Category

+ id: int
+ name:String

Task

+ id: long
+ taskName: String
+ categories: List<Category>
+ organizations: List<Organization>
+ comment: String

TaskRepository

+ getTaskById(long id):Task
+ getAllTasks():List<Task>
+ getTasksByCategory(long categoryId):Task
+ getTasksByOrganization(int orgId):Task
+ create(Task):Task
+ save(Task):boolean
+ delete(Task):boolean

TaskBuilder

- task: Task

+ id(long id): TaskBuilder
+ name(String name): TaskBuilder
+ category(List<Categoy> categories): TaskBuilder
+ organization(List<Organization> organizations): TaskBuilder
+ comment(String comment): TaskBuilder
+ build(): Task

Organization

+ id: int
+ name:String

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<<Interface>>
TaskService

+ getTaskById(long id):Task
+ getAllTasks(): List<Task>
+ getTasksByCategory(long categoryId):Task
+ getTasksByOrganization(int orgId):Task
+ create(Task):Task
+ save(Task):boolean
+ delete(Task):boolean

TaskServiceImpl

- task: Task
- taskRepository: TaskRepository

+ getTaskById(long id):Task
+ getAllTasks():List<Task>
+ getTasksByCategory(long categoryId):Task
+ getTasksByOrganization(int orgId):Task
+ create(Task):Task
+ save(Task):boolean
+ delete(Task):boolean

TaskController

- taskService: TaskService

+ getTaskById(long id):Task
+ getAllTasks():List<Task>
+ getTasksByCategory(long categoryId):Task
+ getTasksByOrganization(int orgId):Task
+ create(Task):Task
+ save(Task):ResponseEntity<String>
+ delete(Task):ResponseEntity<String>

ConnectionSingleton

- instance: ConnectionSingleton
- monitor: Object

+ getInstance(): ConnectionSingleton

Релизует
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User

+ id:long
+ name:String
+ roles:List<Role>

<<Интерфейс>>
UserService

+ getUserById(long id):User
+ getUserByName(String name):User
+ getAllUsers: List<User>

UserServiceImpl

- user: User
- userRepository: UserRepository

+ getUserById(long id):User
+ getUserByName(String name):User
+ getAllUsers: List<User>

UserController

- userService: UserService

+ getUserById(long id):User
+ getUserByName(String name):User
+ getAllUsers: List<User>
+ create(User user): User
+ save(User user): ResponseEntity<String>
+ delete(User user): ResponseEntity<String>

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Role

+ id:int
+ name:String

UserRepository

+ getUserById(long id):User
+ getUserByName(String name):User
+ getAllUsers: List<User>