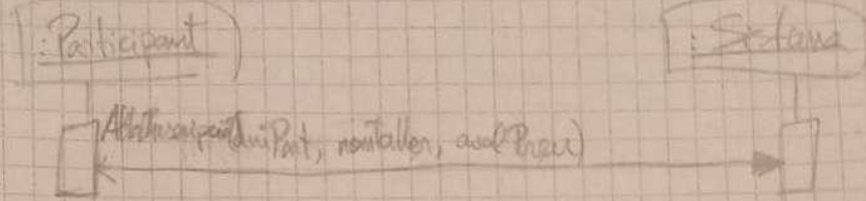
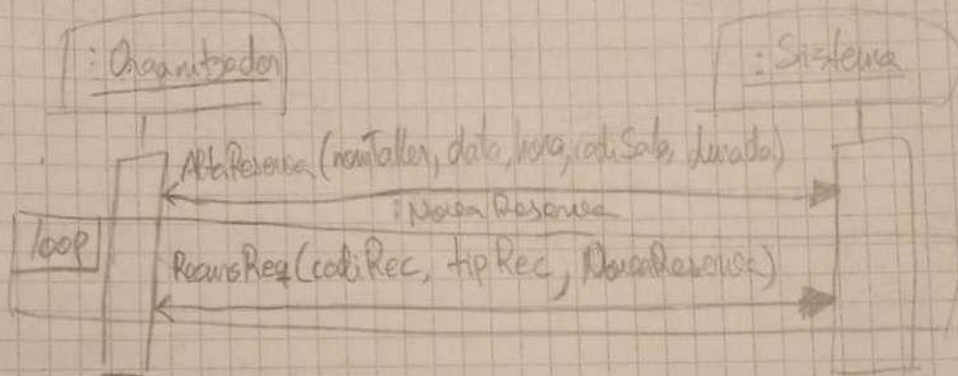


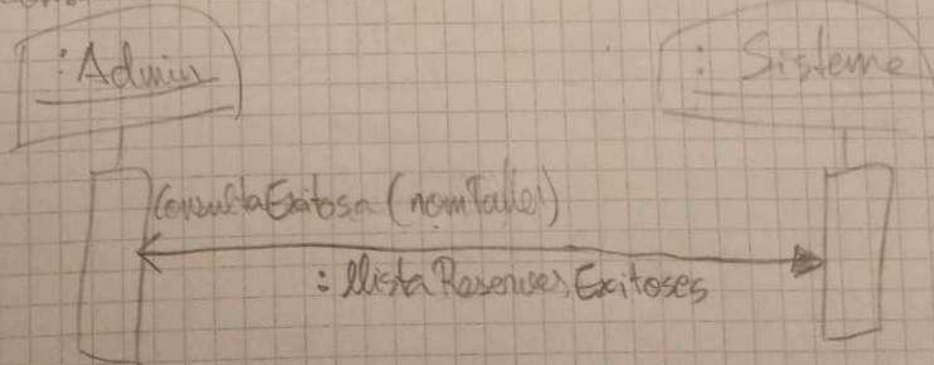
### Alta d'Inscripció



### Alta de Reserves



### Consulta Reserves Exitoses



```
1  ∨ context:
2  ∨   Sistema::AltaInscripcio (
3      dniPart:String, nomTaller:String, avalPreu:TPreu
4  )
5
6  ∨ pre:
7      Participant.AllInstances()->exists(p | p.dni = dniPart) and
8      Taller.AllInstances()->exists(t | t.nom = nomTaller)
9
10 ∨ post:
11 ∨   Inscripcio.AllInstances()->exists(
12       i | i.oclIsNew() and
13       i.Participant.dni = dniPart and
14       i.Taller.nom = nomTaller and
15
16       if i.Taller.tipusTaller = TallerDePagament then
17           i.tipusIns = InscripcioDePagament and
18           i.avaluacioPreu = avalPreu and
19           i.oclAsType(InscripcioDePagament).pagada = false
20       endif
21   )
```

```

1  ∨ context:
2  ∨   Sistema::AltaReserva (
3      |   nomTaller:String, data:Date, hora:Hora, codiSala:String, durada:Integer
4      ): NovaReserva
5
6  ∨ pre:
7      Sala.AllInstances()->exists(s | s.codi = codiSala) and
8      Taller.AllInstances()->exists(t | t.nom = nomTaller) and
9      DataHora.AllInstances()->exists(dh | dh.data = data and dh.hora = hora)
10
11 ∨ post:
12 ∨   Reserva.AllInstances()->exists(
13       |   r | r.oclIsNew() and
14       |   r.codi = codiSala and
15       |   r.nom = nomTaller and
16       |   r.data = data and r.hora = hora and
17       |   r.durada = durada
18       |   and result = r
19   )
20
21 ∨ context:
22 ∨   Sistema::RecursReq (
23       |   codiRec:String, tipRec:String, NovaReserva:Reserva
24   )
25
26 ∨ pre:
27     // acabem de crear la nova reserva, així que ja garantim que existeix
28
29 ∨ post:
30 ∨   Recurs.AllInstances()->exists(
31       |   r | r.codi = codiRec and
32       |   r.Reserva = NovaReserva
33   )
34 ∨   and if not Recurs.AllInstances()@pre -> exists(r | r.codi = codiRec) then
35 ∨       Recurs.AllInstances()->exists(
36         |   r2 | r2.oclIsNew() and
37         |   r2.codi = codiRec and
38         |   r2.tipusRec = tipRec and
39         |   r2.Reserva = NovaReserva
40       )
41   endif
42

```

```

1  √ context:
2  √     Sistema::ConsultaExitosa (
3      nomTaller:String
4  √ ): set(
5  √     tupletype(
6      codiSala:String,
7      data:Date,
8      hora:Hora,
9      correu:set(String)
10     )
11 )
12 llistaReservesExitoses
13
14 √ pre:
15     Taller.AllInstances()->exists(t | t.nom = nomTaller) and
16 √     Inscripcio.AllInstances()->count(
17     i | i.tipusIns = InscripcioDePagament and
18     i.pagada = true and
19     i.avaluacioPreu = TPreu::barat
20     ) >= 3
21
22 √ body:
23 √     result = Reserva.AllInstances() -> select(
24 √         r | r.count(
25 √             Valoracio.allInstances->select(
26             v | v.puntuacio = TPuntuacio::5 and v.reserva = r) and
27             r.Taller.nom = nomTaller) ) > 5
28 √     ) -> collect (r2 | tuple {
29         codiSala = r.Sala.codi,
30         data = r.DataHora.data,
31         hora = r.DataHora.hora,
32         correu = Participant.allInstances()-> select(p | p.Taller.nom =
33         nomTaller) -> collect(p2 | correu = p2.correuE)
34     }
35 )

```

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