

Cycle 1

Test ID	Test Description	Test Scenario	Expected Result	Test Result	Remark	Response
S1-ID01	Print adjacency list	Option 1 in the menu.	Unweighted adjacency list printed correctly.	Success	No further action.	N/A
S1-ID02	Print adjacency list	Option 5 in the menu.	Weighted adjacency list printed correctly.	Success	No further action.	N/A
S2-ID01	Find highest influence score	Option 2 in the menu.	BFS algorithm finds node with the highest influence score.	Success	No further action.	N/A
S2-ID02	Find highest influence score	Option 6 in the menu.	Dijkstra algorithm finds node with the highest influence score.	Success	No further action.	N/A
S3-ID01	Find lowest influence score	Option 3 in the menu.	BFS algorithm finds node with the lowest influence score.	Success	No further action.	N/A
S3-ID02	Find lowest influence score	Option 7 in the menu.	Dijkstra algorithm finds node with the lowest influence score.	Success	No further action.	N/A
S4-ID01	Find a specific nodes influence score	Option 4, valid input	BFS algorithm finds nodes' influence score.	Success	No further action.	N/A
S4-ID02	Find a specific nodes influence score	Option 4, invalid input	Error message re-prompted.	Fail	Crashes with special character usage.	Fixed.
S4-ID03	Find a specific nodes influence score	Option 8, valid input	Dijkstra algorithm finds nodes' influence score.	Success	No further action.	N/A
S4-ID04	Find a specific nodes influence score	Option 8, invalid input	Error message re-prompted.	Fail	Crashes with special character usage.	Fixed.
S5-ID01	Quit	Option 9 in the menu.	System closes.	Success	No further action.	N/A
S6-ID01	Menu functionality	Invalid menu input	Error message re-prompted.	Fail	Crashes with special character usage.	Fixed.

Cycle 2

Test ID	Test Description	Test Scenario	Expected Result	Test Result	Remark	Response
S4-ID02	Find a specific nodes influence score	Option 4, invalid input	Error message re-prompted.	Success	Added a tryParse to avoid runtime errors.	N/A
S4-ID04	Find a specific nodes influence score	Option 8, invalid input	Error message re-prompted.	Success	Added a tryParse to avoid runtime errors.	N/A
S6-ID01	Menu functionality	Invalid menu input	Error message re-prompted.	Success	Added a tryParse to avoid runtime errors.	N/A