System Communication Flow
TCP

Client	Middleware	RM (Hotel, Car, Flight)	Customer RM

Client → Middleware: newcar,1,mtl,1,90

Middleware → RM (Hotel, Car, Flight): newcar,1,mtl,1,90

RM (Hotel, Car, Flight) ⇠ Middleware: ok

Middleware ⇠ Client: ok

Client → Middleware: newCustomer,1,42

Middleware → Customer RM: newCustomer,1,42

Customer RM ⇠ Middleware: ok

Middleware ⇠ Client: ok

Client → Middleware: reserveCar,1,42,mtl

Middleware → Customer RM: validateCustomer(42)

Customer RM ⇠ Middleware: validationResult

Middleware → RM (Hotel, Car, Flight): reserveCar,1,42,mtl

RM (Hotel, Car, Flight) ⇠ Middleware: Reservation(car-mtl,42)

Middleware → Customer RM: Reservation(car-mtl,42)

Customer RM ⇠ Middleware: ok

Middleware ⇠ Client: ok