

model

Rail
- lineName:String - connectedStation:Station - duration:int
+ Rail(lineName:String, connectedStation:Station, duration:int) + getLineName():int + getConnectedStation():Station + getDuration():int + toString():String

Station
- name:String - rails:ArrayList<Rail>
+ Station(name:String) + Station(name:String, rails:ArrayList<Rail>) + getName():String + getLines():ArrayList<Rail> + checkConnectedStation(stationName:String):boolean + checkNextStationOnLine(lineName:String):boolean + getConnectedRails():ArrayList<Rail> + getConnectedStations(lineName:String):ArrayList<Station> + addRail(rail:Rail) + getDurationToStation(station:Station, lineName:String):int + toString():String

Route
- journey:LinkedList<Station> - totalDuration:int - continueLine:boolean
+ Route(startStation:Station) + Route(journey:LinkedList<Station>, totalDuration:int) + getTotalDuration():int + getJourney():LinkedList<Station> + getCurrentStation():Station + addToRoute(rail:Rail) + shouldContinue():boolean + toString():String + getJourneyPrintout():String + addDuration(duration:int)

controller

<<Controller>>
+ listAllTermini(line:String) :String + listStationsInLine(line:String) :String + showPathBetween(stationA:String, stationB:String) :String

RailwayController
- stations:HashMap<String,Station> - lines:HashMap<String,ArrayList<Station>>
+ listAllTermini(line:String):String + listStationsInLine(line:String):String + showPathBetween(stationA:String, stationB:String):String - getTermini(lineName:String):ArrayList<Station> - listConStations(newStation:Station, prevStation:Station, lineName:String):String

view

TUI

Importer
- stations:HashMap<String,Station> - lines:HashMap<String,ArrayList<Station>
+ createController(filePath:String):RailwayController - processTextLine(textLine:String) - checkAndAddStation(fromStation:String):Station - addToStation(fromStation:Station,lineName:String,toStation:Station,duration:int) - processLine(station:Station,lineName:String) - addStation(lineName:String,station:Station)

Main
+ main(args:String[])