CLASS SubwayTrain

Name Type Description

numOnBoard int number of people on board

maxCapacity int maximum people allowed on board

currentStation int current location of subway train

numStations int # stations on the route

destStation int destination station # of subway train

awayStation int

numAtStationOne int

numAtStationX int

METHODS (Behaviors)

Name Return type Parameters Description

SubwayTrain NA Number of stations Use to set numStations

Max Capacity Use to set maxCapacity

startStation Use to set currentStation

awayStation Use to set awayStation

numAtStationOne Use to set numAtStationOne

numAtStationX Use to set numAtStationX

Init numOnBoard = 0

Init destStation = currentStation

Instantiates a Java Random object

getNumOnBoard int

getMaxCapacity int

getCurntStation int

getNumStations int

getDestStation int

getAwayStation int

getNumAtStationOne int

getNumAtStationX int

setAwayStaion void

setNumAtStationOne void

setNumAtStaionX void

moveToStation void Destination station Displays: station # it’s leaving,

station # arriving at, & # passengers

on board

unloadAll void none Offload a random # of people

returned from genRandNumber

Updates numOnBoard

loadToCapacity void none Loads a random # of people

returned from genRandNumber,

but only up to maxCapacity.

Updates numOnBoard.