EDD\_Project +main(String):void AlgorithmSelectionListener Interfaces -onAlgorithmSelected(boolean):void WelcomeInterface NetworkTrain -stations:LinkedList<Station> -graph:Graph LinkedList -isGraphShown:boolean BranchListener Queue -networkTrain:NetworkTrain -stations:LinkedList<Station> -head:Node +addStation(String):void -list:LinkedList<T> -last:Node -tValue:int +addStation(String,String):void -size: int +getStation():Station +isEmpty():boolean +addConnection(String,String):void +enqueue(Nodo):void 1 +getNeighbors(Station):LinkedList<Station> +add():void +dequeue():Node +getStationByName(String):Station +addFirst():void +removeFirst():Node +loadFromJson():void -initComponents():void -onBranchChanged():void +printGraph():void +display(): void -ShowPanel():void +remove():void -onChangePanel():void +printNetwork():void +contains():boolean +onBranchChanged():void +getStations():LinkedList<Station> +size():int -updateBranchesDisplay():void +printStations():void +Iterator():Node +nStationsLoaded():void +setStations():void +get():Node +onTValueChanged():void +getHead():Node -showGraphButtonActionPerformed():void +isEmpty():Boolean -addStationActionPerformed():void Node +toString():String -addLineButtonActionPerformed():void BFSListener -deleteBranchActionPerformed():void -setTActionPerformed():void -pnext:Nodo -branchCoverageActionPerformed():void -caracteres\_adyacentes:ListaAristas -totalCoverage1ActionPerformed():void -checkNetworkLoaded():void +main(String):void +getCaracter():String +setCaracter():void +getpNext():Nodo Station +setpNext(Nodo):void -onStationAdded(Station):void -name:String -onConnectionAdded(Station, Station):void -connection:LinkedList -visited:boolean -neighbors:LinkedList(Station) Connections +addConnection(Connection):void -connectionContains(Connection):Station GUI -station1:Station +getName():String -station2:Station +getConnections():LinkedList<Connection> **TValueListener** -networktrain:NetworkTrain -Type:String +getSpecialConnections():LinkedList -Graph:graphStreamGraph -isSpecialConnection(Connection):boolean -stations:LinkedList<String> +setName():void +getStation1:()Station -branches:LinkedList<Station> +setConnections():void +getStation2():Station +isVisited():Boolean +setStation1(Station):void -listeners:LinkedList<StationLoadListener> +setStation2(Station):void +setVisited(Boolean):void -selectedAlgorithm:String +getNeighbors():LinkedList<Station> +getType():String -startStationName:String +setNeighbors(LinkedList<Station>):void +setType():void -isNetworkWindowOpen:boolean +printConnections(LinkedList<Station>):void +isPedestrian():boolean -onTValueChanged(int):void -tValueListeners:LinkedList<TValueListener> +isEqual(COnnection):boolean -bListeners:LinkedList<BranchListener> +getNeighbors(Station):Station -algorithmSelected:boolean -aListeners:LinkedList<AlgorithmSelectionListener> +onStationAdded(Station station):void +onConnectionAdded(Station, Station):void +onAlgorithmSelected(boolean):void PanelChangeListener +addAlgorithmSelectionListener(AlgorithmSelectionListener):void Stack +removeAlgorithmSelectionListener(AlgorithmSelectionListener):void +notifyAlgorithmSelection(boolean):void +isDFSSelected():boolean +onBranchChanged():void -list:LinkedList +addBranch(Station):void +addBranchListener(BranchListener):void +notifyListeners():void +addTValueListener(TValueListener):void -onChangePanel():void +notifyTValueChanged(int):void +setT(int):void +pop():<T> +addStationLoadListener(StationLoadListener):void +push(T):void +notifyStationsLoaded():void +isEmpty():boolean +initUI():void +peek:String +showNetworkTrain(JSONObject):void +checkTotalCoverage():void ShowBranchesCoverage ShowSuggestedBranches ShowTotalCoverage +addCoveredStations(LinkedList<Station>,LinkedList<Station>):void +getUncoveredStations(boolean):LInkedList<Station> StationLoadListener +suggestNewBranches(boolean):void -coveredStations:LinkedList<Station> +cleanBranches():void -listener:PanelChangeListener -listener:PanelChangeListener -listener:PanelChangeListener +getCoveredStationsDFS(Station,int):LinkedList<Station> -gui:GUI -gui:GUI +runDFS(Station,LinkedList<Station>, Set<Station>, int , int):void -selectedAlgortihm:boolean -selectedAlgortihm:boolean networktrain:NetworkTrain +getCoveredStationsBFS(Station,int):LinkedList<Station> -algorithmListener:AlgorithmSelectionListener +updateGraph():void +calculateDistance(Station,Station):int +isNetworkLoaded():boolean +getBranches():LinkedList<Station> -initComponents():void -onStationsLoaded(LinkedList<Station>):void -initComponents():void +getNetworkTrain():NetworkTrain -displayCoveredStations():void -initComponents():void -onAlgorithmSelected():void -onAlgorithmSelected():void +removeBranch(Station):void -convertListToString():String DepthFirstSearch BreadthFirstSearch +getCoveredStationsDFS(Station):LinkedList<Station> -closeButtonActionPerformed():void -onBranchChanged():void -onBranchChanged():void -closeButtonActionPerformed():void -closeButtonActionPerformed():void +getCoveredStationsBFS(Station):LinkedList<Station> -selectDFSButtonActionPerformed():void -selectDFSButtonActionPerformed():void +runDFS(Station, LinkedList<Station>,int,int):void -selectBFSButtonActionPerformed():void -selectBFSButtonActionPerformed():void +runBFS(Station,LinkedList<Station>, int):void -startStation:Station -showTotalCoverage():void -showSuggestedBranches():void +getNeighbors(Station):LinkedList<Station> -visitedStations:LinkedListed<Station> -graph:NetworkTrain +runDFS(Station):void -visitedStations:LinkedList<String> +runBFS(Station):void NetworkTrainListener +checkForConflict(Station,int):boolean +addEdgeIfNotExists(String, String):void +addStationToGraph(String):void +verificateStations(String):void +traverse(BFSListener):void +getT():int +printVisitedStations():void +updateGraph2():void +dfs(String):LinkedList<String> +isVisited(Station):boolean +main(String):void +getVisitedStations():LinkedList<Station> -stationVisited(Station):void Page5 -selectedBranchName:String -electedAlgorithm:String -gui:GUI Page3 Page1 Page4 -networtrain:NetworkTrain Page6 -gui:GUI -gui:GUI -branches LinkedList<Station> -gui:GUI -listenes:TValueListener -listener:PanelChangeListener -listener:PanelChangeListener -networktrain:NetworkTrain -initComponets():void -gui:GUI -initComponents():void -displayBranchesList():void -initComponents():void -initComponents():void -initComponents():void -inputBranchToAddActionPerformed():void -dfsSelectButtonActionPerformed():void -inputRemoveBranchActionPerformed():void -stablishTActionPerformed():void -initComponents():void -addStationsActionPerformed():void -checkTotalCoverageButtonActionPerformed:void -addBranchButtonActionPerformed():void -removeBranchButtonActionPerformed():void -suggestedBranchesButtonActionPerformed:void -bfsSelectButtonActionPerformed:void -inputConnectionsToAddActionPerformed():voic -seeCoverageActionPerformed:void -inputBranchNameActionPerformed:void -inputStationsToAddActionPerformed():void -addSucursalNameActionPerformed:void