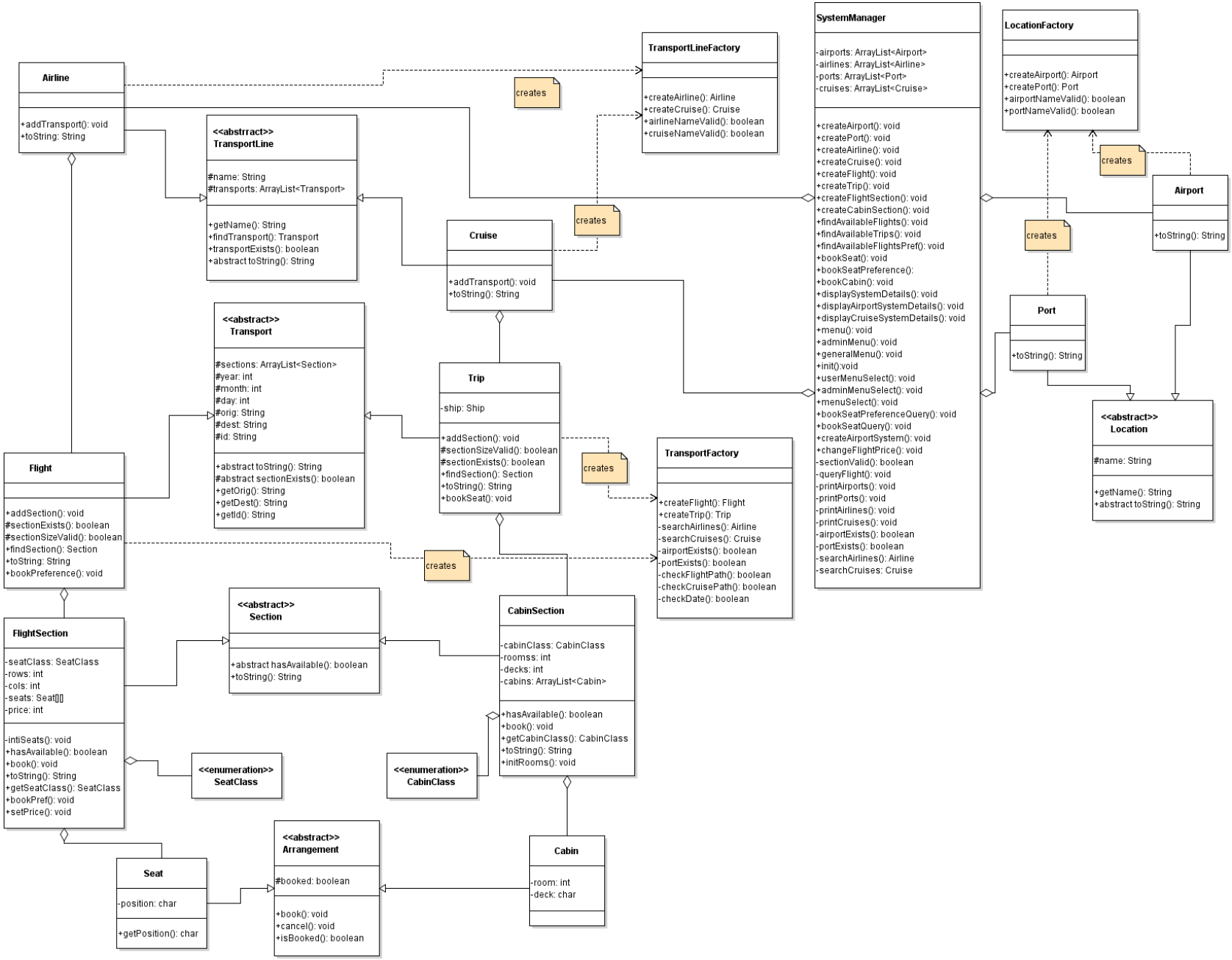
Airline
+addTransport(): void
+toString: String
TransportLineFactory
+createAirline(): Airline
+createCruise(): Cruise
+airlineNameValid(): boolean
+cruiseNameValid(): boolean
creates
SystemManager
-airports: ArrayList<Airport>
-airlines: ArrayList<Airline>
-ports: ArrayList<Port>
-cruises: ArrayList<Cruise>
+createAirport(): void
+createPort(): void
+createAirline(): void
+createCruise(): void
+createFlight(): void
+createTrip(): void
+createFlightSection(): void
+createCabinSection(): void
+findAvailableFlights(): void
+findAvailableTrips(): void
+findAvailableFlightsPref(): void
+bookSeat(): void
+bookSeatPreference():
+bookCabin(): void
+displaySystemDetails(): void
+displayAirportSystemDetails(): void
+displayCruiseSystemDetails(): void
+menu(): void
+adminMenu(): void
+generalMenu(): void
+init():void
+userMenuSelect(): void
+adminMenuSelect(): void
+menuSelect(): void
+bookSeatPreferenceQuery(): void
+bookSeatQuery(): void
+createAirportSystem(): void
+changeFlightPrice(): void
-sectionValid(): boolean
-queryFlight(): void
-printAirports(): void
-printPorts(): void
-printAirlines(): void
-printCruises(): void
-airportExists(): boolean
-portExists(): boolean
-searchAirlines(): Airline
-searchCruises: Cruise
LocationFactory
+createAirport(): Airport
+createPort(): Port
+airportNameValid(): boolean
+portNameValid(): boolean
creates
Airport
+toString(): String
Port
+toString(): String
<<abstrract>>
TransportLine
#name: String
#transports: ArrayList<Transport>
+getName(): String
+findTransport(): Transport
+transportExists(): boolean
+abstract toString(): String
Cruise
+addTransport(): void
+toString(): String
<<abstract>>
Transport
#sections: ArrayList<Section>
#year: int
#month: int
#day: int
#orig: String
#dest: String
#id: String
+abstract toString(): String
#abstract sectionExists(): boolean
+getOrig(): String
+getDest(): String
+getId(): String
Trip
-ship: Ship
+addSection(): void
#sectionSizeValid(): boolean
#sectionExists(): boolean
+findSection(): Section
+toString(): String
+bookSeat(): void
TransportFactory
+createFlight(): Flight
+createTrip(): Trip
-searchAirlines(): Airline
-searchCruises(): Cruise
-airportExists(): boolean
-portExists(): boolean
-checkFlightPath(): boolean
-checkCruisePath(): boolean
-checkDate(): boolean
<<abstract>>
Location
#name: String
+getName(): String
+abstract toString(): String
Flight
+addSection(): void
#sectionExists(): boolean
#sectionSizeValid(): boolean
+findSection(): Section
+toString: String
+bookPreference(): void
<<abstract>>
Section
+abstract hasAvailable(): boolean
+toString(): String
CabinSection
-cabinClass: CabinClass
-roomss: int
-decks: int
-cabins: ArrayList<Cabin>
+hasAvailable(): boolean
+book(): void
+getCabinClass(): CabinClass
+toString(): String
+initRooms(): void
FlightSection
-seatClass: SeatClass
-rows: int
-cols: int
-seats: Seat[][]
-price: int
-intiSeats(): void
+hasAvailable(): boolean
+book(): void
+toString(): String
+getSeatClass(): SeatClass
+bookPref(): void
+setPrice(): void
<<enumeration>>
SeatClass
<<enumeration>>
CabinClass
<<abstract>>
Arrangement
#booked: boolean
+book(): void
+cancel(): void
+isBooked(): boolean
Cabin
-room: int
-deck: char
Seat
-position: char
+getPosition(): char