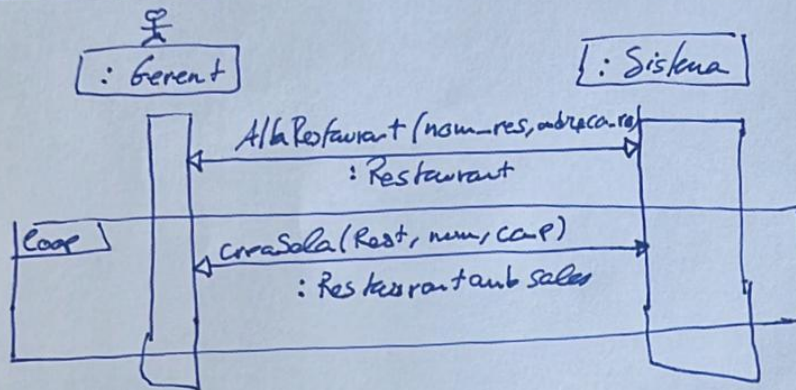
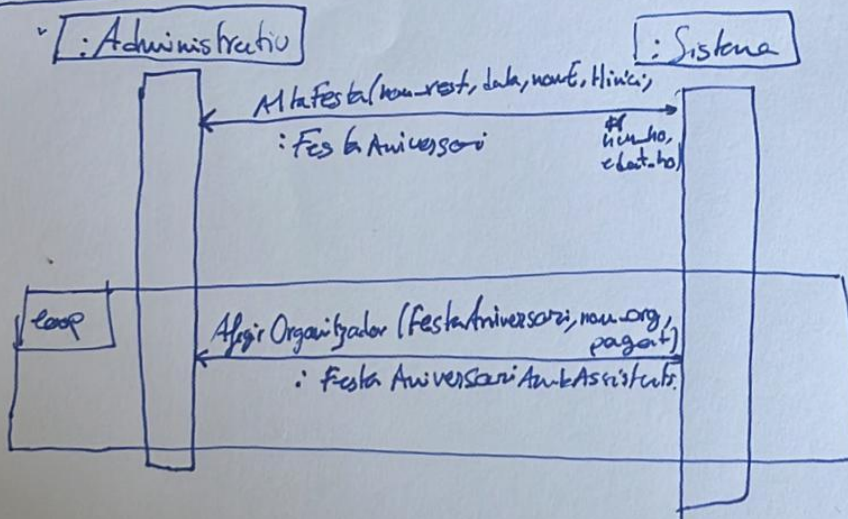


Alta Restaurant

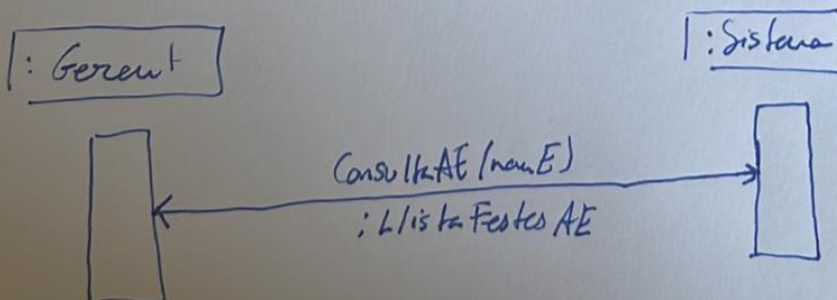


~~Consulta~~

Alta Festa d'Aniversari



Consulta Aniversaris Estrangers



Alta Restaurant

Context:

Sistema::altaRestaurant(nom_res : string adreça_res : string):Restaurant

Pre:

Restaurant.allInstances() -> size() < 100

Restaurant.allInstances() -> forAll() (r|r.sala -> size() <= 5)

Post:

Restaurant.allInstances() -> Exists (r| r.nom = nomR and r.adreça = adr and r.ocllsNew() and result = r).

Crear Sala

Context:

Sistema::afegirSala(num :int cap : int Restaurant: Restaurant):RestaurantAmbSales

Pre:

Post:

Sala.allInstances() -> Exists (s|s.ocllsNew() and s.numero = num and s.capacitat = cap and s.Restaurant = Restaurant):RestaurantAmbSales

Alta Festa Aniversari

Context:

Sistema::AltaFesta(nom_res : string, data : Date, nomE : string, horalnici : time, edat_ho: natural, nom_ho : string):FestaAniversari

Pre:

Empresa.allInstances() -> Exists (e|e.nom = nomE) and Restaurant.allInstances() -> Exists (r|r.nom = nom_res) and Persona.allInstances() -> Exists (p|p.nom = nom_ho)

Post:

Aniversari.allInstances() -> Exists (a|a.ocllsNew() and a.edat = edat_ho and a.homenatjada.nom = edat_ho and a.horalnici = horalnici and a.Empresa.nom = nomE and a.Data.data = data and a.Restaurant.nom = nom_res and a.TipusDeFesta.nom = "Aniversari") and Assistent.allInstances() -> Exists (ass|ass.ocllsNew() and ass.festa = a and ass.persona.nom = nom_ho and ass.pagat) and result = a).

Afegir Organitzador

Context:

Sistema::AfegirOrganitzador (FestaAniversari : Aniversari nom_org:string):FestaAniversariAmbAssistents

Pre:

Persona.allInstances() -> Exists (p|p.nom = nom_org)

Post:

a.organitzador.nom -> Includes(nom_org) and Assistent.allInstances() -> Exists (ass|ass.ocllsNew() and ass.festa = a and ass.persona.nom = nom_org and ass.pagat)

Consulta Aniversaris Estranys

Context:

Sistema::ConsultaAE(nomE : string) :LlistaFestesAE = set (TupleType(nom_hom :string
noms_orgs : set(string)))

Pre:

Empresa.allInstances() -> Select (e|e.nom = nomE).TipusDeFesta -> Select (tf|tf.festa ->
size() > 0)

Body:

Aniversari.allInstances() -> Select (a|a.Empresa.nom = nomE and a.Assistent -> size() > 30
and a.participant <> a.homenatjat) -> collect(a | Tuple {nom_hom = a.homenatjada.nom,
noms_orgs = a.organitzador.nom})