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| Class BasicInfo |
| * name: string * address: string * phoneNum: string |
| * getName(): string * getAddress(): string * getPhoneNum(): string * setName(string a): void * setAddress(string a): void * setPhoneNum(string a):void |

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| Class Seat : public BasicInfo |
| * seatNumber : int * seatAvail: bool |
| * getSeatNumber(): int * getSeatAvail(): bool * setSeatNumber(int a): void * setSeatAvail(bool a): void * toString: virtual string |

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| Class Flight |
| * SEATS\_NUM: int = 10 * flightSeats[SEATS\_NUM] : Seat * flightDestination: string |
| * seatsAvailible: string * getFlightDestination(): string * setFlightDestination(string a): void |

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| Class Passenger: public BasicInfo |
| * mySeat: seat * myFlight: flight |
| * Passenger() * Passenger(string name, string address, string phoneNumber, string seat, string flight) * getPreference(): Seat * setPreference(Seat a) : void * buyTicket(Flight a): bool * toString: virtual string |

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| Class Attendant |
| * ROUTES\_NUM: int * Routes[ROUTE\_NUM]: Flight * ticketSales: int |
| * Attendant() * Attendant(int a) * getTicketSales(): string * setTicketSales(int): void * addTicketSale(): void * cancelTicketSale(): void * getRoutes(): string * reserveSeat(Passenger a, Flight, b, Seat c): void * cancelSeat(Passenger a, Flight b, Seat c): void * displayMyFlight(Flight a): string * displayNextCustomer(): string * displayAllCustomer(): string |