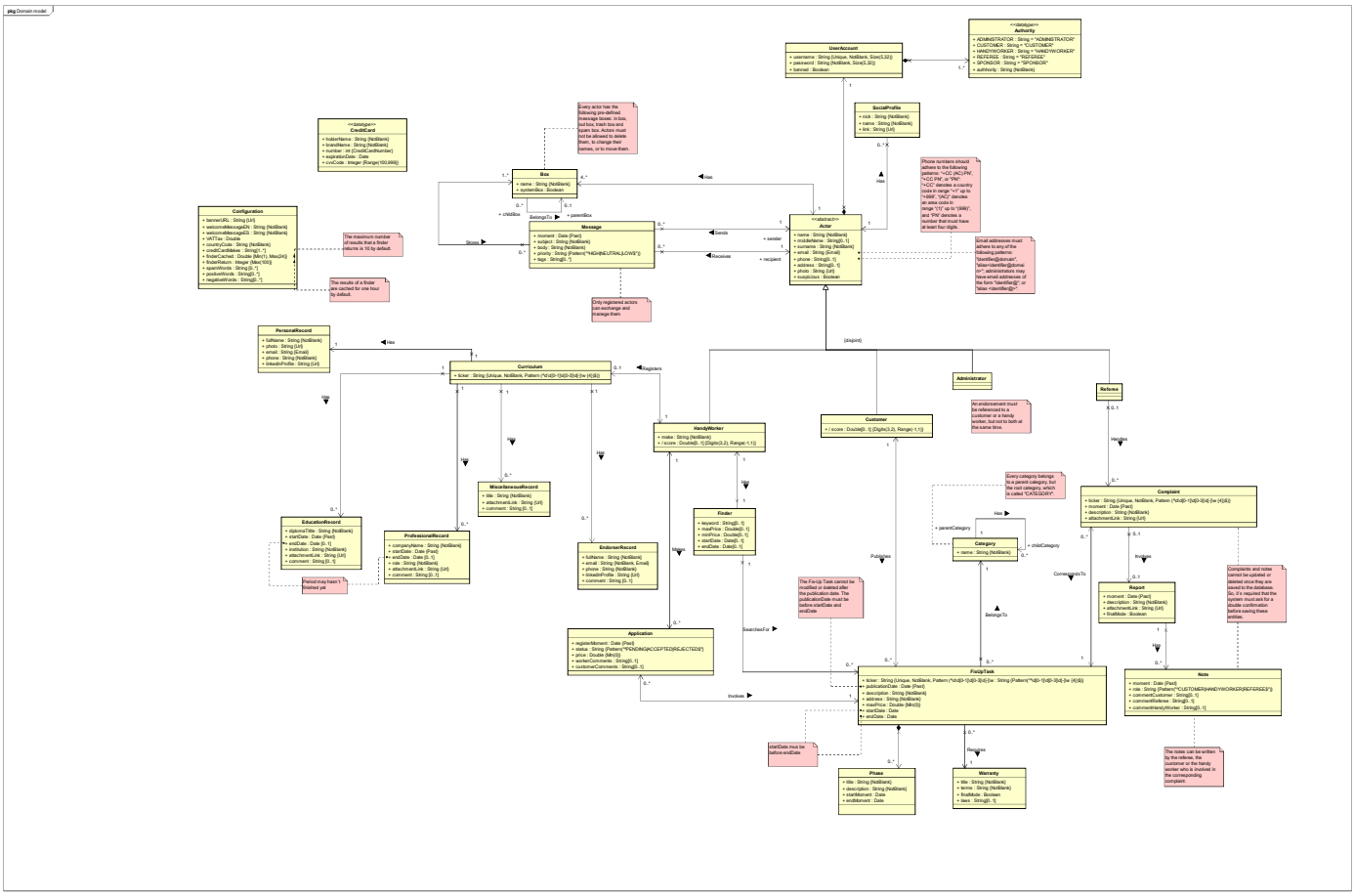
pkg Domain model
UserAccount
+ username : String [Unique, NotBlank, Size(5,32)]
+ password : String [NotBlank, Size(5,32)]
+ banned : Boolean
<<datatype>>
Authority
+ ADMINISTRATOR : String = "ADMINISTRATOR"
+ CUSTOMER : String = "CUSTOMER"
+ HANDYWORKER : String = "HANDYWORKER"
+ REFEREE : String = "REFEREE"
+ SPONSOR : String = "SPONSOR"
+ authority : String [NotBlank]
SocialProfile
+ nick : String [NotBlank]
+ name : String [NotBlank]
+ link : String [Url]
Every actor has the following pre-defined message boxes: in box, out box, trash box and spam box. The actor should not be allowed to delete them, to change their names, or to move them.
<<datatype>>
CreditCard
+ holderName : String [NotBlank]
+ brandName : String [NotBlank]
+ number : int [CreditCardNumber]
+ expirationDate : Date
+ cvvCode : Integer [Range(100,999)]
Box
+ name : String [NotBlank]
+ systemBox : Boolean
Has
Phone numbers should adhere to the following patterns: "+CC [AC] PN", "+CC PN", or "PN". "CC" denotes a country code in range "+1" up to "+999", "[AC]" denotes an area code in range "[1]1" up to "[999]", and "PN" denotes a number that must have at least four digits.
Configuration
+ bannerURL : String [Url]
+ welcomeMessageEN : String [NotBlank]
+ welcomeMessageES : String [NotBlank]
+ VATTax : Double
+ countryCode : String [NotBlank]
+ creditCardMakes : String[1..*]
+ finderCached : Double [Min(1), Max(24)]
+ finderReturn : Integer [Max(100)]
+ spamWords : String[1..*]
+ positiveWords : String[1..*]
+ negativeWords : String[1..*]
The maximum number of results that a finder returns is 10 by default.
The results of a finder are cached for one hour by default.
+ childBox
BelongsTo
+ parentBox
Stores
Message
+ moment : Date [Past]
+ subject : String [NotBlank]
+ body : String [NotBlank]
+ priority : String [Pattern("^HIGH|NEUTRAL|LOW$")]
+ tags : String[0..1]
Sends
Receives
+ sender
+ recipient
<<abstract>>
Actor
+ name : String [NotBlank]
+ surname : String [NotBlank]
+ nickname : String [NotBlank]
+ email : String [Email]
+ phone : String[0..1]
+ address : String[0..1]
+ photo : String [Url]
+ suspicious : Boolean
Email addresses must adhere to any of the following patterns: "identifier@domain", "alias <identifier@domain>", administrators may have email addresses of the form "identifier@", or "alias <identifier@>"
Only registered actors can exchange and manage them.
PersonalRecord
+ fullName : String [NotBlank]
+ photo : String [Url]
+ email : String [Email]
+ phone : String [NotBlank]
+ linkedInProfile : String [Url]
Has
Curriculum
+ ticker : String [Unique, NotBlank, Pattern ("^[A-Z]{1-3}[0-9]{4-6}$")]
Registers
{disjoint}
Administrator
Referee
HandyWorker
+ make : String [NotBlank]
+ score : Double[0..1] [Digits(3,2), Range(-1,1)]
Customer
+ score : Double[0..1] [Digits(3,2), Range(-1,1)]
An endorsement must be referenced to a customer or a handy worker, but not to both at the same time.
Handles
Every category belongs to a parent category, but the root category, which is called "CATEGORY".
Has
+ parentCategory
+ childCategory
Category
+ name : String [NotBlank]
Complaint
+ ticker : String [Unique, NotBlank, Pattern ("^[A-Z]{1-3}[0-9]{4-6}$")]
+ moment : Date [Past]
+ description : String [NotBlank]
+ attachmentLink : String [Url]
Publishes
Report
+ moment : Date [Past]
+ description : String [NotBlank]
+ attachmentLink : String [Url]
+ finalMode : Boolean
Complaints and notes cannot be updated or deleted once they are saved to the database. So, it's required that the system must ask for a double confirmation before saving these entities.
MiscellaneousRecord
+ title : String [NotBlank]
+ attachmentLink : String [Url]
+ comment : String [0..1]
EducationRecord
+ diplomaTitle : String [NotBlank]
+ startDate : Date [Past]
+ endDate : Date [0..1]
+ institution : String [NotBlank]
+ attachmentLink : String [Url]
+ comment : String [0..1]
Period may have to finished yet
ProfessionalRecord
+ companyName : String [NotBlank]
+ startDate : Date [Past]
+ endDate : Date [0..1]
+ role : String [NotBlank]
+ attachmentLink : String [Url]
+ comment : String [0..1]
EndorserRecord
+ fullName : String [NotBlank]
+ email : String [NotBlank, Email]
+ phone : String [NotBlank]
+ profileLink : String [NotBlank, Url]
+ comment : String [0..1]
Finder
+ keyword : String[0..1]
+ minPrice : Double[0..1]
+ maxPrice : Double[0..1]
+ startDate : Date[0..1]
+ endDate : Date[0..1]
Manages
CorresponsTo
The FixUp Task cannot be modified or deleted after the publication date. The publicationDate must be before startDate and endDate
BelongsTo
SearchesFor
Application
+ registerMoment : Date [Past]
+ status : String [Pattern("^PENDING|ACCEPTED|REJECTED$")]
+ price : Double [Min(0)]
+ workerComments : String[0..1]
+ customerComments : String[0..1]
Involves
FixUpTask
+ ticker : String [Unique, NotBlank, Pattern ("^[A-Z]{1-3}[0-9]{4-6}$")]
+ publicationDate : Date [Past]
+ description : String [NotBlank]
+ address : String [NotBlank]
+ maxPrice : Double [Min(0)]
+ startDate : Date
+ endDate : Date
Note
+ moment : Date [Past]
+ role : String [Pattern("^CUSTOMER|HANDYWORKER|REFEREE$")]
+ commentCustomer : String[0..1]
+ commentReferee : String[0..1]
+ commentHandyWorker : String[0..1]
Has
startDate must be before endDate
Requires
Phase
+ title : String [NotBlank]
+ description : String [NotBlank]
+ startMoment : Date
+ endMoment : Date
Warranty
+ title : String [NotBlank]
+ terms : String [NotBlank]
+ finalMode : Boolean
+ laws : String[0..1]
The notes can be written by the referee, the customer or the handy worker who is involved in the corresponding complaint.