**Class: Elevator**

**Data**

NAME TYPE DESCRIPTION

capacity int Capacity of the Elevator  
passengers int current number of passengers  
lowestFloor int low end of the floor range  
highestFloor int high end of the floor range  
currentFloor int current location  
destinationFloor int target location when moving

**Methods**

NAME TYPE PARAM DESCRIPTION

Elevator none int, int, int, int Constructor  
getCapacity int none get associated att.  
getPassengers int none “ “  
getLowestFloor int none “ “  
getHighestFloor int none “ “  
getCurrentFloor int none “ “  
getDestinationFloor int none “ “  
loadPassengers void int Adds value to   
 passengers insuring   
 that capacity is not exceeded  
offloadPassengers void int Removes value from passengers insuring that passengers is never assigned a negative value  
changeFloors void int Moves the elevator within the specified floor range