ElectronicTicket (class)
- ElectronicTicket(TicketBuilder)
- hashCode() : int
- sendToPhone() : void
- toString() : String
- sourceLocation : Source
- travelCategory : TravelClass
- travelTime : Date
- voyager : Voyager
- seat : WaggonSeat
- ticketId : int
- destinationLocation : Destination

TicketRepository (enum)
- instance
- numberOfTickets : int
- repository : Map<Integer, ElectronicTicket>
- registerTicket(ElectronicTicket) : boolean
- isTicketRegistered(ElectronicTicket) : boolean
- isTicketIdRegistered(int) : boolean
- getTicket(int) : ElectronicTicket
- getTicket(Voyager) : ElectronicTicket
- hasTicketBought(Voyager) : boolean

WaggonSeat (class)
- WaggonSeat(int)
- WaggonSeat(SeatLocation)
- toString() : String
- location : SeatLocation
- seatId : int

TravelClass (enum)
- FIRST
- SECOND

Waggon (class)
- seats : List<WaggonSeat>
- Waggon()
- totalNumberOfSeats : int
- aisle : Aisle
- rightSeats : List<WaggonSeat>
- leftSeats : List<WaggonSeat>

Destination (enum)
- Munich
- Stuttgart
- Dresden
- Heidelberg

Source (enum)
- Cologne
- Berlin
- Hamburg

SeatLocation (enum)
- left
- right

Application (class)
- train : Train
- conductor : IntelligentConductor
- Application()
- constructTrain() : void
- constructConductor() : void
- execute() : void
- main(String[]) : void

IRFIDChip (interface)
- hasValidTicket() : boolean
- readTicketId() : int
- ticketId : int

EUChip (class)
- hasValidTicket() : boolean
- readTicketId() : int
- toString() : String
- ticketId : int

Aisle (class)
- Aisle()
- Aisle(double)
- conductorFrequency : double
- height : int

MPhone (class)
- MPhone()
- MPhone(IRFIDChip)
- receiveTicketId(int) : void
- toString() : String
- chip : IRFIDChip

USChip (class)
- hasValidTicketUS() : boolean
- readTicketIdUS() : int
- toString() : String
- ticketId : int

USChipAdapter (class)
- hasValidTicket() : boolean
- readTicketId() : int
- toString() : String
- ticketId : int

Train (class)
- instance : Train
- Train()
- getInstance() : Train
- waggon : Waggon

IntelligentConductor (class)
- phoneChips : List<IRFIDChip>
- IntelligentConductor()
- init() : void
- checkTickets() : void
- printTickets() : void

TicketBuilder (class)
- ticketId : int
- voyager : Voyager
- travelTime : Date
- travelCategory : TravelClass
- seat : WaggonSeat
- sourceLocation : Source
- destinationLocation : Destination
- build() : ElectronicTicket
- sourceLocation : Source
- travelCategory : TravelClass
- travelTime : Date
- voyager : Voyager
- seat : WaggonSeat
- destinationLocation : Destination

IBuilder (interface) <T>
- build() : T

Configuration (enum)
- instance
- userDirectory : String
- fileSeparator : String
- lineSeparator : String
- logFile : String
- mersenneTwister : MersenneTwisterFast

TicketProducer (class)
- builder : TicketBuilder
- train : Train
- TicketProducer()
- produceTickets() : void
- buildTicketsForEachSeat(List<WaggonSeat>, Voyager, TravelClass) : void
- buildTicket(Voyager, Date, TravelClass, WaggonSeat, Source, Destination) : void
- randomEnumConstant(Class<E>) : E

Voyager (class)
- Voyager()
- Voyager(String)
- Voyager(Voyager)
- buyTicket() : void
- toString() : String
- name : String
- fingerprint : String
- phone : MPhone

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