Transportation

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| Transportation |
| - purchasePrice: double  - rentalPrice: double  - averageSpeed: double  - numPassengers: int |
| + Transportation(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + getPurchasePrice(): double  + getRentalPrice(): double  + getAverageSpeed(): double  + getNumPassengers(): int  + setPurchasePrice(purchasePrice: double)  + setRentalPrice(rentalPrice: double)  + setAverageSpeed(averageSpeed: double)  + setNumPassengers(numPassengers: int)  + toString(): String  + get\_payment\_info(num\_passengers: int, rent\_purchase: String): String  + get\_arrival\_info(): String  + getName(): String |

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| Air\_Transportation |
| - airport: String  - departureTime: String  - airline: String  - arrivalTime: String |
| + Air\_Transportation(airport: String, airline: String, departureTime: String, arrivalTime: String, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + getAirport(): String  + getAirline(): String  + getDepartureTime(): String  + getArrivalTime(): String  + setAirport(airport: String): void  + setAirline(airline: String): void  + setDepartureTime(departureTime: String): void  + setArrivalTime(arrivalTime: String): void  + get\_arrival\_info(): String  + getName(): String  + toString(): String |

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| Land\_Transportation |
| - fuelType: String |
| + Land\_Transportation(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, fuelType: String)  + setFuelType(fuelType: String): void  + getFuelType(): String  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Water\_Transportation |
| - dock: String  - loadingTime: String  - marina: String  - departureTime: String |
| + Water\_Transportation(dock: String, loadingTime: String, marina: String, departureTime: String, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + getDock(): String  + getLoadingTime(): String  + getMarina(): String  + getDepartureTime(): String  + setDock(dock: String): void  + setLoadingTime(loadingTime: String): void  + setMarina(marina: String): void  + setDepartureTime(departureTime: String): void  + get\_arrival\_info(): String  + toString(): String  + getName(): String |

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| Car |
| - pickUpLocation: String  - trunkSpace: int  - pickUpTime: String |
| + Car(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, fuelType: String, trunkSpace: int, pickUpLocation: String, pickUpTime: String)  + setPickUpLocation(pickUpLocation: String): void  + setPickUpTime(pickUpTime: String): void  + setTrunkSpace(trunkSpace: int): void  + getTrunkSpace(): int  + getPickUpLocation(): String  + getPickUpTime(): String  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Bus |
| - startBusStop: String  - departureTime: String |
| + Bus(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, fuelType: String, startBusStop: String, departureTime: String)  + setDepartureTime(departureTime: String): void  + setStartBusStop(startBusStop: String): void  + getDepartureTime(): String  + getStartBusStop(): String  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Train |
| - departureStation: String  - departureTime: String |
| + Train(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, fuelType: String, departureStation: String, departureTime: String)  + setDepartureTime(departureTime: String): void  + setDepartureStation(departureStation: String): void  + getDepartureTime(): String  + getDepartureStation(): String  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Bike |
| - pickupLocation: String  - pickupTime: String |
| + Bike(purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, fuelType: String, pickupLocation: String, pickupTime: String)  + setPickupLocation(pickupLocation: String): void  + setPickupTime(pickupTime: String): void  + getPickupLocation(): String  + getPickupTime(): String  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Plane |
| - terminal: String  - carryOnLimit: int  - maxLuggageWeight: double |
| + Plane(terminal: String, carryOnLimit: int, maxLuggageWeight: double, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, airline: String, airport: String, departureTime: String, arrivalTime: String)  + setTerminal(terminal: String): void  + setCarryOnLimit(carryOnLimit: int): void  + setMaxLuggageWeight(maxLuggageWeight: double): void  + getTerminal(): String  + getCarryOnLimit(): int  + getMaxLuggageWeight(): double  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Helicopter |
| - weight\_limit: int |
| + Heli(weight\_limit: int, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, airline: String, airport: String, departureTime: String, arrivalTime: String)  + setWeight\_limit(weight\_limit: int): void  + getWeight\_limit(): int  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Dirigible |
| - volume: int |
| + Dirigible(volume: int, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, airline: String, airport: String, departureTime: String, arrivalTime: String)  + setVolume(volume: int): void  + getVolume(): int  + toString(): String  + get\_arrival\_info(): String  + getName(): String |

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| Hot\_Air\_Balloon |
| - max\_altitude: int |
| + Hot\_Air\_Balloon(max\_altitude: int, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int, airline: String, airport: String, departureTime: String, arrivalTime: String)  + setMax\_altitude(max\_altitude: int): void  + getMax\_altitude(): int  + toString(): String  + getName(): String |

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| Boat |
| - weight\_limit: int |
| + Boat(weight\_limit: int, dock: String, loadingTime: String, marina: String, departureTime: String, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + setWeight\_limit(weight\_limit: int): void  + getWeight\_limit(): int  + toString(): String  + getName(): String |

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| Submarine |
| - depth: int |
| + Submarine(depth: int, dock: String, loadingTime: String, marina: String, departureTime: String, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + setDepth(depth: int): void  + getDepth(): int  + toString(): String  + getName(): String |

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| Ship |
| - hull\_size: String |
| + Ship(hull\_size: String, dock: String, loadingTime: String, marina: String, departureTime: String, purchasePrice: double, rentalPrice: double, averageSpeed: double, numPassengers: int)  + setHull\_size(hull\_size: String): void  + getHull\_size(): String  + toString(): String  + getName(): String |