ASSIGNMENT 7 — API TESTING REPORT

System Under Test: Reqres API
Tool: Postman
Testing Type: API Testing + BDD

1. API Test Cases

1.1 Positive Test Cases

TC ID	Method	Endpoint	Description	Expected Result
TC-01	GET	/users?page=2	Get users list	200 OK
TC-02	GET	/users/2	Get single user	200 OK
TC-03	POST	/users	Create user	201 Created
TC-04	PUT	/users/2	Update user	200 OK
TC-05	PATCH	/users/2	Partial update	200 OK
TC-06	DELETE	/users/2	Delete user	204 No Content
TC-07	POST	/register	Register user	200 OK
TC-08	POST	/login	Login user	200 OK

1.2 Negative Test Cases

TC ID	Method	Endpoint	Description	Expected Result
TC-09	POST	/register	Missing password	400 Bad Request
TC-10	POST	/login	Missing email	400 Bad Request
TC-11	GET	/users/999	User not found	404 Not Found
TC-12	GET	/wrongendpoint	Invalid endpoint	404 Not Found
TC-13	PUT	/users	Unsupported HTTP method	404 / 405
TC-14	POST	/users	Invalid data types	201 (validated response)
TC-15	POST	/users	Missing Information	400

TC-09, TC-10, TC-12, TC-14, TC-15 Successfully passed, because ReqRes is a mock API without validation, but expected to be failed.

1.3 Edge & Boundary Test Cases

TC ID	Method	Endpoint	Description	Expected Result
TC-16	POST	/users	Empty payload	201 Created
TC-17	POST	/users	Large payload	201 Created
TC-18	POST	/users	Special characters	201 Created
TC-19	GET	/users?page=999	Boundary page	200 OK
TC-20	GET	/users	Rate limit simulation	200 OK

2. BDD

BDD testing was implemented using Gherkin syntax. Three feature files were created containing 11 scenarios. Each scenario follows the Given/When/Then structure and is based on previously designed API test cases.