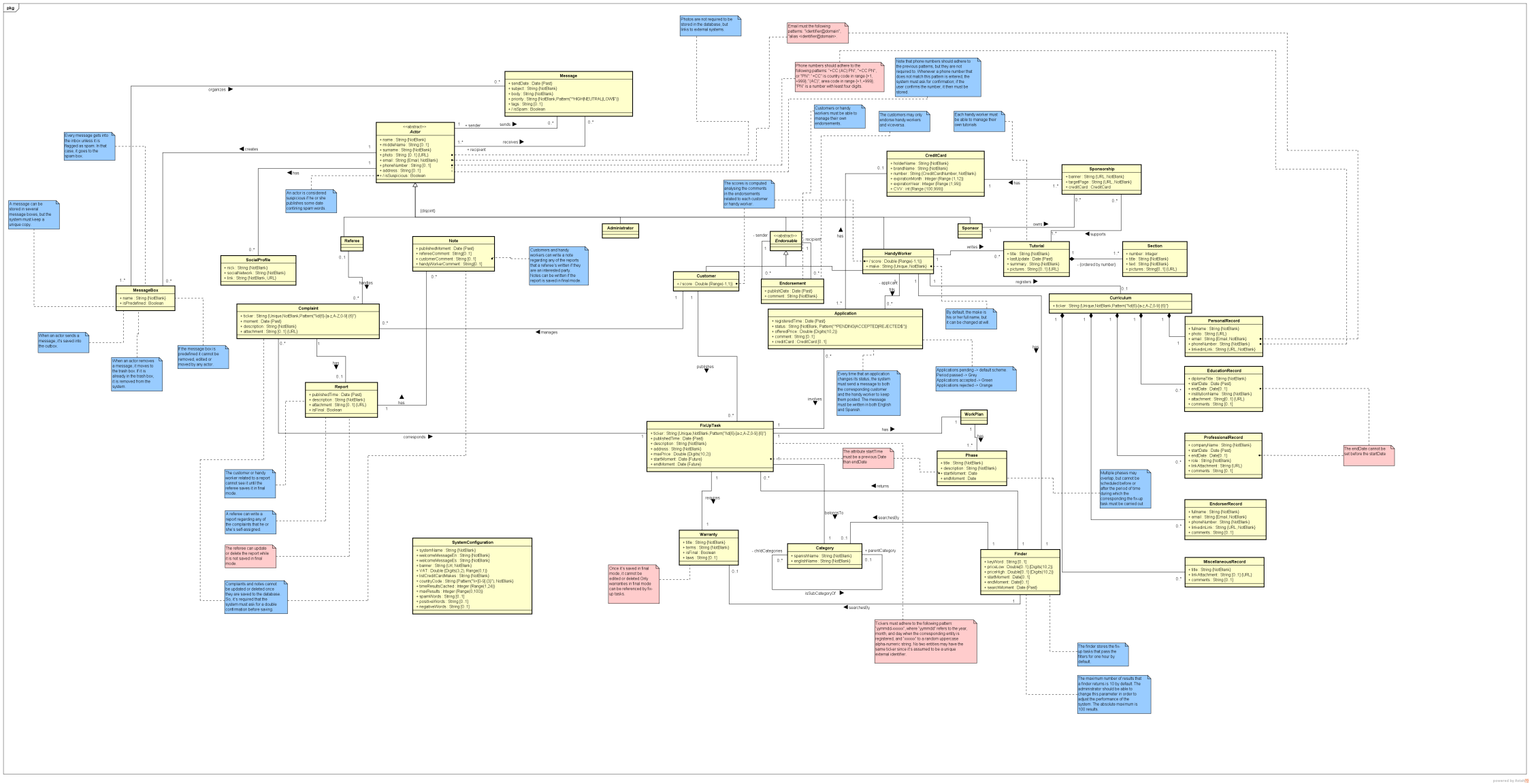
pkg
Message
+ sendDate : Date {Past}
+ subject : String {NotBlank}
+ body : String {NotBlank}
+ priority : String {NotBlank,Pattern("^HIGH|NEUTRAL|LOW$")}
+ tags : String [0..1]
+ / isSpam : Boolean
organizes
sends
receives
+ sender
+ recipient
<<abstract>>
Actor
+ name : String {NotBlank}
+ middleName : String [0..1]
+ surname : String {NotBlank}
+ photo : String [0..1]{URL}
+ email : String {Email, NotBlank}
+ phoneNumber : String [0..1]
+ address : String [0..1]
+ / isSuspicious : Boolean
creates
has
{disjoint}
Every message gets into the inbox unless it is flagged as spam. In that case, it goes to the spam box.
An actor is considered suspicious if he or she publishes some date confirming spam words.
A message can be stored in several message boxes, but the system must keep a unique copy
Administrator
Referee
SocialProfile
+ nick : String {NotBlank}
+ socialNetwork : String {NotBlank}
+ link : String {NotBlank, URL}
MessageBox
+ name : String {NotBlank}
+ isPredefined : Boolean
When an actor sends a message, it's saved into the outbox
When an actor removes a message, it moves to the trash box. If it is already in the trash box, it is removed from the system.
If the message box is predefined it cannot be removed, edited or moved by any actor.
handles
Complaint
+ ticker : String {Unique,NotBlank,Pattern("^\d{6}-[a-z,A-Z,0-9]{6}")}
+ moment : Date {Past}
+ description : String {NotBlank}
+ attachment : String [0..1]{URL}
manages
has
Report
+ publishedTime : Date {Past}
+ description : String {NotBlank}
+ attachment : String [0..1]{URL}
+ isFinal : Boolean
has
corresponds
The customer or handy worker related to a report cannot see it until the referee saves it in final mode.
A referee can write a report regarding any of the complaints that he or she's self-assigned.
The referee can update or delete the report while it is not saved in final mode.
Compiaints 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.
Note
+ publishedMoment : Date {Past}
+ refereeComment : String [0..1]
+ customerComment : String [0..1]
+ handyWorkerComment : String [0..1]
Customers and handy workers can write a note regarding any of the reports that a referee's written if they are an interested party. Notes can be written if the report is saved in final mode.
SystemConfiguration
+ systemName : String {NotBlank}
+ welcomeMessageEn : String {NotBlank}
+ welcomeMessageEs : String {NotBlank}
+ banner : String [0,R, NotBlank}
+ VAT : Double {Digits(3,2), Range(0,1)}
+ listCreditCardMakes : String {NotBlank}
+ countryCode : String {Pattern("^\+[0-9]{1,3}$"), NotBlank}
+ timeResultsCached : Integer {Range(1,24)}
+ maxResults : Integer {Range(0,100)}
+ spamWords : String [0..1]
+ positiveWords : String [0..1]
+ negativeWords : String [0..1]
Photos are not required to be stored in the database, but links to external systems.
Email must the following patterns: "identifier@domain", "alias <identifier@domain>
Phone numbers should adhere to the following patterns: "+CC (AC) PN", "+CC PN", or "PN". "+CC" is country code in range [+1, +999]; "(AC)" area code in range [+1,+999]; "PN" is a number with least four digits.
Note that phone numbers should adhere to the previous patterns, but they are not required to. Whenever a phone number that does not match this pattern is entered, the system must ask for confirmation; if the user confirms the number, it then must be stored.
Customers or handy workers must be able to manage their own endorsements.
The customers may only endorse handy workers and viceversa.
Each handy worker must be able to manage their own tutorials
CreditCard
+ holderName : String {NotBlank}
+ brandName : String {NotBlank}
+ number : String {CreditCardNumber, NotBlank}
+ expirationMonth : Integer {Range [1, 12]}
+ expirationYear : Integer {Range [1,99]}
+ CVV : int {Range [100,999]}
Sponsorship
+ banner : String {URL, NotBlank}
+ targetPage : String {URL, NotBlank}
+ creditCard : CreditCard
has
owns
supports
Sponsor
The scores is computed analyzing the comments in the endorsements related to each customer or handy worker.
- sender
- recipient
<<abstract>>
Endorsable
Endorsement
+ publishDate : Date {Past}
+ comment : String {NotBlank}
writes
HandyWorker
+ / score : Double {Range[-1,1]}
+ make : String {Unique, NotBlank}
Tutorial
+ title : String {NotBlank}
+ lastUpdate : Date {Past}
+ summary : String {NotBlank}
+ pictures : String [0..1] {URL}
registers
Section
+ number : Integer
+ title : String {NotBlank}
+ text : String {NotBlank}
+ pictures : String[0..1] {URL}
- {ordered by number}
Customer
+ / score : Double {Range[-1,1]}
- applicant
has
Application
+ registeredTime : Date {Past}
+ status : String {NotBlank, Pattern("^PENDING|ACCEPTED|REJECTED$")}
+ offeredPrice : Double {Digits(11,2)}
+ comment : String [0..1]
+ creditCard : CreditCard [0..1]
By default, the make is his or her full name, but it can be changed at will.
Curriculum
+ ticker : String {Unique,NotBlank,Pattern("^\d{6}-[a-z,A-Z,0-9]{6}")}
has
PersonalRecord
+ fullname : String {NotBlank}
+ photo : String {URL}
+ email : String {Email, NotBlank}
+ phoneNumber : String {NotBlank}
+ linkedLink : String {URL, NotBlank}
EducationRecord
+ diplomaTitle : String {NotBlank}
+ startDate : Date {Past}
+ endDate : Date[0..1]
+institutionName : String {NotBlank}
+ attachment : String[0..1]{URL}
+ comments : String [0..1]
ProfessionalRecord
+ companyName : String {NotBlank}
+ startDate : Date {Past}
+ endDate : Date[0..1]
+ role : String {NotBlank}
+ linkAttachment : String {URL}
+ comments : String [0..1]
The endDate cannot be set before the startDate
EndorsedRecord
+ fullname : String {NotBlank}
+ email : String {Email, NotBlank}
+ phoneNumber : String {NotBlank}
+ linkedLink : String {URL, NotBlank}
+ comments : String [0..1]
MiscellaneousRecord
+ title : String {NotBlank}
+ linkAttachment : String [0..1]{URL}
+ comments : String [0..1]
Every time that an application changes its status, the system must send a message to both the corresponding customer and the handy worker to keep them posted. The message must be written in both English and Spanish.
Applications pending -> default scheme. Period passed -> Grey Applications accepted -> Green Applications rejected -> Orange
publishes
involves
FixUpTask
+ ticker : String {Unique,NotBlank,Pattern("^\d{6}-[a-z,A-Z,0-9]{6}")}
+ publishedTime : Date {Past}
+ description : String {NotBlank}
+ address : String {NotBlank}
+ maxPrice : Double {Digits(10,2)}
+ startMoment : Date {Future}
+ endMoment : Date {Future}
has
WorkPlan
has
Phase
+ title : String {NotBlank}
+ description : String {NotBlank}
+ startMoment : Date
+ endMoment : Date
The attribute startTime must be a previous Date than endDate
returns
Multiple phases may overlap, but cannot be scheduled before or after the period of time during which the corresponding the fix-up task must be carried out
requires
belongsTo
searchesBy
Warranty
+ title : String {NotBlank}
+ terms : String {NotBlank}
+ isFinal : Boolean
+ laws : String [0..1]
Once it's saved in final mode, it cannot be edited or deleted. Only warranties in final mode can be referenced by fix-up tasks.
Category
+ spanishName : String {NotBlank}
+ englishName : String {NotBlank}
- childCategories
+ parentCategory
isSubCategoryOf
Finder
+ keyWord : String [0..1]
+ priceLow : Double[0..1] {Digits(10,2)}
+ priceHigh : Double[0..1] {Digits(10,2)}
+ startMoment : Date[0..1]
+ endMoment : Date[0..1]
+ searchMoment : Date {Past}
searchesBy
Tickers must adhere to the following pattern "yymmdd-xxxxx", where "yymmdd" refers to the year, month, and day when the corresponding entity is registered, and "xxxxx" to a random uppercase alpha numeric string. No two entities may have the same ticker since it is assumed to be a unique external identifier.
The finder stores the fix-up tasks that pass the filters for one hour by default.
The maximum number of results that a finder returns is 10 by default. The admnistrator should be able to change this parameter in order to adjust the performance of the system. The absolute maximum is 100 results.
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