## Testing Documentation

COIS 3020H : Assignment 1

Test 1		
Input	Inserting stations in the subway map to check <i>InsertStation()</i>	
Output	C:\Users\punya\source\repos\3020A1\3020A1\bin\Debug\netcoreapp3.1\3020A1.exe  My Subway Station Implementation New Station built : A New Station built : B New Station built : C New Station built : D New Station built : E New Station built : F New Station built : G New Station built : H New Station built : I New Station built : I New Station built : J	

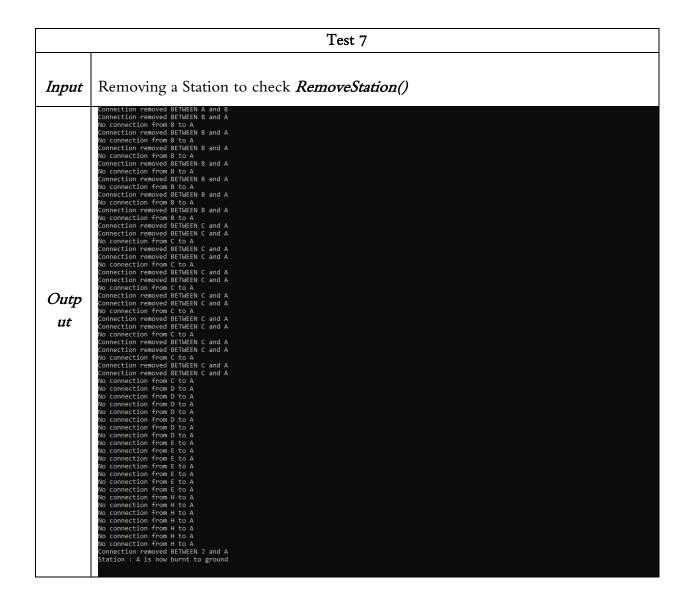
```
Test 2
Input
       Finding an existing station to check FindStation()
        ny Subway Station implementation
New Station built : A
        lew Station built : B
        lew Station built : C
        lew Station built : D
        lew Station built : E
        lew Station built : F
        Wew Station built : G
        lew Station built : H
        lew Station built : I
        lew Station built : J
Outpu
        Connection between : J AND A color : RED
  t
        Connection between : A AND B color : RED
        Connection between : B AND C color : BLUE
        Connection between : B AND D color : YELLOW
        Connection between : C AND D color : YELLOW
        Connection between : C AND F color : GREEN
        Connection between : C AND E color : ORANGE
        Connection between : D AND H color : PINK
        Connection between : H AND F color : VIOLET
        Connection between : E AND G color : ORANGE
        f -1 then not found else found at position is printed : 0
```

Test 3		
Input	Insert connections between the stations in the map to check  InsertConnection()	
Output	ew Station built : J onnection between : J AND A color : RED onnection between : A AND B color : RED onnection between : B AND C color : BLUE onnection between : B AND D color : YELLOW onnection between : C AND D color : YELLOW onnection between : C AND F color : GREEN onnection between : C AND E color : ORANGE onnection between : D AND H color : PINK onnection between : H AND F color : VIOLET onnection between : E AND G color : ORANGE	

Test 4		
Input	Implementing the finding shortest/ fastest route method that uses Breadth First Search.	
Output	onnection between : E AND G color : URANGE f -1 then not found else found at position astest distance between F and B is : FCB	

	Test 5	
Input	Implementing the finding <i>critical connections</i> method that uses <i>Depth First Search.</i>	
Output	Connection between : C AND D color Connection between : C AND F color Connection between : D AND H color Connection between : H AND F color Connection between : E AND G color If -1 then not found else found at Fastest distance between F and B is  Critical Connection Points : A	

Test 6	
Input	Removing a connection to check <i>RemoveConnection()</i>
Output	Connection between : B AND D color : Y Connection between : C AND D color : Y Connection between : C AND F color : C Connection between : C AND E color : C Connection between : D AND H color : F Connection between : H AND F color : V Connection between : E AND G color : C If -1 then not found else found at pos Fastest distance between F and B is :  Critical Connection Points : A Connection removed BETWEEN B and D



	Test 8		
Input	Finding a not existing station (the one we removed, this helps us show that program correctly shows that the station does not exist and also that it was removed correctly. Function used <i>FindStation()</i>		
Output	Station : A is now burnt to ground  If -1 then not found else found at position is printed : -1		

All the functions have been checked.

My map:

