«Role»
Technician {ValidTechnician}

+ identifier: String {Mandatory, Column(unique=true), Automapped}
+ licenseNumber: String {Mandatory, Column(unique=true), ValidLicense}
+ phoneNumber: String {Mandatory, ValidPhone, Automapped}
+ specialisation: String {Mandatory, ValidString(min = 1, max = 50), Automapped}
+ healthTestPassed: boolean {Mandatory, Automapped}
+ yearsOfExperience: Integer {Mandatory, ValidNumber(min = 0, max = 120), Automapped}
+ certifications: String {Optional, ValidString(min = 1, max = 255), Automapped}

«Form»
TechnicianDashboard

+ numberOfRecordsGroupedByStatus: Map<MaintenanceStatus, Integer>
+ nearestInspectionMaintenanceRecord: MaintenanceRecord
+ higherTaskNumberAircrafts: List<Aircraft>

+ avgEstimatedCost: Money
+ minEstimatedCost: Money
+ maxEstimatedCost: Money
+ stdDevEstimatedCost: Money

Registered by

1

0..n

«Enum»
MaintenanceStatus

+ PENDING
+ IN_PROGRESS
+ COMPLETED

«Entity»
MaintenanceRecord

+ maintenanceDate: Date {Mandatory, Temporal(TemporalType.TIMESTAMP), ValidMoment(past=true)}
+ maintenanceStatusus: MaintenanceStatus {Mandatory, Valid, Automapped}
+ nextInspectionDate: Date {Mandatory, ValidMoment(past = false), Temporal(TemporalType.TIMESTAMP)}
+ estimatedCost: Money {Mandatory, ValidMoney, Automapped}
+ notes: String {Optional, ValidString(min = 0, max = 255), Automapped}
+ draftMode: boolean {Mandatory, Automapped}

About

0..n   1

«Entity»
Aircraft

Carried out by

Involves

1

0..n

«Entity»
MaintenanceRecordTask

0..n

Involves

1

«Enum»
TaskType

+ MAINTENANCE
+ INSPECTION
+ REPAIR
+ SYSTEM
+ CHECK

0..n

«Entity»
Task

+ taskType: TaskType {Mandatory, Valid, Automapped}
+ description: String {Mandatory, ValidString(min = 1, max = 255), Automapped}
+ priority: Integer {Mandatory, ValidNumber(min = 0, max = 10), Automapped}
+ estimatedDuration: Integer {Mandatory, ValidNumber(min = 0, max = 1000), Automapped}
+ draftMode: boolean {Mandatory, Automapped}