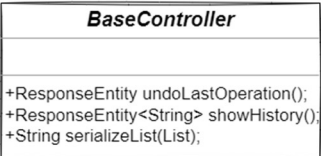
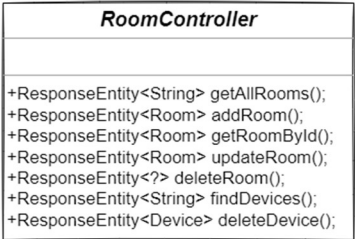
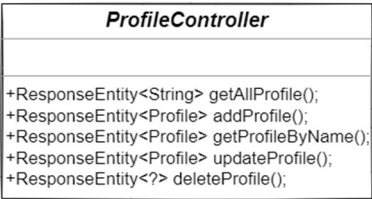
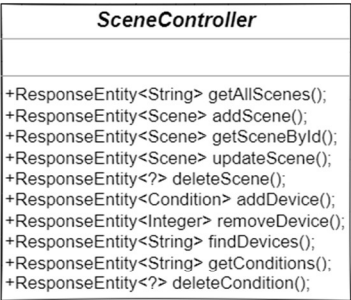
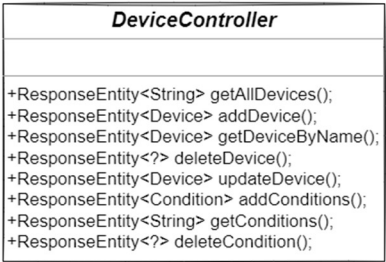
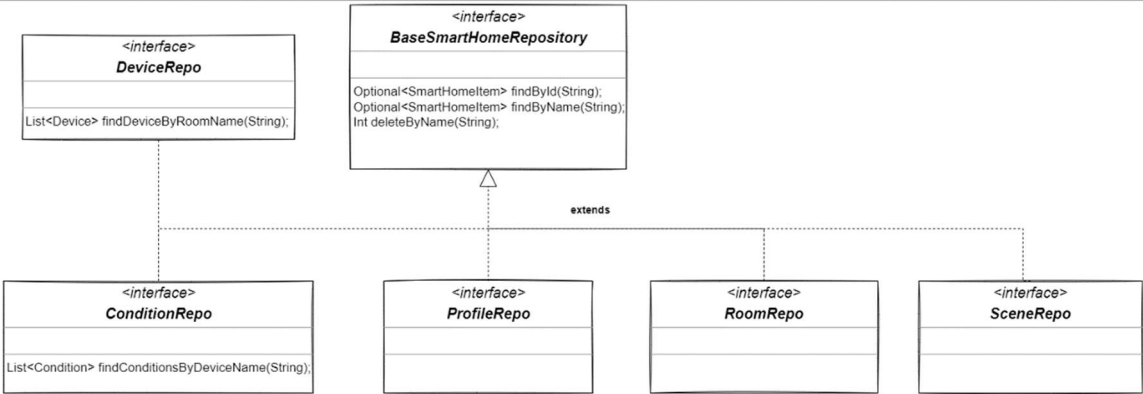


Controller



Repository



Service

DeviceService
-MementoCareTaker mementoCareTaker; -ConditionService conditionService; -DeviceRepo deviceRepo; -SceneRepo sceneRepo; -ConditionRepo conditionRepo; -RoomRepo roomRepo; +Device addDevice(JSONObject); +List<Device> findAllDevices(); +Device updateDevice(...); +Integer deleteDevice(String); ...

SceneService
-MementoCareTaker mementoCareTaker; -ConditionService conditionService; -SceneRepo sceneRepo; -ConditionRepo conditionRepo; -DeviceRepo deviceRepo; +Scene addScene(Scene); +List<Scene> findAllScene(); +Scene updateScene(...); +Integer deleteScene(String); ...

ProfileService
-MementoCareTaker mementoCareTaker; -ProfileRepo profileRepo; +Profile addProfile(Profile); +List<Profile> findAllProfile(); +Profile updateProfile(...); +Integer deleteProfile(String); ...

RoomService
-MementoCareTaker mementoCareTaker; -RoomRepo roomRepo; -DeviceRepo deviceRepo; +Room addRoom(Room); +List<Room> findAllRoom(); +Room updateRoom(...); +Integer deleteRoom(String); ...

ConditionService
-MementoCareTaker mementoCareTaker; -ConditionRepo conditionRepo; +Condition addCondition(Condition); +Condition findConditionByName(String); +Integer deleteCondition(String); ...

GenericService
-MementoCareTaker mementoCareTaker; +Integer undo(); +List<String> getHistory();

Beans

ActionExecutor
- EntityManager entityManager; + void execute(Device, Actions); - void executeSpeakerAction(Speaker, Actions); - void executeTelevisionAction(Television, Actions); - void executeLightBulbAction(Lightbulb, Actions); - void executeConditionerAction(Conditioner, Actions); - void executeAlarmClockAction(AlarmClock, Actions);

ConditionExecutor
- ConditionRepo conditionRepo; - ActionExecutor actionExecutor; - Random rand; + void run(); - Boolean controlExecute(Date, Integer, long); - void setRoutine(Condition, long, String);

SpringFoxConfig
+ Docket api (); + void addResourceHandlers (ResourceHandlerRegistry); - ApiInfo getApiInfo();

DataGenerator
- List<Profile> profiles; - List<Room> rooms; - List<Device> devices; - List<Scene> scenes; - List<Condition> conditions; - ProfileRepo profileRepo; - RoomRepo roomRepo; - DeviceRepo deviceRepo; - SceneRepo sceneRepo; - ConditionRepo conditionRepo; + List<Profile> generateProfiles(); + List<Room> generateRooms(); + List<Device> generateDevices(); + List<Scene> generateScenes(); + List<Condition> generateConditions(); + CommandLineRunner insertData();