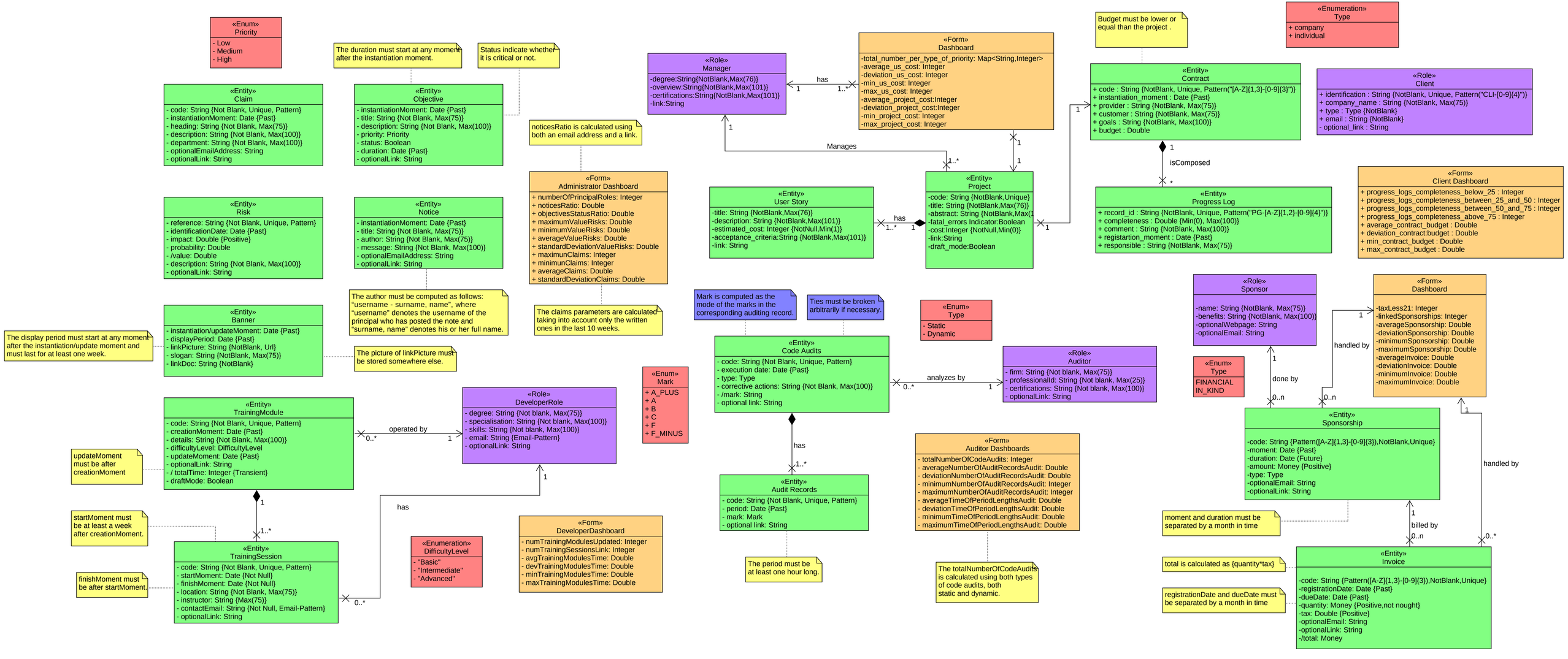
«Enum»
Priority
- Low
- Medium
- High
The duration must start at any moment after the instantiation moment.
Status indicate whether it is critical or not.
«Entity»
Claim
- code: String {Not Blank, Unique, Pattern}
- instantiationMoment: Date {Past}
- heading: String {Not Blank, Max(75)}
- description: String {Not Blank, Max(100)}
- department: String {Not Blank, Max(100)}
- optionalEmailAddress: String
- optionalLink: String
«Entity»
Objective
- instantiationMoment: Date {Past}
- title: String {Not Blank, Max(75)}
- description: String {Not Blank, Max(100)}
- priority: Priority
- status: Boolean
- duration: Date {Past}
- optionalLink: String
«Role»
Manager
-degree:String{NotBlank,Max(76)}
-overview:String{NotBlank,Max(101)}
-certifications:String{NotBlank,Max(101)}
-link:String
has
1
1..*
«Form»
Dashboard
-total_number_per_type_of_priority: Map<String,Integer>
-average_us_cost: Integer
-deviation_us_cost: Integer
-min_us_cost: Integer
-max_us_cost: Integer
-average_project_cost:Integer
-deviation_project_cost:Integer
-min_project_cost: Integer
-max_project_cost: Integer
Budget must be lower or equal than the project .
«Enumeration»
Type
+ company
+ individual
«Entity»
Contract
+ code : String {NotBlank, Unique, Pattern("[A-Z]{1,3}-[0-9]{3}")}
+ instantiation_moment : Date {Past}
+ provider : String {NotBlank, Max(75)}
+ customer : String {NotBlank, Max(75)}
+ goals : String {NotBlank, Max(100)}
+ budget : Double
«Role»
Client
+ identification : String {NotBlank, Unique, Pattern("CLI-[0-9]{4}")}
+ company_name : String {NotBlank, Max(75)}
+ type : Type {NotBlank}
+ email : String {NotBlank}
- optional_link : String
noticesRatio is calculated using both an email address and a link.
Manages
1
1..*
1
1
1
isComposed
*
«Entity»
Risk
- reference: String {Not Blank, Unique, Pattern}
- identificationDate: Date {Past}
- impact: Double {Positive}
- probability: Double
- /value: Double
- description: String {Not Blank, Max(100)}
- optionalLink: String
«Entity»
Notice
- instantiationMoment: Date {Past}
- title: String {Not Blank, Max(75)}
- author: String {Not Blank, Max(75)}
- message: String {Not Blank, Max(100)}
- optionalEmailAddress: String
- optionalLink: String
«Form»
Administrator Dashboard
+ numberOfPrincipalRoles: Integer
+ noticesRatio: Double
+ objectivesStatusRatio: Double
+ maximumValueRisks: Double
+ minimumValueRisks: Double
+ averageValueRisks: Double
+ standardDeviationValueRisks: Double
+ maximunClaims: Integer
+ minimunClaims: Integer
+ averageClaims: Double
+ standardDeviationClaims: Double
«Entity»
User Story
-title: String {NotBlank,Max(76)}
-description: String {NotBlank,Max(101)}
-estimated_cost: Integer {NotNull,Min(1)}
-acceptance_criteria:String {NotBlank,Max(101)}
-link: String
has
1..*
1
«Entity»
Project
-code: String {NotBlank,Unique}
-title: String {NotBlank,Max(76)}
-abstract: String {NotBlank,Max(
-fatal_errors Indicator:Boolean
-cost:Integer {NotNull,Min(0)}
-link:String
-draft_mode:Boolean
1
«Entity»
Progress Log
+ record_id : String {NotBlank, Unique, Pattern("PG-[A-Z]{1,2}-[0-9]{4}")}
+ completeness : Double {Min(0), Max(100)}
+ comment : String {NotBlank, Max(100)}
+ registartion_moment : Date {Past}
+ responsible : String {NotBlank, Max(75)}
«Form»
Client Dashboard
+ progress_logs_completeness_below_25 : Integer
+ progress_logs_completeness_between_25_and_50 : Integer
+ progress_logs_completeness_between_50_and_75 : Integer
+ progress_logs_completeness_above_75 : Integer
+ average_contract_budget : Double
+ deviation_contract:budget : Double
+ min_contract_budget : Double
+ max_contract_budget : Double
«Entity»
Banner
- instantiation/updateMoment: Date {Past}
- displayPeriod: Date {Past}
- linkPicture: String {NotBlank, Url}
- slogan: String {NotBlank, Max(75)}
- linkDoc: String {NotBlank}
The display period must start at any moment after the instantiation/update moment and must last for at least one week.
The picture of linkPicture must be stored somewhere else.
The author must be computed as follows: "username - surname, name", where "username" denotes the username of the principal who has posted the note and "surname, name" denotes his or her full name.
The claims parameters are calculated taking into account only the written ones in the last 10 weeks.
Mark is computed as the mode of the marks in the corresponding auditing record.
Ties must be broken arbitrarily if necessary.
«Enum»
Type
- Static
- Dynamic
«Role»
Sponsor
-name: String {NotBlank, Max(75)}
-benefits: String {NotBlank, Max(100)}
-optionalWebpage: String
-optionalEmail: String
«Form»
Dashboard
-taxLess21: Integer
-linkedSponsorships: Integer
-averageSponsorship: Double
-deviationSponsorship: Double
-minimumSponsorship: Double
-maximumSponsorship: Double
-averageInvoice: Double
-deviationInvoice: Double
-minimumInvoice: Double
-maximumInvoice: Double
handled by
1
0..n
done by
1
0..n
«Enum»
Type
FINANCIAL
IN_KIND
«Entity»
Code Audits
- code: String {Not Blank, Unique, Pattern}
- execution date: Date {Past}
- type: Type
- corrective actions: String {Not Blank, Max(100)}
- /mark: String
- optional link: String
analyzes by
0..*
1
«Role»
Auditor
- firm: String {Not blank, Max(75)}
- professionalId: String {Not blank, Max(25)}
- certifications: String {Not blank, Max(100)}
- optionalLink: String
«Entity»
Sponsorship
-code: String {Pattern([A-Z]{1,3}-[0-9]{3}),NotBlank,Unique}
-moment: Date {Past}
-duration: Date (Future}
-amount: Money {Positive}
-type: Type
-optionalEmail: String
-optionalLink: String
handled by
1
0..*
«Enum»
Mark
+ A_PLUS
+ A
+ B
+ C
+ F
+ F_MINUS
«Role»
DeveloperRole
- degree: String {Not blank, Max(75)}
- specialisation: String {Not blank, Max(100)}
- skills: String {Not blank, Max(100)}
- email: String {Email-Pattern}
- optionalLink: String
«Entity»
TrainingModule
- code: String {Not Blank, Unique, Pattern}
- creationMoment: Date {Past}
- details: String {Not Blank, Max(100)}
- difficultyLevel: DifficultyLevel
- updateMoment: Date {Past}
- optionalLink: String
- / totalTime: Integer {Transient}
- draftMode: Boolean
operated by
0..*
1
updateMoment must be after creationMoment
1
1..*
has
1
0..*
«Entity»
Audit Records
- code: String {Not Blank, Unique, Pattern}
- period: Date {Past}
- mark: Mark
- optional link: String
has
1..*
The period must be at least one hour long.
«Form»
Auditor Dashboards
- totalNumberOfCodeAudits: Integer
- averageNumberOfAuditRecordsAudit: Double
- deviationNumberOfAuditRecordsAudit: Double
- minimumNumberOfAuditRecordsAudit: Integer
- maximumNumberOfAuditRecordsAudit: Integer
- averageTimeOfPeriodLengthsAudit: Double
- deviationTimeOfPeriodLengthsAudit: Double
- minimumTimeOfPeriodLengthsAudit: Double
- maximumTimeOfPeriodLengthsAudit: Double
The totalNumberOfCodeAudits is calculated using both types of code audits, both static and dynamic.
moment and duration must be separated by a month in time
1
billed by
0..n
«Entity»
Invoice
-code: String {Pattern([A-Z]{1,3}-[0-9]{3}),NotBlank,Unique}
-registrationDate: Date {Past}
-dueDate: Date {Past}
-quantity: Money {Positive,not nought}
-tax: Double {Positive}
-optionalEmail: String
-optionalLink: String
-/total: Money
total is calculated as {quantity*tax}
registrationDate and dueDate must be separated by a month in time
startMoment must be at least a week after creationMoment.
finishMoment must be after startMoment.
«Entity»
TrainingSession
- code: String {Not Blank, Unique, Pattern}
- startMoment: Date {Not Null}
- finishMoment: Date {Not Null}
- location: String {Not Blank, Max(75)}
- instructor: String {Max(75)}
- contactEmail: String {Not Null, Email-Pattern}
- optionalLink: String
«Enumeration»
DifficultyLevel
- "Basic"
- "Intermediate"
- "Advanced"
«Form»
DeveloperDashboard
- numTrainingModulesUpdated: Integer
- numTrainingSessionsLink: Integer
- avgTrainingModulesTime: Double
- devTrainingModulesTime: Double
- minTrainingModulesTime: Double
- maxTrainingModulesTime: Double