pkg

Note (pink): email must follow the pattern: "identifier@domain", "alias <identifier@domain>"; administrators may have email addresses of the form "identifier@" or "alias <identifier@>"

Note (blue): 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.

SystemConfiguration
- systemName : String {NotBlank}
- welcomeMessage : Map<String,String> {NotBlank}
- banner : String {URL, NotBlank}
- countryCode : String {Pattern("\+[0-9] {3}"), NotBlank}
- timeResultsCached : Integer {Range(1,24)}
- maxResults : Integer {Range(0,100)}
- breachNotification : Map<String,String>
- VATTax : Double {Digits(3,2), Range(0,1)}
- alreadyRebranded : Boolean

<> Actor
- name : String {NotBlank}
- surname : String {NotBlank}
- VAT : String {NotBlank, Pattern("[0-9][A-Z])")}
- photo : String [0..1] {URL}
- email : String {Email, NotBlank}
- phoneNumber : String [0..1]
- address : String [0..1]

<<datatype>> CreditCard
- holder : String {NotBlank}
- make : String {NotBlank}
- number : String {NotBlank}
- expirationMonth : Integer {Range(1,12)}
- expirationYear : Integer {Range(0,99)}
- CVV : int {Range(100,999)}

Note (pink): phoneNumber must follow the pattern: "+CC (AC) PN", "+CC PN", or "PN", where "+CC" denotes a country code in range "+1" up to "+999"; "(AC)" denotes an area code in range "(1)" up to "(999)", and "PN" denotes a number that must have at least four digits

Note (blue): If a search criterion is not specified, then every position meets it

Note (blue): The maximum number of results that a finder returns is 10 by default. The administrator should be able to change this parameter in order to adjust the performance of the system. The absolute maximum is 100 results.

Note (blue): The results of a finder are cached for one hour by default.

Finder
- keyWord : String [0..1]
- deadline : Date [0..1]
- minimumSalary : Double [0..1]
- maximumDeadline : Double [0..1]
- searchMoment : Date {Past}

Hacker

Administrator

Auditor

Company
- commercialName : String {NotBlank}
- score : Double {Range(0,1)}

Sponsorship
- banner : String {URL}
- targetPage : String {URL}

Provider
- providerMake : String {NotBlank}

Audit
- writtenMoment : Date
- text : String {NotBlank}
- score : Double {Range(0,10)}
- isDraft : Boolean

Miscellaneous data
- text : String {NotBlank}
- attachments : String [0..1] {URL}

Curricula

Application
- applicationMoment : Date
- explanation : String {NotBlank}
- linkCode : String {NotBlank, URL}
- submitMoment : Date
- status : String {Pattern("^PENDING|SUBMITED|ACCEPTED|REJECTED$")}

Position
- title : String {NotBlank}
- description : String {NotBlank}
- deadline : Date {Future}
- profileRequired : String {NotBlank}
- technologiesRequired : String {NotBlank}
- salary : Double {Min = 0}
- ticker : String {NotBlank}
- skillsRequired : String {NotBlank}
- isDraft : Boolean

Item
- name : String {NotBlank}
- description : String {NotBlank}
- links : String {NotBlank}
- pictures : String [0..1]

Education data
- degree : String {NotBlank}
- institution : String {NotBlank}
- mark : Double
- startDate : Date {Past}
- endDate : Date [0..1] {Past}

Personal data
- githubProfile : String {URL}
- linkedin : String {URL}
- fullName : String {NotBlank}
- statement : String {NotBlank}
- phoneNumber : String [0..1]

Note (pink): Ticker that must match the following pattern: "XXXX-9999", where "XXXX" are the first four letters in the commercial name of the company (Using "X" to pad shorter names), and "9999" is a pseudo-random four-figure number.

Position data
- title : String {NotBlank}
- description : String {NotBlank}
- startDate : Date {Past}
- endDate : [0..1] Date

Problem
- title : String {NotBlank}
- statement : String {NotBlank}
- optionalHint : String [0..1]
- attachments : String {NotBlank}
- isDraft : Boolean

Association labels: has, Audit, publishes, sponsors, creates, provides, requests, returns