Postman API Test Run Report (Task - 2)

Test Collection : https://www.postman.com/chemuru/my-workspace

Execution Summary

Field	Value
Collection Name	TCD's
Total Passed	35
Total Failed	7
Total Time (ms)	6465
Status	Finished

Detailed Test Results

Endpoint	Method	Response Code	Time (ms)	Passed Tests	Failed Tests
/api/users?page=1	GET	200 OK	151	3	0
/api/users/{id}	GET	200 OK	138	3	0
/api/users	POST	201 Created	348	3	0

/api/users/{id}	PUT	200 OK	338	2	0
/api/users/{id}	DELETE	204 No Content	334	2	0
/api/register	POST	200 OK	330	1	1
/api/login	POST	200 OK	412	1	1
/api/users/999	GET	404 Not Found	506	1	0
/api/users	POST	201 Created	296	0	1
/users?page=-1	GET	200 OK	131	0	1
/api/users?page=2000	GET	200 OK	124	0	1
/api/register	POST	400 Bad Request	337	2	0
/api/login	POST	400 Bad Request	327	2	0

Issues Found

Validation Gaps

API allows creation of users with empty strings for `name` and `job`.

No strong validation for input length (very long strings are accepted).

Delete Behavior

`DELETE /users/{id}` always returns `204 No Content`, but it does not confirm whether the user actually existed.

Error Handling

Some negative scenarios return generic error messages (e.g., missing password during registration).

Not all endpoints provide consistent error formats.

Authentication

This APIs are open and do not require authentication

Recommendations

1. **Input Validation**

   - Enforce stricter rules on required fields (`name`, `job`, `email`).

   - Implement constraints for minimum/maximum string length.

   - Prevent acceptance of blank or duplicate values.

2. **Delete Confirmation**

- Modify the DELETE endpoint to return a confirmation message or object showing the deleted user ID.