Operations documentation:

(see below the structure of Student as Item)

createCourse:

Invoked by : ItemJpa.createItem where itemType must be “Course” and itemName must be the “CourseCode” (as a string)

Register to a Course:

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "registerToCourse",

"item":{

"itemId":{

"space":"2021b.iftach.avraham",

"id": regular itemId

}

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

“Type” : “Student”/”Lecturer”,

“Id: student mail as String e.g. “student@demo.com”

}

}

Resign from a Course:

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "resignFromCourse",

"item":{

"itemId":{

"space":"2021b.iftach.avraham",

"id": regular itemId

}

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

“Type” : “Student”/”lecturer”,

“Id: student mail as String e.g. “student@demo.com”

}

}

Remove Course:

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "removeCourse",

"item":{

"itemId":{

"space":"2021b.iftach.avraham",

"id": regular itemId

}

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

“Type” : ”Staff”,

}

}

Update Grade:

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "updateGrade",

"item":{

"itemId":{

"space":"2021b.iftach.avraham",

"id": regular itemId

}

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

“Type” : “Lecturer”,

“Id: student mail as String e.g. “student@demo.com”

“Grade” : grade as a string

}

}

getRegisteredCourses: (get all the courses a student is registered to)

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "getRegisteredCourses",

"item":{

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

“Id: student mail as String e.g. “student@demo.com”

}

}

getAllCourses:

{

"operationId":{

"space":"2021b.iftach.avraham",

"id":"451"

},

"type": "getAllCourses",

"Item {

},

"createdTimestamp": "2021-03-07T09:57:13.109+0000",

"invokedBy":{

"userId":{

"space":"2021b.iftach.avraham",

"email":"user3@demo.com"

}

},

"operationAttributes":{

}

}

“Student” as item structure:

ItemBoundary sample JSON (Student)

{

"itemId":{

"space":"2021b.twins",

"id":"99"

},

"type": "Student",

"Name": student mail as a string,

"active": true,

"createdTimestamp":"2021-03-07T09:55:05.248+0000",

"createdBy":{

"userId":{

"space":"2021b.twins",

"email":"[user2@demo.com](mailto:user2@demo.com)"

}

},

"location":{

"lat":32.115139,

"lng":34.817804

},

"itemAttributes":{

“Student” : Student.getEmailAndSpace

“Grade”: 80

}

}

“Lecturer” as item structure:

ItemBoundary sample JSON (Student)

{

"itemId":{

"space":"2021b.twins",

"id":"99"

},

"type": "Lecturer",

"Name": Lecturer mail as a string,

"active": true,

"createdTimestamp":"2021-03-07T09:55:05.248+0000",

"createdBy":{

"userId":{

"space":"2021b.twins",

"email":"[user2@demo.com](mailto:user2@demo.com)"

}

},

"location":{

"lat":32.115139,

"lng":34.817804

},

"itemAttributes":{

“Lecturer” : Lecturer.getEmailAndSpace

}

}

“Course” as item structure:

{

"itemId":{

"space":"2021b.twins",

"id":"99"

},

"type":"Course",

"Name":"123 ",(course number)

"active":true,

"createdTimestamp":"2021-03-07T09:55:05.248+0000",

"createdBy":{

"userId":{

"space":"2021b.twins",

"email":"user2@demo.com"

}

},

"location":{

"lat":32.115139,

"lng":34.817804

},

"itemAttributes":{

}

}