JSON File Template, Watch app

Hi everyone,

Please find attached the JS files used to convert existing training sessions into json file (mongodb version of that).

[you will need to rename the files back to .js]

sessions.js was one of the route files;

the other files were mongodb modules.

You can use these files as references to come up with a similar JSON template.

It doesnt need to be exactly the same but similar enough to make sure we are not missing data.

Personally, I think the design of this JSON template is part of the scope/investigation that should be performed by Garmin Watch's teams. They should define and develop the template as they have a clearer understanding about the watches.

This template I'm sharing here was designed to display data on CM website and may not be entirely suitable for this project.

I believe this is something the teams this year should be a lot more confident to design than the previous ones as they know exactly what can be displayed on the watches (and how to do that). My 0.02 cents suggestion to students: use these files as guidelines to create and validate your own templates. What do you need to display on the watch? Consider the 'workout' data that can be submitted to the watch and format that in a way you can display that easily. This task shouldn't take them much time to complete. IMO, they should break this template into more attributes/smaller parts.

The schema for the previous model can be found on module-session.js:

SessionModelSchema = new Schema({

     session\_id: {type: String, required: true},

     date: {type: Date, required: false},

    club\_id: {type: Number, required: false},

     title: {type: String, required: false},

     unit: {type: String, required: false},

     distance: {type: Number, required: false},

     hour: {type: Number, required: false},

     minute: {type: Number, required: false},

     family\_name: {type: String, required: false},

     level: {type: String, required: false},

     keywords: {type: [String], required: false},

    activity\_type\_id: {type: String, required: false},

     activity\_type: {type: String, required: false},

    add\_time: {type: Date, required: false},

    rpe\_load: {type: Number, required: false},

    image: {type: String, required: false},

     videos: {type: [String], required: false},

    exercise\_type: {type: String, required: false},

     rpe: {type: String, required: false},

     added\_by: {type: String, required: false},

     components: {type: [String], required: false},

    perceived\_efforts: {type: String, required: false},

     exercises: {type: [String], required: false},

     sport\_keywords: {type: [String], required: false},

     description: {type:Object}

});

I hope this helps.

Stay safe.

Best,

**Dr Eduardo Araujo Oliveira | Lecturer in Software Engineering**

[**Master of IT Distributed Computing Coordinator**](https://handbook.unimelb.edu.au/2020/components/mc-it-spec-2)

I had to rename the files to .eao (my initials) because they're javascript files and our Uni server block them.

I explain this to students in the email.

these files should convert training descriptions from db to json files (I believe that's what students need).

**Dr Eduardo Araujo Oliveira**(he/him)**| Lecturer in Software Engineering**

[**Master of IT Distributed Computing Coordinator**](https://handbook.unimelb.edu.au/2020/components/mc-it-spec-2)

Hi students,

Please have a look at this code repository: <https://github.com/mgifos/quick-plan>

As expected, the workout notation is different from what was developed by 2019 team.

Again, I believe this is part of the scope of your project (designing the workout in a way you can submit it to the watches and display it).

I hope this helps.

Best,

**Dr Eduardo Araujo Oliveira | Lecturer in Software Engineering**

[**Master of IT Distributed Computing Coordinator**](https://handbook.unimelb.edu.au/2020/components/mc-it-spec-2)

Sorry for sending you so many emails.

The spreadsheet for the example I shared in my previous email can be found here: <https://docs.google.com/spreadsheets/d/1b1ZzrAFrjd-kvPq11zlbE2bWn2IQmUy0lBqIOFjqbwk/edit#gid=0>

You need to translate the current notation used in CM to one that can be used by Garmin (as per example I shared with you).

Best,

**Dr Eduardo Araujo Oliveira | Lecturer in Software Engineering**