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@ version 1.3
    since 10
         <<enumeration>>
            AnimalTupe
                                                            Schedule Overflow Exception
          COYOTE (19,10,5,5),
          FOX (0,5,5,5),
                                                          +scheduleOverflowException
          PORCUPINE (19,0,5,10),
                                     «uses»
                                                                    (message: string)
          BEAVER(8,0,5,5),
          RACCOON( 0, 0, 5, 5)
          KITS (0,0,0,30)
         -FEED_START_TIME : int-
         - PREP-DURATION : int
         -FEED DURATION : int
         -CLEAN-DURATION: Int.
         +AnimalType(feedStartTime:
          int, preptime: int,
          feed Duration int,
                                                                            Schedule
          cleanDuration : int)
                                                                           animalsArray: ArrayList < Animal >
         + getFeedStartTime(): int
         + getPrepDuration(): int
                                                                          -schedule: Treatments[][]=new
         +act Feed Duration(): int
                                                                            Treatments [24][12]
         +getCleanDuration():int
                                                                          -backupSchedule: Treatments [][] = new
                                                                            Treatments[24][12];
        Treatments
                                                                          -sortTreatments (treatments:
    -treatmentID: int
                                                                            ArrayList<Treatments>:ArrayList
      animaliD: int
                                                                            <Treatments >
    - start Hour: int
                                                                          _aetAnimalFromTreatment(treat:
                                                                            treatment): Animal
    -description: string
                                                                          -addToBackUpSchedule(treatment:
    -duration: int
                                                             44hrows > >
                                                                          Treatments)
     -maxwindow:int
                                                                          addToSchedule (treatment: Treatments)
      setupTime : int
                                                            <<+hrows>>
                                                                          scatterSetupTimes (animalType:
    † Treatments (treatment ID:
                                                     1
                                                                            AnimalType)
     int, animaliD: int, start Hour:
                                                                          -handleTreatmentSetupTimes()
     int, description: String,
                                                                          - writeBackup(hour:int)
     duration: int, maxwindow: int)
                                                                            schedulestring string) string
    treatments (treatment: int,
    startHour: int, description: string,
                                                                          -countDuplicateTreatments():
    duration: int, maxwindow: int,
                                                                            HashMap< Treatments, integer >
     setupTime : int
                                                                          - writeschedule Txt (schedule String :
    † getTreatmentID(): int
                                                                              string)
    tgetAnimalID(): int
                                                                           +Schedule (animals: ArrayList< Animal>
     tgetStartHour(): int
    +getDescription(): String
                                                                           tschedule (animals: ArrayList< Animal>,
     + aet Duration (): int
                                                                            treatments: ArrayList < Treatments >
    taetHaxWindow(): int
                                                                          t add Treatments (treatments: ArrayList
     + getsetupTime(): int
                                                                             <treatments>
               Anımal
                                                                           getAnimalsArray(): ArrayList < Animal>
              -ID: int
              -NICKNAME String
                                                                          +gersortedTreatments(): ArrayList
              -SPECIES : AnimalType
                                                                              <Treatments>
              -animalTreatments
                                                          <<throws>>
                                                                          +createSchedule()
               ArrayList < Treatments > =
                 new ArmyList < Treatments > ();
                                                                         +getBackupHours(): ArrayList
              + Animal (id:int, name: String,
                                                                               <integer>
                     species: String)
              + add Treatments (treatments:
                                                                          + getschedule(): Treatments[][]
                      ArrayList < Treatments >
                                                                          + getBackupSchedule():Treatments[][]
              +getID():int
              tactNickname(): string
              + gerspecies (): AnimalType
                                                                          + writeschedule ()
                                                        <<throws>>
              †getAnimalTreatments ()
                                                                         tmain(args[]:String):String[]
                  ArrayList<Treatments>
```