Automation Engineer Proficiency Exercise
(API AUTOMATION TEST)

Overview :

The purpose of this exercise is to assess the candidate automation developer's technical proficiency, coding knowledge and style. The exercise involves building a basic automation framework for API automation. The exercise will be evaluated on coding style, understanding of programming concepts, choice of techniques and quality of the final product.

Specification :

- Create an API automation framework which contains IT Industry standards coding style.
- You can automate these endpoints using any of the automation tools(like Rest assured, Karate preferable) in any of the programming languages.
- Baseurl :- https://reqres.in

Description	Request Type	Endpoints	Request Body (Payload)	Expected Response Code
LIST USERS	GET	/api/users?page=2	Not Applicable	200
LIST <RESOURCE>	GET	/api/unknown	Not Applicable	200
CREATE	POST	/api/users	{"name": "morpheus", "job": "leader"}	201
UPDATE	PUT	/api/users/2	{ "name": "morpheus", "job": "zion resident" }	200
UPDATE	PATCH	/api/users/2	{	200

			"name": "morpheus", "job": "zion resident" }	
DELETE	DELETE	/api/users/2	Not Applicable	204

REGISTER - SUCCESSFUL	POST	/api/register	{
			    "email": "eve.holt@reqres.in",
			
			"password": "pistol"
			
			}
				200

REGISTER - UNSUCCESSFUL	POST	/api/register	{
			    "email": "sydney@fife"
			
			}
				400

LOGIN SUCCESSFUL	POST	/api/login	{ "email": "eve.holt@reqres.in", "password": "cityslicka"}	200
LOGIN UNSUCCESSFUL	POST	/api/login	{"email": "peter@klaven" }	400

Note:-

Make use of best practices for the framework like POJO. All test scenarios should be independently tested. Try to assert things in every scenario wherever it is possible like asserting content type, Response code, Response Body(At least two parameters)etc.

Additional Guidelines:-

1. Comment your code where necessary.
2. Polish your code as much as possible - we expect professional, production quality code.
3. Please commit your code on git and share the url.