Controllers

<<Entity Bean>> PersonCartController
- -personService : PersonService
- +get(id : int)
- +edit(personDTO : PersonDTO)

<<Entity Bean>> PersonSearchController
- -personService : PersonService
- +get()
- +post(personDTO : PersonDTO)

<<Entity Bean>> CompanyCartController
- -companyService : CompanyService
- +get(id : int)
- +edit(companyDTO : CompanyDTO)

<<Entity Bean>> CompanySearchController
- -companyService : CompanyService
- +get()
- +post(companyDTO : CompanyDTO)

<<Entity Bean>> PersonActivityCartController
- -activityService : ActivityService
- +get(id : int)
- +post(activityDTO : ActivityDTO)

DTO

PersonDTO

CompanyDTO

ActivityDTO

AttachmentDTO

AddressDTO

Services

<<Interface>> PersonService

<<Interface>> CompanyService

<<Interface>> ActivityService

<<Entity Bean>> PersonServiceImpl
- -personRepository : PersonRepository
- -addressService : AddressService
- +createPerson(personDTO : PersonDTO)
- +editPerson(personDTO : PersonDTO)
- +deletePerson(personDTO : PersonDTO)
- +setAddress(addressDTO : AddressDTO)

<<Entity Bean>> CompanyServiceImpl
- -companyRepository : CompanyRepository
- -addressService : AddressService
- +createCompany(companyDTO : CompanyDTO)
- +editCompany(companyDTO : CompanyDTO)
- +deleteCompany(companyDTO : CompanyDTO)
- +setHQAddress(hqAddressDTO : AddressDTO)
- +setRegisterAddress(registerAddressDTO : AddressDTO)
- +setContactPerson(contactPersonDTO : PersonDTO)

<<Entity Bean>> ActivityServiceImpl
- -activityRepository : ActivityRepository
- -personRepository : PersonRepository
- -companyRepository : CompanyRepository
- +addActivity(activityDTO : ActivityDTO)
- +editActivity(activityDTO : ActivityDTO)
- +deleteActivity(activityDTO : ActivityDTO)
- +attachPersonToActivity(activityDTO : ActivityDTO, personDTO : PersonDTO)
- +detachPersonFromActivity(activityDTO : ActivityDTO, personDTO : PersonDTO)
- +attachCompanyToActivity(activityDTO : ActivityDTO, companyDTO : CompanyDTO)
- +detachCompanyFromActivity(activityDTO : ActivityDTO, companyDTO : CompanyDTO)

<<Interface>> AddressService

<<Entity Bean>> AddressServiceImpl
- -addressRepository : AddressRepository
- -regionService : RegionService
- -districtService : DistrictService
- -cityService : CityService
- -streetService : StreetService
- -buildingService : BuildingService
- -postalCodeService : PostalCodeService
- +setAddress(addressDTO : AddressDTO)

<<Interface>> RegionService

<<Interface>> DistrictService

<<Interface>> CityService

<<Interface>> StreetService

<<Interface>> BuildingService

<<Interface>> PostalCodeService

<<Entity Bean>> RegionServiceImpl
- -regionRepository : RegionRepository
- +getRegion(name : String) : Region

<<Entity Bean>> DistrictServiceImpl
- -districtRepository : DistrictRepository
- +getDistrict(name : String) : District

<<Entity Bean>> CityServiceImpl
- -cityRepository : CityRepository
- +getCity(name : String) : City

<<Entity Bean>> StreetServiceImpl
- -streetRepository : StreetRepository
- +getStreet(name : String) : Street

<<Entity Bean>> BuildingServiceImpl
- -buildingRepository : BuildingRepository
- +getBulding(name : String) : Building

<<Entity Bean>> PostalCodeServiceImpl
- -postalCodeRepository : PostalCodeRepository
- +getPostalCode(name : String) : PostalCode

Entities

<<Entity Bean>> Person
- -id : int
- -firstName : String
- -middleName : String
- -lastName : String
- -taxCode : String
- -passportSeries : String
- -passportNumber : String
- -phone : String
- -email : String
- -address : Address
- -activities : Activity

<<Entity Bean>> Activity
- -id : int
- -type
- -name : String
- -start : LocalDateTime
- -finish : LocalDateTime
- -notes : String
- -person : Person
- -company : Company
- -attachments : Attachment

<<Entity Bean>> Company
- -id : int
- -name : String
- -contact : Person
- -industry : Industry
- -phone : String
- -email : String
- -hqAddress : Address
- -registerAddress : Address
- -activities : Activity

<<Entity Bean>> Attachment
- -id : int
- -name : String
- -path : String

<<Entity Bean>> Address
- -id : int
- -region : Region
- -district : District
- -city : City
- -street : Street
- -building : Building

<<Entity Bean>> Industry
- -id : int
- -name : String

<<enumeration>> ActivityType
- CALL
- EMAIL
- VISIT
- PUSH
- SMS
- CHAT

contains

of type

<<Entity Bean>> Region
- -id

<<Entity Bean>> District
- -id : int

<<Entity Bean>> City
- -id : int

<<Entity Bean>> Street
- -id : int

<<Entity Bean>> Building
- -id : int

<<Entity Bean>> PostalCode
- -id : int

Repositories

<<Interface>> <<Entity Bean>> PersonRepository

<<Interface>> <<Entity Bean>> RegionRepository

<<Interface>> <<Entity Bean>> CompanyRepository

<<Interface>> <<Entity Bean>> DistrictRepository

<<Interface>> <<Entity Bean>> AddressRepository

<<Interface>> <<Entity Bean>> CityRepository

<<Interface>> <<Entity Bean>> ActivityRepository

<<Interface>> <<Entity Bean>> StreetRepository

<<Interface>> <<Entity Bean>> IndustryRepository

<<Interface>> <<Entity Bean>> BuildingRepository

<<Interface>> <<Entity Bean>> AttachmentRepository

<<Interface>> <<Entity Bean>> PostalCodeRepository

Customer Service Representative

: PersonActivityCartController **activityService : ActivityService** **activityRepository : ActivityRepository** **personRepository : PersonRepository**

1: post(activityDTO : ActivityDTO)

1.1: add(ActivityDTO)

1.1.1: findById(int)

1.1.2: person

1.1.3: save(Activity)

1.1.4: activity

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