

Graph
- graph : QVector<Vertex> - dfsDistance: int - mstDistance: int
+ Graph() + ~Graph() + empty() : bool + size() : int + initializeGraph() : void + insertVertex(stadium: QString) : void + findVertex(stadium: QString) : int + insertEdge(u: QString, v: QString, weight: int) : void + vertices() : QVector<QString> + edges() : QVector<QString> + DFS(startingStadium: QString, dfs: QVector<QString>) : int + BFS(startingStadium: QString, bfs: QVector<QString>) : int + primJarnikMST(startingStadium: QString, mst: QVector<QString>) : - smallestEdgeDFS(currVertex: int, dfs: QVector<QString>) : int - BFSRecur(bfs: QVector<QString>, previousLevel: QVector<int>): int - otherVertex(currEdge : edge, startingStadium: QString) : QString - distance(v1: Vertex*, v2: Vertex*) : int - smallestEdgeMST(mst: QVector<QString>) : int - smallestEdge(vertex: int) : int - distanceBetween(v1: int, v2: int) : int - verticesVisited() : int - edgesDiscovered(currVertex: int) : int

Database
- instance : Database*
- Database() + getInstance() : Database* + returnTeamList() : UnsortedMap + returnSouvenirList() : QVector<Souvenir> + returnSouvenirList(stadium: Team) : QVector<Souvenir> + returnGraphEdges() : QVector<Edge> + returnNewStadiums() : QVector<Team> + returnNewSouvenirs() : QVector<Souvenir> + returnNewEdges() : QVector<Edge> + stadiumExists(stadium: Team) : bool + souvenirExists(souvenir: Souvenir) : bool + addStadium(stadium: Team) : void + addSouvenir(souvenir: Souvenir) : void + addDistances(stadium: Edge) : void + removeStadium(stadium: Team) : void + removeSouvenir(souvenir: Souvenir) : void + removeDistances(Edge stadium): void + editSouvenirPrice(souvenir: Souvenir, newPrice: double) : void + editStadium(team: QString, field: QString, newValue: QString) : void

Souvenir
- name : QString - teamName : QString - price : double
+ Souvenir() + setName(sName: QString) : void + setTeamName(sTeamName: QString) : void + setPrice(sPrice: double) : void + getName() : QString + getTeamName() : QString + getPrice() : double



