

OCL for creation of a reservation

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context Reservation
inv IdFormat:
    reservationId.size() = 9 and
    reservationId.substring(1,3) = 'RES'

inv TravelerNameValid:
    travelerName <> "" and travelerName.size() > 0

inv AgeValid:
    age > 0 and age <> null and age <> ''

inv IdentificationValid:
    identificationNumber <> '' and identificationNumber <> null

inv TicketNotNull:
    ticket <> null

inv TicketPriceMatchesRoutes:
    ticket.price =
        routes->collect(r: Route |
            if ticket.isFirstClass
                then r.firstClassTicket
                else r.secondClassTicket
            endif
        )->sum()
```