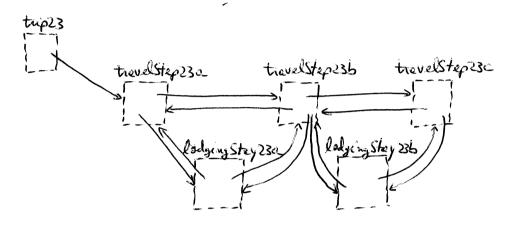
## Representare orientate object - Un exemple

O bosé de curvatinte en codre porte si vasuta en a socie de calcul simbolie, constrongende între objecte sind propagate în KB de procederile atasete.

## Exemple de planificare a calaterillar

Incepem en o schita e structurini unei colitorii



Aven 2 cedre principale Trip si TrevelStep Un Trip ve avec a secventà de TrevelStep. Un TrevelStep se termina de obsicei intr-un LodgingStey, en exceptio a 2 etepe percurse in accessi zi son a etepei finale din calitarie.

Lodging Stey slot-un oniving Travel Step deporting Travel Step

TrevelStep \_\_\_\_ originLodging Stey destructionlodging Stey

Cadul Trip poste anote ontil:

(Trip

<: First Step TrevelStep >

<: Treveler Person >

<: Begin Date Date >

<: End Date Date >

<: Total Cost Price >

---

(trip 23 <INSTANCE-OF Trip> <IFINTSTEP trevelstep 23a <ITREVELOR devid F> <I Begin Date 23/11/18> <I End Date 25/11/18> <I Total Cot 3400 RON>

~-~)

```
Cadule TravelStep ni Lodging Stay Emport à serie de propriétation
pe con le grupon în cadrul mai general TripPort
      (TripPort
           < Begin Date Date >
           2 End Date Date >
           <: Cost Price>
           <= Peyment Method FormOfPeyement>
     (Lodging Stey
< is-A Tripfort>
            < Place City>
           < : Lodging Place Ladging Place >
           < : Anniving Trevel Step Trevel Step >
           < : Deporting Travel Step Travel Steps
          ر مد در
    (Treval Step
         <: 15-A TripPort>
         <: Origin City>
        < : Destination City>
        < : Origin Lodging Stey Lodging Stey >
        Z: Dostination Ladging Stey Ladging Stey >
        <: Means FormOfTransportation>
        < : DepartmeTime Time >
        <: AmivolTime Time>
        <= NextStep TravelStep>
        < = Previous Step Trevel Step>
 Filler-e implicate
       (Trevel Step
             < : Means on plane > ...)
       (TripPort
            = : Peyment Method viseCord > ...)
      (Travel Step
          <- Peyment Mothod mester Cord > ...)
```

```
Notatie - deca x este un coden individual si y este a referenta cotre un slot, xy este filler-ul ocelui slot din coclui.
         -SELF - referente catre cochel cuent proceset.
Filler-ul slot-ulu Origin din Trevel Step poete fi otribuit/caluelest
         (Trevel Step
                            [ IF -WEEDED
               < Origin
                                 lif no SELF: Previous Step then otopeni;
                                        whe SELF: Previous Step: Destinations
                           ] > ~..)
  (Trip

<: TotalCost [if-NEEDED
                          of result = 0
                            x = SELF: First Step;
                               if exists x Next Step than
                                      { result = result + x: (ort
                                        if exists x: Destination ladging Stay than
                                         { nexult < result + x : Déstinction lodging Stey : Cost;
                                       x = x: Next Step;
                                 else return result + x: Cost;
                       ]> --- )
 (TrevelStep
       < Next Step [IF-ADDED
                        I'll SELF- End Date + SELF : Next Step : Begin Date then
                                } SELF: Destination Lodging Stay =
                                 SELF: Next Step: Origin Lodging Stey =
                                     new Lodging Stay
                                        with : Begin Date = SELF: End Date;
                                       with : End Date = SELF : Next Step : Begin Date
                                       with: Arriving TrevelStep = SELF; Next Step.
```

] ]>---)

```
(Ladging Stay
                [IF-NEEDED
       < : Place
                     ISELF: Amining Trevel Step: Bestination y
                 ]>---)
 Pentre o calatorie anume (trip23) cream un codre individual
     (trip 23
         LINSTANCE - OF Trip>
         <: FirstStep trevelStep 250 >)
si un cadru
               (travelStep 23e
                      <: INSTANCE - OF Travel Step >
                     < : Destination doctmend >
                     <= BeyinDate 23/11/18>
                     < End Date 23/11/18>)
Creom un el doiler ceden (trevel Step 23 6
                                <: INSTANCE-OF TrevelStep>
                                2: Destination otopenis
                                <: Bayen Dite 25/11/18>
                               < End Date 25/11/18>
                               < : Previous Step trevel Step 280>)
 tup23
i : Find Step
                                                           thevelStep 23 L
                troudStep 23a
                                           : Begin Date 25/11/18
 : Begin Date 23/11/18
                                           : End Date 25/11/18
            23/11/12
 - End Dote
                                           : Meens
  Meens
                                           : Origen
  . Origin
                                           : Destination otopomi
  ; Destriction dortmend
                                           : Next Step
  : Next Step
                                            : PreviousStep travelStep180
  : Previous Step
                                            · (at
                                            : OriginLadging Stay
 : Origin Ladging Stey
  : Destination Lodging Stey
                                            · Destination Lodging Stey
```

Pentin e Troheia initializarea trabanic co travel Step 180: Next Step = travel Step 186

## (Travel Step

2- Previous Step [IF-ADDED

| SELF: Previous Step : Next Step = SELF; &

Prin accerta atubuire se execute procedure IF-ADDED atenta slot-ului "NextStep

(ladging Stay 230\_

ZINSTANCE - OF Lodging Stey >

< : Begin Dete 23/11/18>

2: End Date 25/11/18>

: Begin Date 23/11/18

: End Date 25/11/18

: Cont

: Place dortmend IF-NEEDED

IF-ADDED

: NextStep 1

<. Aming Trevel Step trevel Step 230 >

< Deporting Travel Step travel Step 236>)

do ca este ceruit, slot-ul : Place ve ever filler-ul dormind prin procidere estesato. IF-NEEDED.

trip 23 Fint Step 1 travalStep 236 trovelStep23a : Begin Date 23/11/12 Begunde 25/11/18 End Date 25/11/18 : End Date 23/11/18 : Means einplane-mosterine Meens cirplone-mostarihe 1: Origin doctmend - IF-NEEDER otapeni iF-NEEDED ", Origin 1: Dadination otopani Distinction doctmind IF -ADDED >1: Next Step : Next Step travel Step 136 -: Previous Step + : Previous Step trevelStepBe : Previous Step - (ort Cost -: OriginLodging Stey : Origin Lodging Stey : Détination Lodging Stay-: DestinationLodging Stey ! : Cost : Amiving Trevel Step travel Step 23e Departing Trevel Step trevel Step 23 b.

Lodging Ster 23 a

