HTTP METHOD (PUT & DELETE)

HTTP Methods
$\begin{cases} \text{for Update} \longrightarrow \text{PUT} \\ \text{for Retrieve} \longrightarrow \text{GET} \\ \text{for create} \longrightarrow \text{POST} \\ \text{for delete} \longrightarrow \text{DELETE} \end{cases}$

1. PUT (Update/Replace)

The PUT method is used to send data to a server to create or update a resource at specific URL

- Behavior: it replaces the entire target resource with new data provided in the request body. if the resource doesn't exist, it create it.

- idempotency: PUT is idempotent, meaning if you send the exact same request multiple times, the result on the server remains the same as the first successful request.

2. DELETE (Remove)

The DELETE method is used to remove a specific resource identified by a URL.

- Behavior: Once a DELETE request is successful, the resource is gone. subsequent requests for that same URL will typically return 404 Not Found or 410 Gone error.

- Idempotency: Like PUT, DELETE is also idempotent. even if the resource is already gone, calling DELETE again won't change the state of the server further (it stays deleted).