Sentinel - Class Diagram

SentinelApplication

+ main(tring[] args): void

Controllers

APIRestController

- addresService: AdressService
- reportService: RepoertService

+ getReportsFromAddress(AddressRequest addressRequest): ResponseEntity<LocationRequest>
+ saveReports(List<ReportRequest> requests, Authentication auth): ResponseEntity<Long>

Services

<<interface>>
ReportService

+ saveReports(List<ReportRequest> requests, String userId): Long

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<<interface>>
AddressService

+ getReportsByAddress(Address address): Set<Report>
+ getAddress(AddressRequest addressRequest): Address
+ getAddress(Address address): Address

ReportServiceImpl

- addressRepository: AddressRepository
- addressService: AddressService
- reportRepository: ReportRepository
- situationRepository: SituationRepository

+ saveReports(List<ReportRequest> request, String userId): Long
- saveReport(String userId, Timestamp sqlTimestamp, ReportRequest reportRequest, Address savedAddress): void
- saveSituations(ReportRequest request, Report savedSignal): void

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AddressServiceImpl

- addressRepository: AddressRepository

+ getAddress(AddressRequest addressRequest): Address
+ getAddress(Address address): Address
+ getReportsByAddress(Address address): Set<Report>

Repos

<<interface>>
ReportReposiroty

<<interface>>
SituationReposiroty

+ saveSituation(Long reportId, String situationId): void

<<interface>>
AddressReposiroty

+ getAddress(String street, String number, String addition, String postcode, String city, String province): Address

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Models

Report

- id: Long
- reportTime: Timestamp
- employerName: String
- employerAgencyName: String
- branchType: String
- maxHouseholds: Integer
- numPeople: Integer
- userId: String
- remark: String

Situation

- id: Long
- street: String
- number: String
- addition: String

Address

- id: Long
- street: String
- number: String
- addition: String
- postcode: String
- city: String
- province: String
- latitude: Double
- longitude: Double

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DTO

ReportRequest

- reportTime: Timestamp
- employerName: String
- employerAgencyName: String
- branchType: String
- maxHouseholds: Integer
- numPeople: Integer
- userId: String
- remark: String
- numRepeatedReports: int
- q_ho_1, q_ho_2, [...]: String

LocationRequest

AddressRequest

- street: String
- number: String
- addition: String
- postcode: String
- city: String
- province: String
- latitude: Double
- longitude: Double

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Keycloak

SecurityConfig

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configure(HttpSecurity http): void
+ configureGlobal(AuthenticationManagerBuilder auth): void
# sessionAuthenticationStrategy(): SessionAuthenticationStrategy

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BeanKeycloakConfiguration

+ KeycloakConfigResolver(): KeycloakSpringBootConfigResolver