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CS355

Project 2 Report

Preface:

As my database was rightly massive, I only built out the minimum required to fulfill the project’s quota. This was due to tight time constraints and commitments to other classes. Thank you for being understanding.

User: (UserController.js)

**users:** *curl* [*http://localhost:8015/api/user/*](http://localhost:8015/api/user/)

Returns a list of all users in the database

**user:** *curl* [*http://localhost:8015/api/user/10*](http://localhost:8015/api/user/10)

Returns a single specified user, supply user ID in the URL

**addUser:** *curl -X POST -H 'Content-Type: application/json' -d '{"email":"test321@test.com","username":"altTest","fname":"teste","lname":"tested"}'* [*http://localhost:8015/api/user/*](http://localhost:8015/api/user/)

Adds a new user to the database. You must provide an email, username, fname, and lname; the user ID will be autogenerated by the database.

**updateUser:** *curl -X PUT -H 'Content-Type: application/json' -d '{"email":"test123@test.com","username":"testman","fname":"test","lname":"tester"}'* [*http://localhost:8015/api/user/10*](http://localhost:8015/api/user/10)

Allows for the modification of existing entries in the database. You must provide the ID of the user you wish to modify in the URL

**deleteUser:** *curl -X DELETE* [*http://localhost:8015/apu/user/11*](http://localhost:8015/apu/user/11)

Allows for the deletion of a user in the database. You must provide the ID of the user you wish to delete.

Build: (BuildController.js)

**builds:** [*http://localhost:8015/api/build/*](http://localhost:8015/api/build/)

Returns a list of all the builds in the database

**build:** *curl* [*http://localhost:8015/api/build/Server%20Build/1*](http://localhost:8015/api/build/Server%20Build/1)

Returns a single build. Include in URL build name followed by user ID.

**defaultBuild:** *curl* [*http://localhost:8015/api/build/meb*](http://localhost:8015/api/build/meb)

Calls a view that displays the name and price of the most expensive build.

**addBuild:** *curl -X POST -H 'Content-Type: application/json' -d '{"bname":"test","ID":"1","motherboard\_name":"GAMING PRO CARBON","motherboard\_brand":"MSI","psu\_name":"RM","psu\_brand":"Corsair","psu\_wattage":"750","psu\_efficiency":"80+ Gold","ram\_name":"Trident Z","ram\_brand":"G.Skill","ram\_frequency":"3200","ram\_capacity":"32","ram\_type":"DDR4 288-pin DIMM","case\_name":"H500","case\_brand":"Cooler Master","cpu\_name":"Ryzen 7 2700X","cpu\_brand":"AMD","cooler\_name":"CLC 280","cooler\_brand":"EVGA"}' http://localhost:8015/api/build/*

Adds a new build to the database.

**updateBuild:** *curl -X PUT -H 'Content-Type: application/json' -d '{"motherboard\_name":"GAMING PRO CARBON","motherboard\_brand":"MSI","psu\_name":"RM","psu\_brand":"Corsair","psu\_wattage":"750","psu\_efficiency":"80+ Gold","ram\_name":"Trident Z","ram\_brand":"G.Skill","ram\_frequency":"3200","ram\_capacity":"32","ram\_type":"DDR4 288-pin DIMM","case\_name":"Enthoo Luxe","case\_brand":"Phanteks","cpu\_name":"Ryzen 7 3700X","cpu\_brand":"AMD","cooler\_name":"CLC 280","cooler\_brand":"EVGA"}'* [*http://localhost:8015/api/build/test/1*](http://localhost:8015/api/build/test/1)

Updates a build in the database. Supply build name and user ID in the url.

**deleteBuild:** *curl -X DELETE* [*http://localhost/api/build/test/1*](http://localhost/api/build/test/1)

Deletes a build in the server. Supply build name and user ID in URL.

CPU: (CPUController.js)

**cpus:** [*http://localhost:8015/api/cpu/*](http://localhost:8015/api/cpu/)

Returns a list of all the cpus in the database.

**cpu:** *curl* [*http://localhost:8015/cpu/AMD/Ryzen%209%203950X/*](http://localhost:8015/cpu/AMD/Ryzen%209%203950X/)

Returns a single specified cpu. Supply brand name and cpu name in URL.

**addCPU:** *curl -X POST -H 'Content-Type: application/json' -d '{"model":"Ryzen 7 3700X","brand":"AMD","socket\_":"AM4","frequency":"3600","SMT":"Yes","cores":"8","threads":"16","max\_memory":"128","power\_draw":"90","price":"350"}'* [*http://localhost:8015/api/cpu/*](http://localhost:8015/api/cpu/)

Adds a new cpu to the database.

**updateCPU:** *curl -X PUT -H 'Content-Type: application/json' -d '{"socket\_":"AM4","frequency":"3600","SMT":"Yes","cores":"8","threads":"16","max\_memory":"128","power\_draw":"90","price":"320"}'* [*http://localhost:8015/api/cpu/AMD/Ryzen%207%203700X/*](http://localhost:8015/api/cpu/AMD/Ryzen%207%203700X/)

Updates a cpu within the table. Supply brand name and cpu name in the URL.

**deleteCPU:** *curl -X DELETE* [*http://localhost:8015/api/cpu/AMD/Ryzen%207%203700X/*](http://localhost:8015/api/cpu/AMD/Ryzen%207%203700X/)

Deletes a cpu from the database. Supply brand name and cpu name in URL.

Case: (CaseController.js)

**cases:** [*http://localhost:8015/api/case*](http://localhost:8015/api/case)

Return a list of all the cases in the database

**case:** *curl* [*http://localhost:8015/api/case/testBrand/test*](http://localhost:8015/api/case/testBrand/test)

Returns a single specified case. Supply case brand and case name in URL.

**addCase:** *curl -X POST -H 'Content-Type: application/json' -d '{"model":"test","brand":"testBrand","length":"500","width":"500","height":"500","form\_factor":"Full","gpu\_clearance":"500","rad\_clearance":"360","price":"100000"}'* [*http://localhost:8015/api/case*](http://localhost:8015/api/case)

Add a new case to the database.

**updateCase:** *curl -X PUT -H 'Content-Type:application/json' -d '{"length":"250","width":"250","height":"250","form\_factor":"Mid","gpu\_clearance":"200","rad\_clearance":"120","price":"999"}'* [*http://localhost:8015/api/case/testBrand/test*](http://localhost:8015/api/case/testBrand/test)

Modifies an existing entry in the database. Supply case brand and name in the URL.

**deleteCase:** *curl -X DELETE* [*http://localhost:8015/api/case/testBrand/test*](http://localhost:8015/api/case/testBrand/test)

Deletes an item within the database. Supply case brand and name in the URL.

Cooler: (CoolerController.js)

**coolers:** [*http://localhost:8015/api/cooler*](http://localhost:8015/api/cooler)

Returns a list of all the coolers in the database

**cooler:** *curl* [*http://localhost:8015/api/cooler/Testers/notATest*](http://localhost:8015/api/cooler/Testers/notATest)

Returns a single specified cooler. Supply cooler brand and name in URL.

**addCooler:** *curl -X POST -H 'Content-Type: application/json' -d '{"model":"notATest","brand":"Testers","type\_":"Water","rad\_size":"120","power\_draw":"10","price":"30"}'* [*http://localhost:8015/api/cooler*](http://localhost:8015/api/cooler)

Add a new cooler to the database.

**updateCooler: c***url -X PUT -H 'Content-Type: application/json' -d '{"type\_":"Water","rad\_size":"360","power\_draw":"451","price":"451"}'* [*http://localhost:8015/api/cooler/Testers/notATest*](http://localhost:8015/api/cooler/Testers/notATest)

Modifies an existing cooler in the database. Supply cooler brand and name in URL.

**deleteCooler:** *curl -X DELETE* [*http://localhost:8015/api/cooler/Testers/notATest*](http://localhost:8015/api/cooler/Testers/notATest)

Deletes a cooler within the database. Supply cooler brand and name in URL.