

TEST PLAN

Test Number	Test Type	Target File	Purpose of Test	Test Data/Situation	Expected Result	Actual Result
1	black box	mainwindow.cpp	To see if the table displays the information correctly	Select Atlanta Falcons	Show all information regarding Atlanta Falcons	Showed all information regarding Atlanta Falcons
2	white box	mainwindow.cpp	Table displays all teams with correct information	Click the item in the drop down menu	Show all information for all teams	Showed all information for all the teams
3	white box	mainwindow.cpp	Table displays all stadiums with correct information	Click the item in the drop down menu	Show all information for all stadiums	Showed all information for all the stadiums
4	black box	mainwindow.cpp	Table displays all NFL Team Conferences with the selected items showing the correct conference	Click the item in the drop down menu. Next, click American Football Conference Only, then National Football Conference Only.	Shows AFL Only, then NFL only, no overlap	Showed AFL only, NFL only, no overlap noticed.
5	black box	mainwindow.cpp	See if the total works, the choices of Open, Fixed, and Retractable Roof show those stadiums that have those roofs.	N/A	Show total works for all choices. Total without choosing should be 23.	Everything worked
6	black box	mainwindow.cpp	Star players, all and team.	View all, then select filter by team.	View all works. Each team had it's own star player, just like how it should be.	Shows page with View all and Filter by team buttons. Clicking view all shows all star players from all teams. Filter by team shows a dropdown box to select from and shows the correct star players from the team selected
7	black box	mainwindow.cpp	Stadium seating capacity is correct	Click the item in the drop down menu.	Team Capacity should amount to: 2,162,427	Team Capacity amounted to: 2,162,427
8	black box	mainwindow.cpp	Stadium surface type	Click the item in the drop down menu.	Stadium Surface Type should be organized in alphabetical order.	
9	black box	mainwindow.cpp	Team Souvenirs	Click on the team names in order to show their souvenirs	Souvenirs of the team selected should pop up and display the name and the price	Everything went according to plan.
10	white box	buysouvenir.cpp	Test buy souvenirs	1- Select visit starting at ford field 2- Click See Preferred Routes 3- BUY SOUVENIR	Shows buy souvenir page with the list of possible souvenirs to buy	Works as expected. Shows buy souvenir page with correct team name and correct souvenirs with their prices.
11	white box	traversegraph.cpp	Distances must be correct	1- Select Traverse Graph 2- Go to each one: MST, BFS, DFS	Show show these results: MST = 7,389 Miles BFS = 9,419 Miles DFS = 13,321 Miles	Showed correct distances
12	white box	startlosangeles.cpp	Show correct Dijkstra distance	1- Select start at LA Memorial Col 2- Visit: Everbank field	Distance should show 2457	Distance shows the correct number