

## Web Application Framework (WAF) – Fall 2024

### Lab Task 2 (1<sup>st</sup> and 8<sup>th</sup> November 2024)

Your task is to generate a .json file from [www.mockaroo.com](http://www.mockaroo.com) containing at least data of 5000 users. Add a new field of ORGANIZATION before generation of fake data. Create the following routes to separate users based on the given IP address of any user:

/api/users/A  
/api/users/B  
/api/users/C  
/api/users/D  
/api/users/E

You can use fs modules to write to files and then later using these files to send a json response. The second part of your task is to create the following REST APIs

GET /api/users  
GET /api/users/:id  
GET /api/users/:name

POST /api/users

PATCH /api/users/:id

DELETE /api/users/:id

Test your routes and REST APIs on POSTMAN. Your code should be able to perform the following tasks:

- (i) Your program should delete all users having Class E IP addresses.
- (ii) Your program should update the organization of users having Class D IP addresses to QAU.
- (iii) Your program should insert some new instances saved in a newly generated .json file.
- (iv) Your program should be able to get all users having Class C IP addresses.
- (v) Your program should be able to get all users.
- (vi) Your program should be able to get users by name.