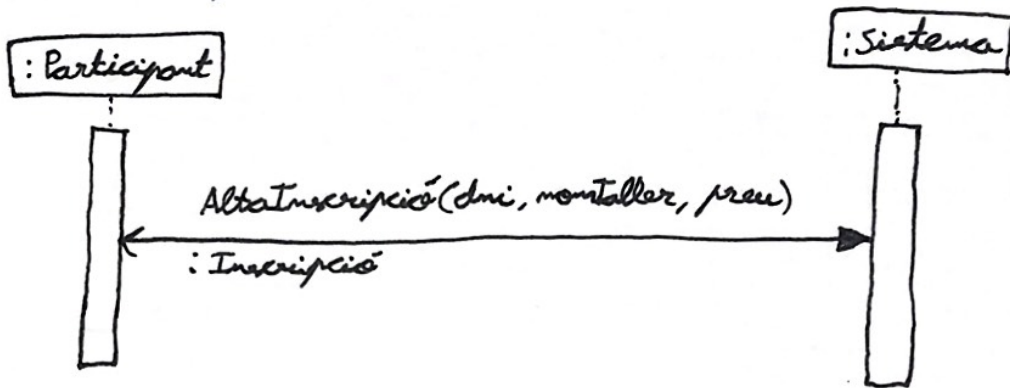
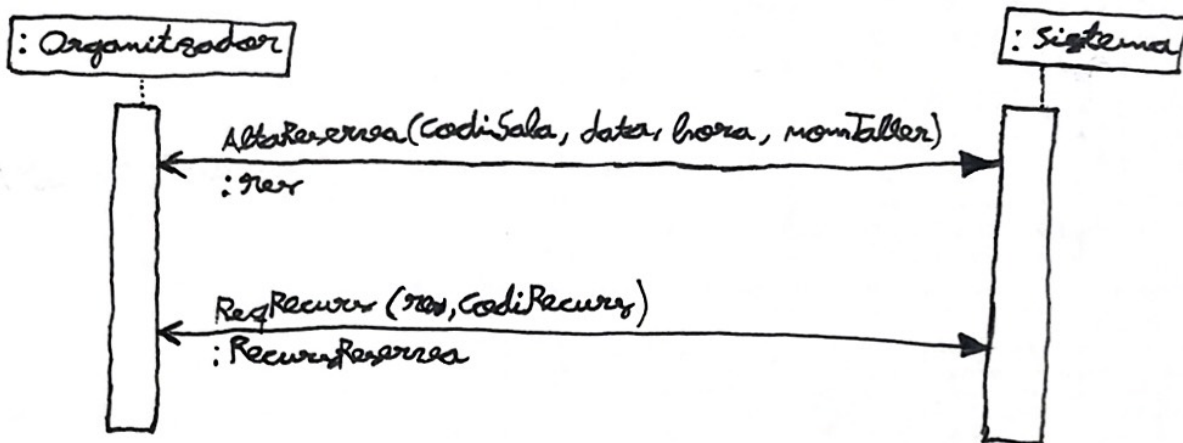


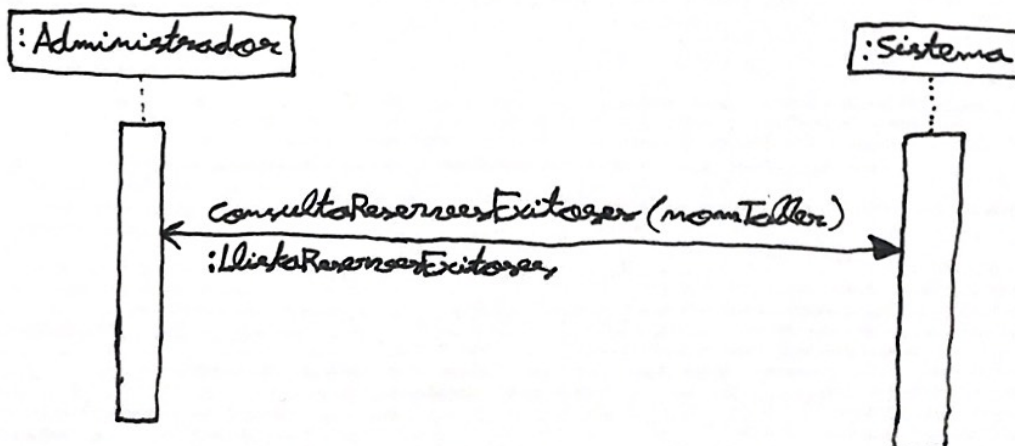
Alta d'Inscripció



Alta de Reserva



Consulta Reserves Exitoses



```

1  --Alta d'Inscripció
2  context Sistema::AltaInscripcio(dni: String, nomTaller: String, price: TPreu):Inscripcio
3  pre: Participant.allInstances() -> (p | p.dni = dni) and
4  |   | Taller.allInstances() -> (t | t.nom = nomTaller)
5  post: Inscripcio.allInstances() -> Exists(i | i.ocIsNew() and
6  |   | i.Participant.dni = dni and
7  |   | i.Taller.nom = nomTaller and
8  |   | if i.tipusIns == InscripcioDePagament then
9  |   | i.avaluacioPreu = price and i.pagada = false endif
10 |   | and result = i)

```

```

12 --Alta de Reserva
13 context Sistema::AltaReserva(codiSala: String, data: Date, hora: Time, nomTaller: String):res
14 pre: Sala.allInstances() -> Exists(s | s.codi = codiSala)
15 |   | DataHora.allInstances() -> Exists(dh | dh.data = data and dh.hora = hora)
16 |   | Taller.allInstances() -> Exists(t | t.nom = nomTaller)
17 post: Reserva.allInstances() -> Exists(r | r.ocIsNew() and
18 |   | r.Sala.codi = codiSala and
19 |   | r.Taller.nom = nomTaller and
20 |   | r.DataHora.data = data and
21 |   | r.DataHora.hora = hora and
22 |   | result = r)
23
24 context Sistema::ReqRecurs(res: Reserva, codiRecurs: String):RecursReserva
25 pre: Reserva.allInstances() -> Exists(r | r = res)
26 |   | Recurs.allInstances() -> Exists(rec | rec.codi = codiRecurs)
27 post: Reserva.allInstances() -> Exists(r | r.ocIsNew() and
28 |   | r.Recurs.codi -> includes(codiRecurs) and
29 |   | r = RecursReserva and
30 |   | result = r)
31

```

```

32 --Consulta Reserves Exitoses
33 context Sistema::consultaReservesExitoses(nomTaller: String):
34 |   | Set(tupletype(codiSala: String, data: Date, hora: Time, correus: String))LlistaReservesExitoses
35 pre: Taller.allInstances() -> Exists(t | t.nom = nomTaller) and
36 |   | Inscripcio.allInstances() -> select(i | if i.tipusIns = "InscripcioDePagament" then
37 |   |   | i.ocIsType(InscripcioDePagament).pagada = true and
38 |   |   | i.ocIsType(InscripcioDePagament).avaluacioPreu = TPreu::barat endif) -> size() > 3
39 body: let resultat: Set(Reserva) = Reserva.allInstances() -> select(r | r.Taller.nom = nomTaller and
40 |   |   | r.Valoracio -> select(v | v.puntuacio = TPuntuacio:5))
41 |   |   | -> size() > 5
42 in result = resultat -> collect(r | Tuple {
43 |   |   | codiSala = r.Sala.codi,
44 |   |   | data = r.DataHora.data,
45 |   |   | hora = r.DataHora.hora,
46 |   |   | correus = r.Taller.Participant.correuE
47 |   |   | })

```