MyFitnessAppwithMVC Class Diagram

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index.html

Home Page

Main Controller

+ showHomePage()

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activity_form.html

Activity Form

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activities.html

Activity List

ActivityController

• service: ActivityService

+ showActivityList(Model model): String
+ showNewForm(Model model): String
+saveActivity(Activity activity, RedirectAttributes ra): String
+ showEditForm(Integer id, Model model, RedirectAttributes ra): String
+ deleteActivity(Integer id, Model model, RedirectAttributes ra): String

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ActivityService

- repo: ActivityRepository

+ listAll: List<Activity>
+ save(Activity activity): void
+ get(Integer id): Activity
+ delete(Integer id): void

<<interface>>
ActivityRespository

+ countById(Integer id): Long

<<interface>>
CrudRepository<Activity, Integer>

+save(Activity): Activity
+findAll(): Iterable<Activity>
+findById(Integer id): Optional<Activity>
+deleteByID(Integer id): void

Activity

- id: Integer
- activityName: String
- duration: Integer
- calories: Integer
- distance: Integer
- date: String

** Getters and Setters
+ toString: String

ActivityRepositoryTests

+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type

+ operation1(params):returnType
- operation2(params)
- operation3()