

Re-Design: Service Layer Design

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Summary

This document has been updated to show the User creation, login and deletion endpoints. Along with this is changes to how the Unit Table is display and sorted on the front end. Instead of previously doing the sorting from the backend and returning the array of table objects to the front end, all the data returned initially and the sorting of the table will be done on the front end in order to handle the n clients that may utilize the table.

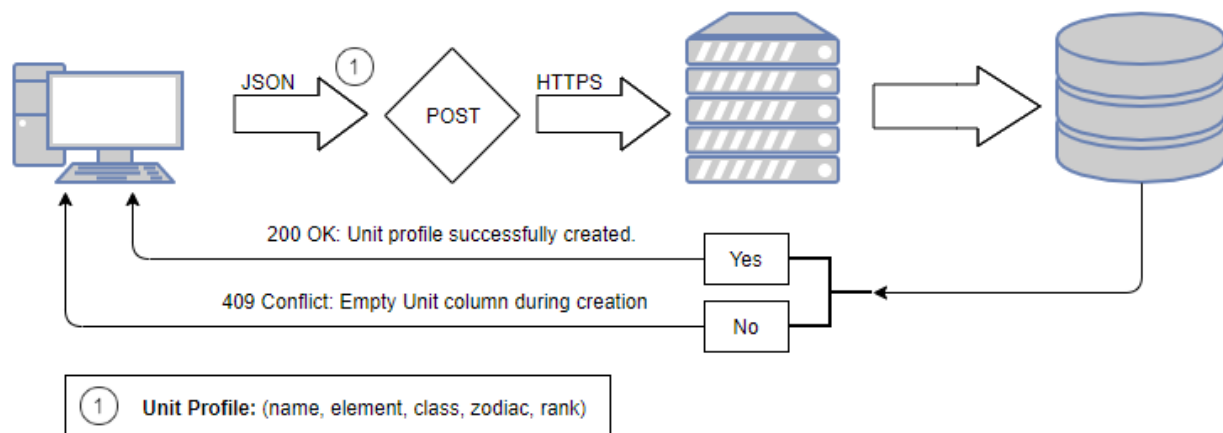
Services Endpoints

Insert Unit Endpoint

Admin access only – Create a new Unit in database – POST

200 OK – 409 Conflict

This endpoint is for the admin only. Using HTTPS POST request, the admin can create a new Unit profile and send it to the server. The server will respond with a *200 OK* message that the new Unit profile has been added to the Units Table. If the Unit post can fail and the server will respond with a *409 Conflict* message.

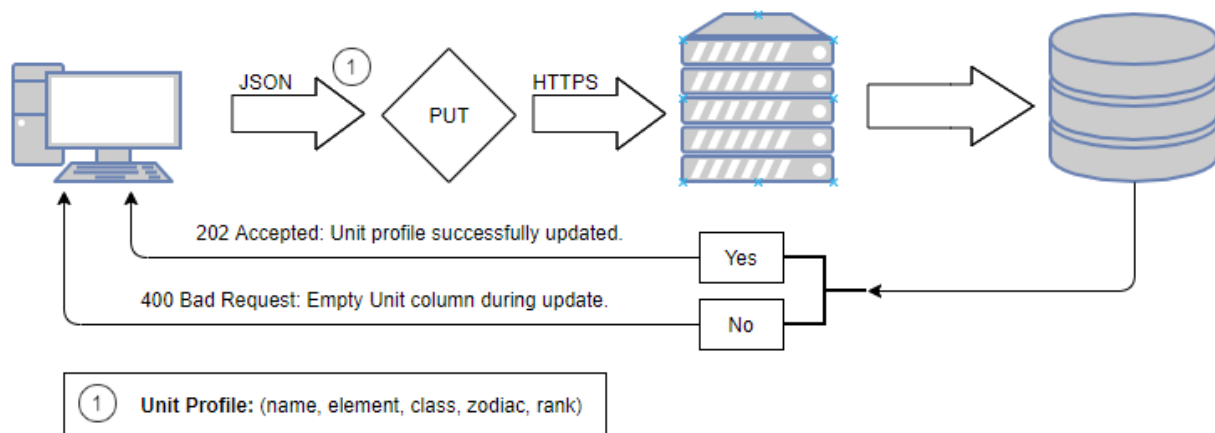


Update Unit Endpoint

Admin access only – Update a current Unit in database – PUT

202 Accepted – 400 Bad Request

This endpoint is for the admin only. Using HTTPS PUT request, the admin can update a current Unit's profile column and send it to the server. The database does not allow null columns so if the update was successful, the server will return with a *202 Accepted* message that will state the specified Unit's update has been successful. If there are null values, the server will respond with a *400 Bad Request* update failed message.

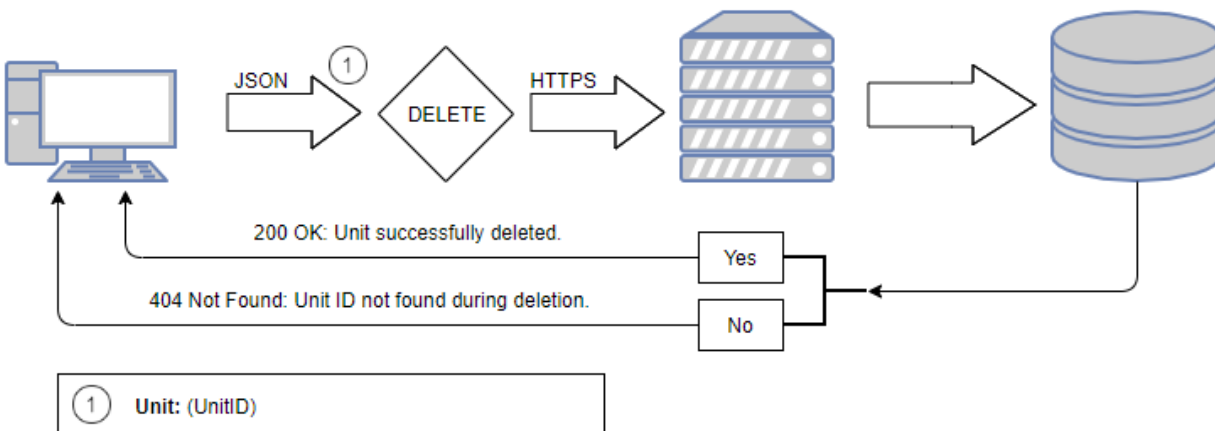


Delete Unit Endpoint

Admin access only – Delete a current Unit in database – DELETE

200 Ok – 404 Not Found

This endpoint is for the admin only. Using HTTPS DELETE request, the admin can delete a current Unit's profile from the database by Unit ID. If the delete was successful, the server will respond with a *200 OK* message. If the operation fails, the server will respond with a *404 Not Found* message stating the Unit ID is not found.

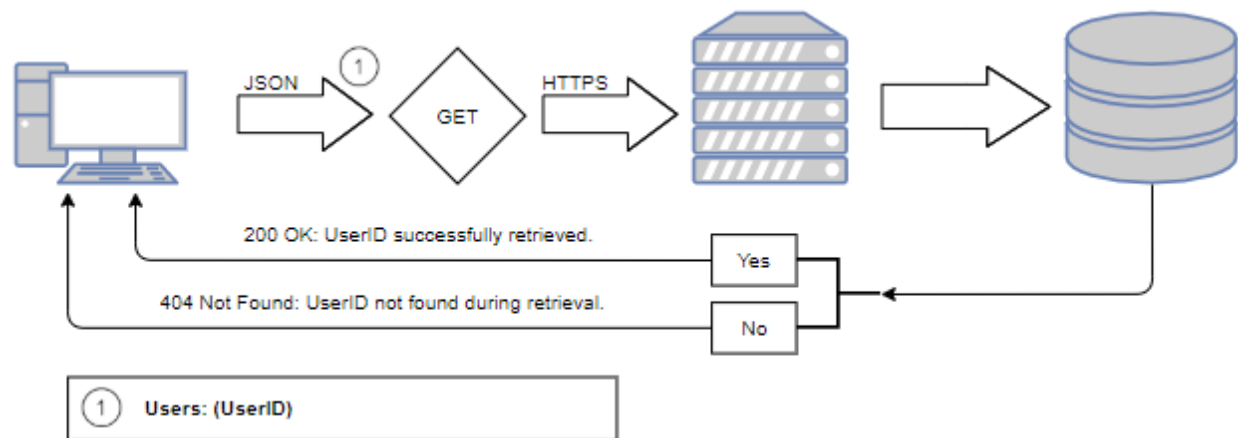


Login Service Endpoint

Admin login only – Creates a new Unit in database – POST

200 OK – 404 Not Found

This endpoint is for the admin login only. Using HTTPS GET request, the user with an account can login to their accounts to make changes to the Unit database. Server will receive the request, look through the database and if it finds the UserID request, it will respond with a *200 OK* message, otherwise, a *404 Not Found* will be returned.

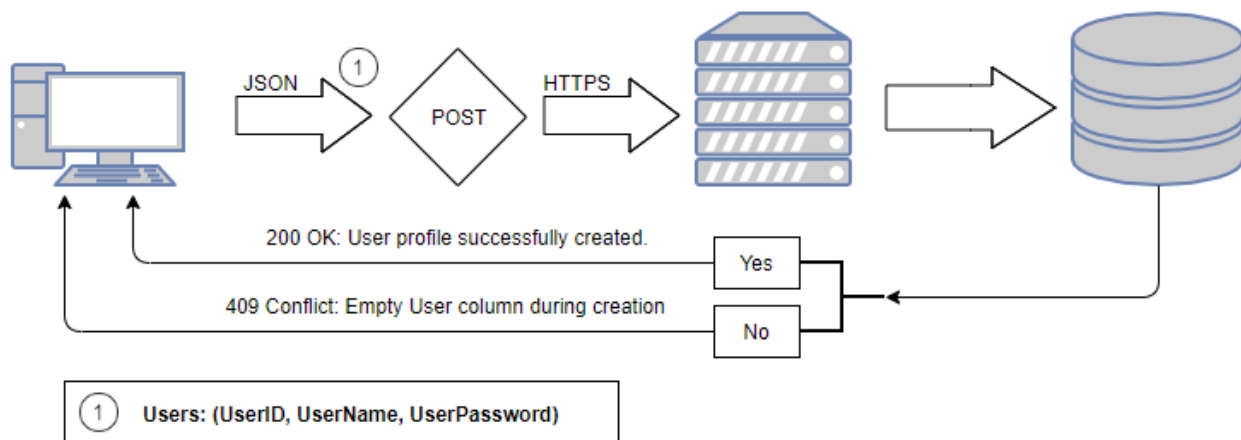


Create User Endpoint

Admin access only – Update a current Unit in database – PUT

202 Accepted – 409 Conflict

This endpoint is for the creation of User profiles. Using HTTPS POST request, the user from the client side can sign up for an account with their email, username and password. They will be assigned the admin role. If the creation was successful, the server will return with a *200 Ok* message that will state the specified User's profile creation has been successful. If there are null values, the server will respond with a *409 Conflict* message.

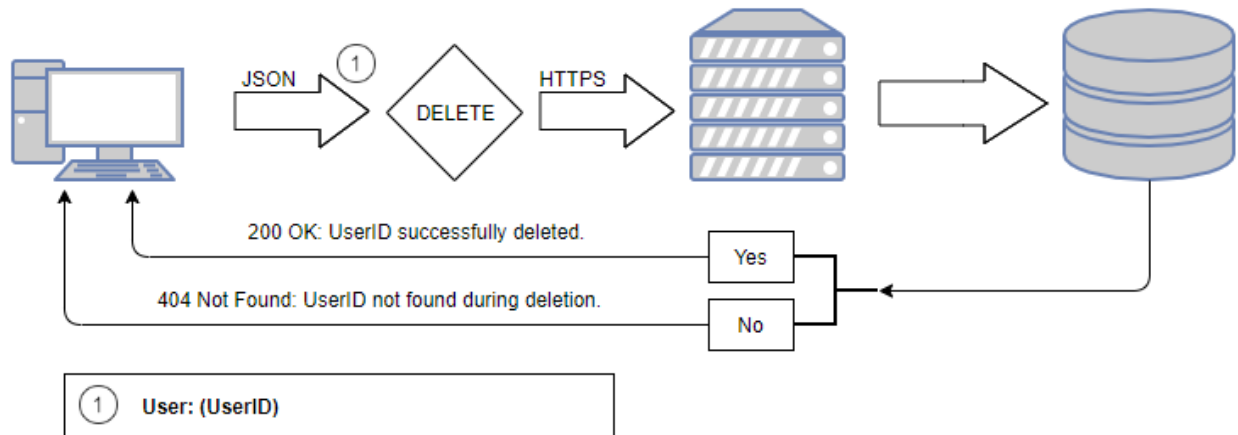


Delete User Endpoint

Admin access only – Delete a current Unit in database – DELETE

200 OK – 404 Not Found

This endpoint is for the admin only. Using HTTPS DELETE request, the admin can delete a current User profile from the database by UserID. If the delete was successful, the server will respond with a *200 OK* message. If the operation fails, the server will respond with a *404 Not Found* message stating the UserID is not found.



Displaying Units on Sortable Table

All access – Get multiple Unit information from database by Unit Ranks – GET

200 OK

This endpoint will retrieve all the UnitID and populate a Units Table on the front-end for users to utilize. Once the page is accessed, an HTTP GET request from the client will be requested to the server to return all the UnitIDs. The server will reply with a *200 OK* once the request is fulfilled successfully. User's on the front end will be able to sort the displayed table and thus alleviating the stress on the server.

