**Class: Elevator**

**DATA**NAME TYPE DESCRIPTION

numOnBoard int Number of riders currently on elevator

maxCapacity int Max # persons who can fit onto elevator

currentFloor int Current floor of stopped elevator

destFloor int Destination floor of moving elevator

maxFloor int Top floor elevator can go to

minFloor int Lowest floor for this elevator

numLeaving int Number of riders leaving elevator

**METHODS**

NAME TYPE PARAMETERS IN PURPOSE

Elevator None maxRiders Use to set maxCapacity

curntFloor Use to set currentFloor

highestFloor Use to set maxFloor

lowestFloor Use to set minFloor

Set numOnBoard = 0

Set destFloor = currentFloor

getNumOnBoard int None Returns numOnBoard

getMaxCapacity int None Returns maxCapacity

getCurrentFloor int None Returns currentFloor

getDestFloor int None Returns destFloor

getMaxFloor int None Returns maxFloor

getMinFloor int None Returns minFloor

loadElevator void num wanting to board Loads elevator with

passengers, but insures

numOnBoard does not

exceed maxCapacity!

unLoadElevator void num wanting off Removes passengers, but no

more than the numOnBoard

moveElevator void floor number to go to Moves elevator to destination

& announces floors being

passed