|  |
| --- |
| **BUS** |
| **- BusId: int**  **- capacity: int**  **- stops: string\***  **- NoStudentAssigned: int**  **- noStops: int** |
| **+ Bus()**  **+ Bus(id, cap, stop, noStops)**  **+ Bus(const Bus&)**  **+ ~Bus() + getBusId(): int**  **+ getCapacity(): int**  **+ getStops(): string\***  **+ setNoStops(int)**  **+ getNoStops(): int**  **+ setStops(string\*, int)**  **+ getNoStudentsAssigned(): int + setCapacity(int) + setBusId(int) + printStops()**  **+ AssignStudent(Student\*)** |

M

1

M

|  |
| --- |
| **CUSTOMER** |
| **#StudentId**  **#Name**  **#pickup**  **#drop**  **#bus** |
| **+ Student()**  **+ Student(id, name, paid, pickup, drop)**  **+ getStudentId(): int**  **+ getName(): string**  **+ setName(string)**  **+ getIsPaid(): bool**  **+ setIsPaid(bool)**  **+ getPickup(): string**  **+ getDrop(): string**  **+ setPickup(string)**  **+ setDrop(string)**  **+ getAssignedBus(): Bus\***  **+ setAssignedBus(Bus\*)** |

|  |
| --- |
| **Student** |
| **//Attributes from Customer** |
| **+setIsPaid()//override**  **+printDetails()/override** |

1

|  |
| --- |
| **Transport System** |
| **- Customer: customer\***  **- bus: Bus\***  **- noStudents: int**  **- noBuses: int** |
| **+ TransportSystem()**  **+ printAllStudents()**  **+ printAllBuses()**  **+ addStudent()**  **+ addBus()**  **+ getStudent(): Student\***  **+ getBus(): Bus\***  **+ setBus(Bus\*)**  **+ setStudent(Student\*)** |

|  |
| --- |
| **Teacher** |
| **//Attributes from Customer** |
| **+setIsPaid()//override**  **+printDetails()/override** |