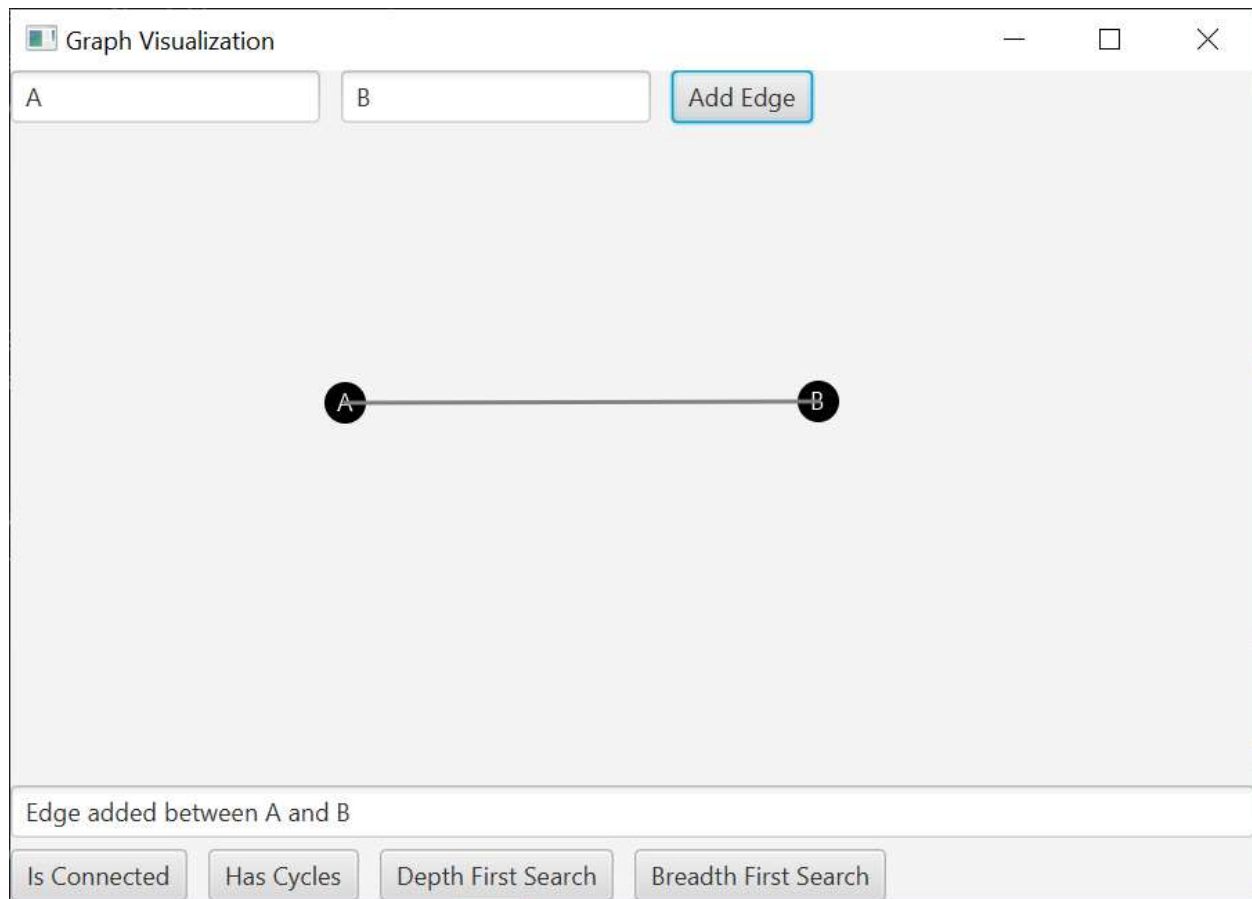
## UML Diagram:



Test Case 1:



## Test Case 2:



### Test Case 3:

Graph Visualization

A

F

Add Edge

A

B

Invalid vertex names.

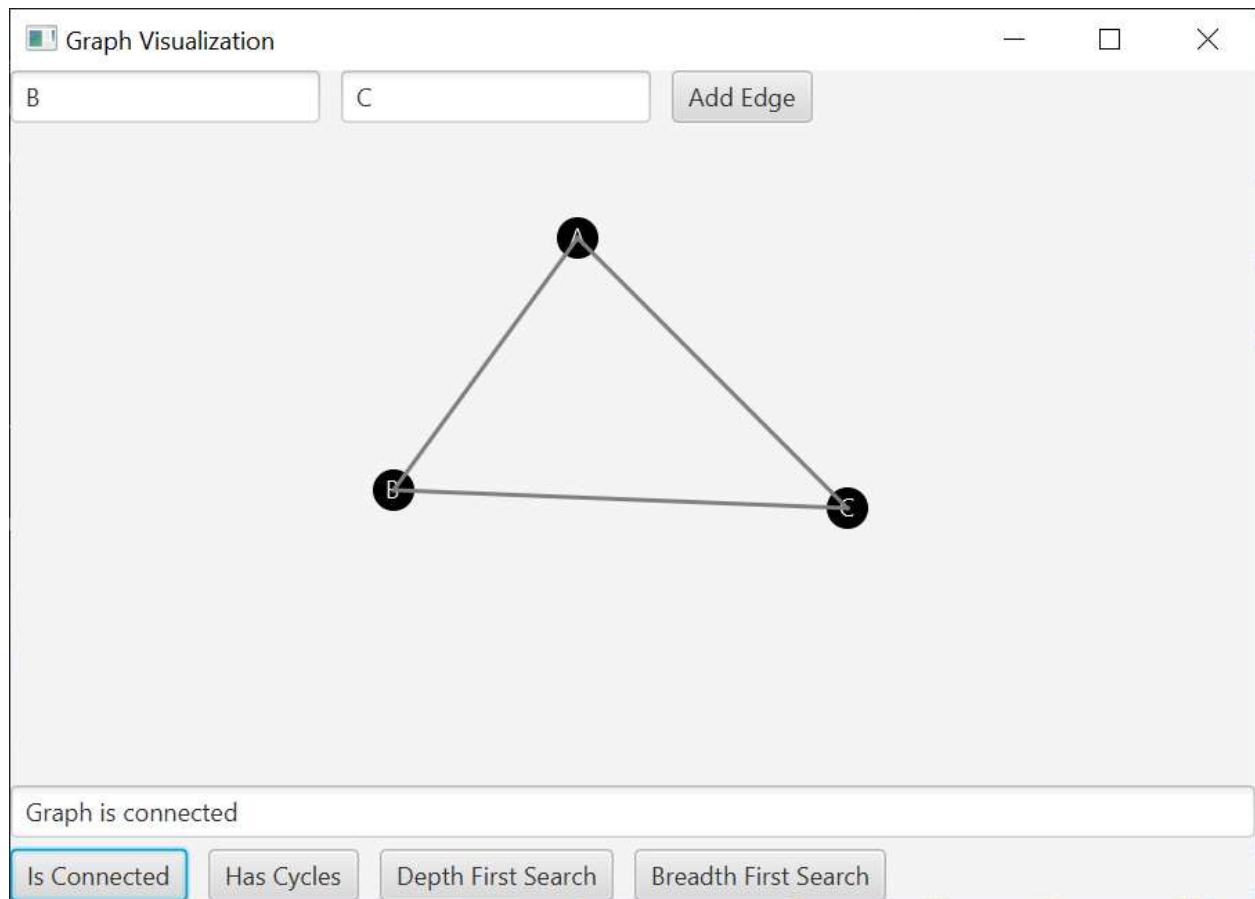
Is Connected

Has Cycles

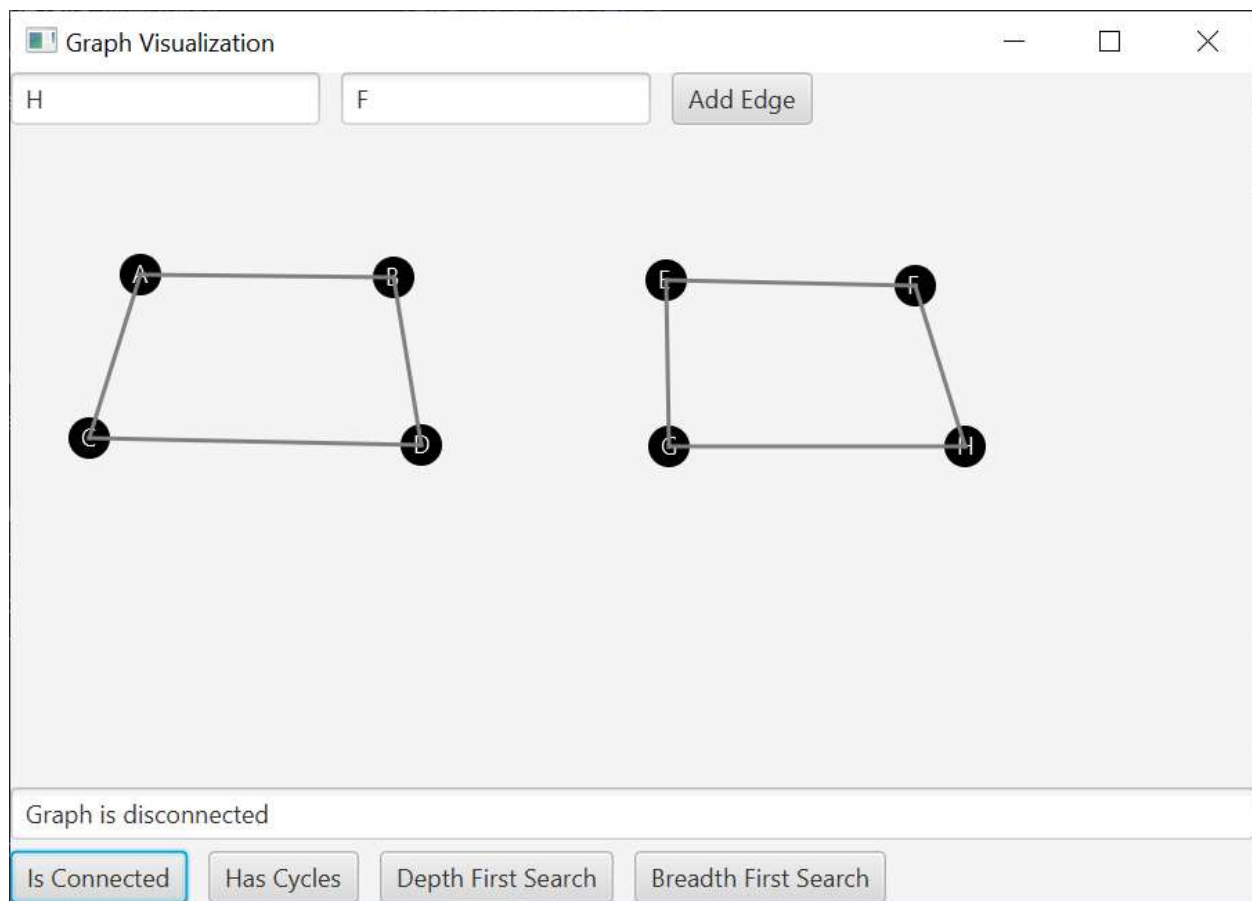
Depth First Search

Breadth First Search

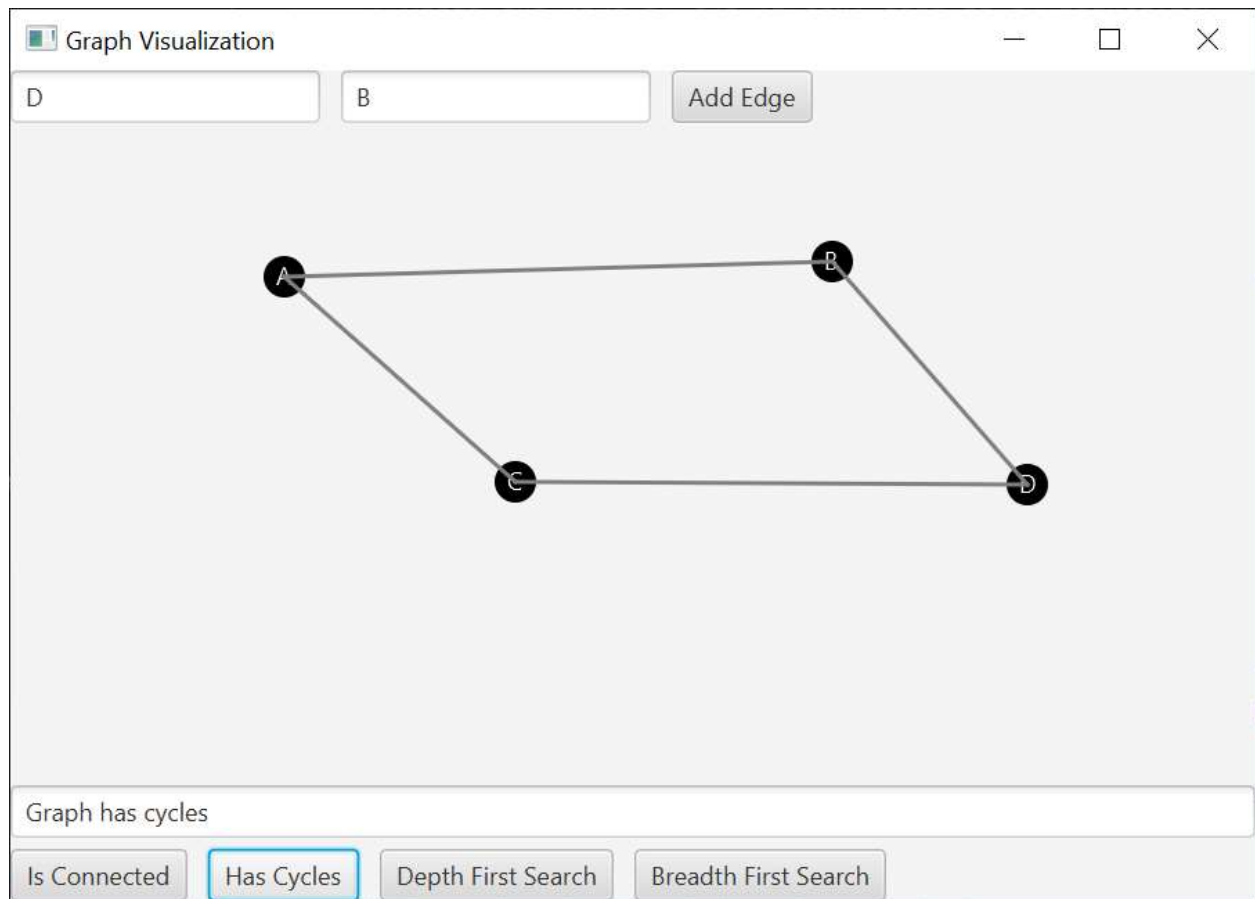
Test Case 4:



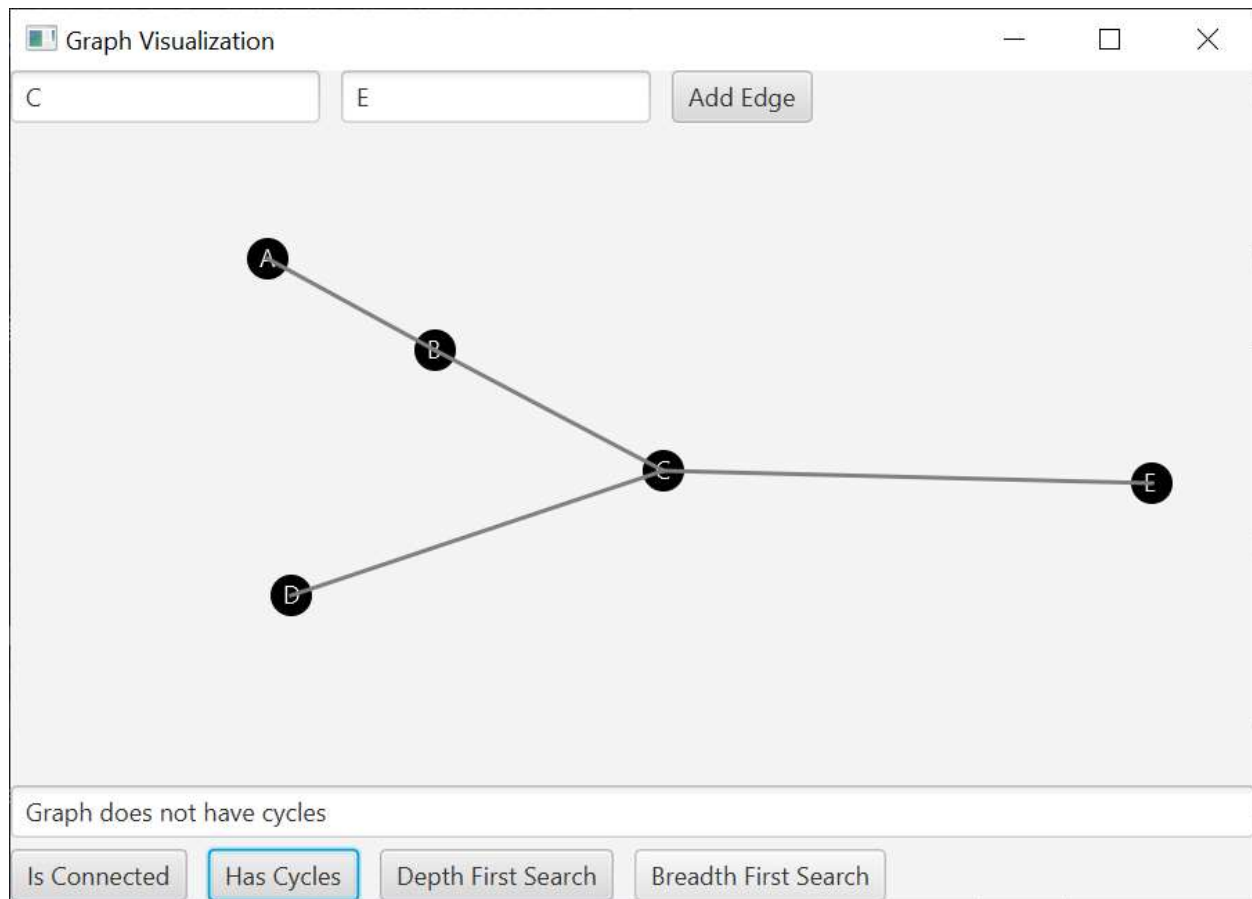
Test Case 5:



### Test Case 6:

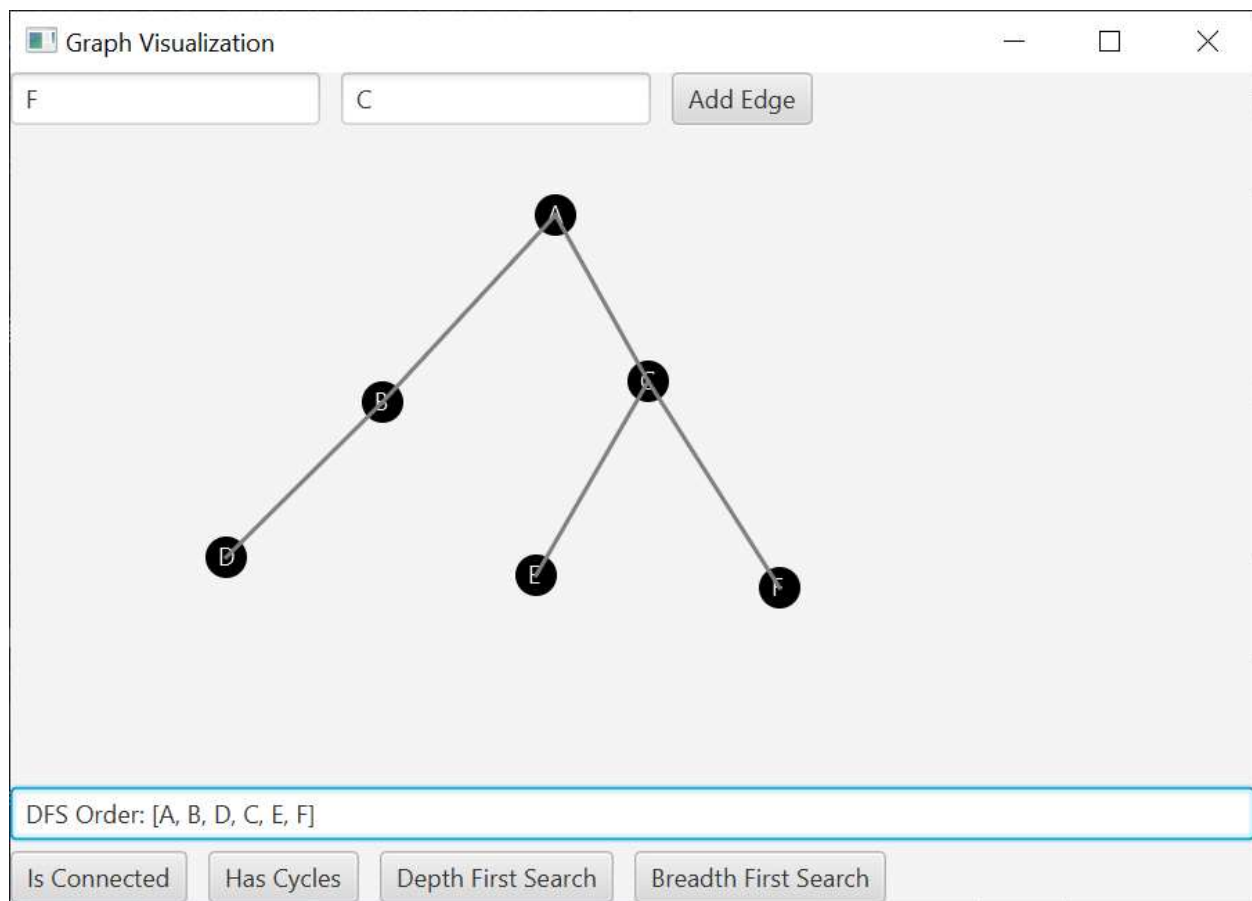


### Test Case 7:

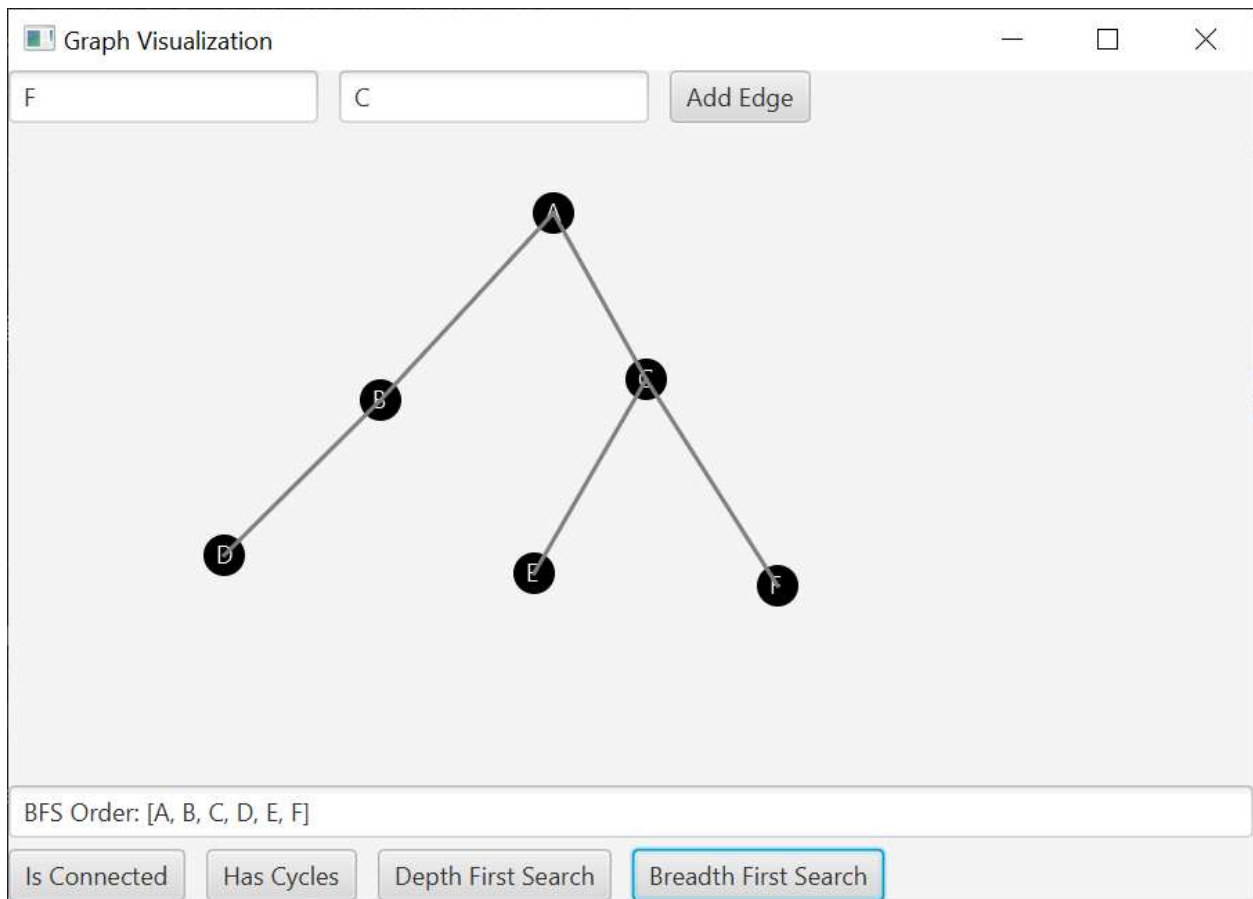




Test Case 8:



### Test Case 9:



### Test Case 10:

