Travlendar+ Class Diagram

User
- email :String
- password :String
- actualPosition :Place

Calendar
+ addAppointment () :void

Alert
- time :Time
- date :Date
+ edit () :void
+ delete () :void

Date
- day :String
- date :int
- month :int
- year :int

Appointment
- place :Place
- date :Date
- time :Time
- duration :Time
- edit () :void
- delete () :void
- addAlert () :void

Time
- hour :int
- minutes :int

DailySchedule

Travel
- placeOfDeparture :Place
- placeOfArrival :Place
- extimatedTime :Time

Movement
- placeOfDeparture :Place
- placeOfArrival :Place
- extimatedTime :Time
- transportMean :TransportMean
- timeOfDeparture :Time
- alternatives [] :Movement
+ seeAlternatives () :void

Place
- latitude :float
- longitude :float
- name :String
- address :String

Il movement è lo spostamento atomico con un singolo mezzo di trasporto, il travel è l'insieme di movements che ti consente di raggiungere il tuo meeting. EXTIMATED TIME (travel) = SUM i (EXTIMATED TIME (movement i))

1

0.. *

0..1

time

date

time

duration 0..1

time

timeOfDeparture

extimatedTime

extimatedTime

1

1

1..*

1..*

alternatives 0..*

placeOfDeparture 1

placeOfArrival 1

placeOfDeparture 1

placeOfArrival 1

place