

controller

AdminController

- login(int loginId, String password)
- getAdminDetails(String secretKey)
- getCatsByAdmin(String secretKey)
- deleteCat(String secretKey, Integer id)
- updateCat(Integer id, Map<String, String> catData, MultipartFile[] images)
- deleteImageByName(String imageName, String secretKey)
- addCat(Map<String, String> catData, MultipartFile[] images)

CatController

- readSearchedCats(allFilters, String sortOption)
- readCat(int id)
- getCatById(Integer id)

UserController

- createUser(User newUser)
- login(Map<String, String> loginData)
- updatePassword(Map<String, String> request)
- addFavorite(String secretKey, Integer catId)
- getFavoriteCats(String secretKey)
- removeFavorite(String secretKey, Integer catId)

service

CatService

- getFilteredCats(allFilters)
- getSortedCats(String sortBy, allFilters)

repository

AdminRepo

- findAdminByLoginId(Integer loginId)
- findAdminByLoginIdAndPassword(Integer loginId, String password)
- findBySecretKey(String secretKey)

UserRepo

- findByEmail(String email)
- findByEmailAndPassword(String email, String password)
- findBySecretKey(String secretKey)
- deleteCatFromFavorites(Integer catId)

ImageRepo

- findByName(String name)
- findByCatId(Integer catId)

CatRepo

- findByShelterId(Integer shelterId)

dto

AdminDTO

- id: Integer
- loginId: Integer
- secretKey: String
- shelterName: String
- shelterId: Integer

UserDTO

- id: Integer
- email: String
- secretKey: String
- favCatIds: Set<Integer>

CatDTO

- id: Integer
- name: String
- breed: Breed
- gender: Gender
- about: String
- age: Integer
- isIndoorCat: Boolean
- size: Size
- coatLength: CoatLength
- canLiveWith: CanLiveWith
- color: Color
- disease: String
- imageNames: Set<String>
- shelter: ShelterDTO
- dateAdded: LocalDate

ShelterDTO

- id: Integer
- name: String
- region: String
- address: String
- website: String
- email: String
- phone: String

model

Cat

- id: Integer
- name: String
- breed: Breed
- gender: Gender
- about: String
- age: Integer
- isIndoorCat: Boolean
- size: Size
- coatLength: CoatLength
- canLiveWith: CanLiveWith
- color: Color
- disease: String
- shelter: Shelter
- users: Set<User>
- images: Set<Image>
- dateAdded: LocalDate

Admin

- id: Integer
- loginId: Integer
- secretKey: String
- shelter: Shelter

Shelter

- id: Integer
- name: String
- region: Region
- address: String
- website: String
- email: String
- phone: String
- admin: Admin
- cats: Set<Cat>

Image

- id: Integer
- name: String
- cat: Cat

User

- id: Integer
- email: String
- password: String
- secretKey: String
- favCats: Set<Cat>