

This test aims to check your API gateway & lambda skills.

You can install any npm package you want.

1. Create a **Cognito** user pool to handle user registration and authentication.
2. Create a **Lambda** function to handle user registration and add the newly registered user to a **DynamoDB** table.  
Make sure you save all fields in DDB and Cognito also.

Allowed fields:

**First name** - no more than 20 letters

**Last Name** - no more than 20 letters

**ID** - a valid Israeli ID

**Phone Number** - a valid phone number

**Password** - minimum 6 letters

- All fields are required.
- If the user sends any wrong data > return 400 HTTP response.
- If success > return 201 and the ID from DDB.

## **POST**

**/user**

3. Create another Lambda function to handle user login, which should check the user's credentials against the user pool and return a JSON web token (JWT) if the credentials are valid.

## **POST**

**user/login**

4. Create a Lambda function to handle authorized requests, which should check for a valid JWT in the request headers before allowing the request to proceed and update user data.

## **PUT**

**/user**

5. Create a Lambda function to handle authorized requests, which should check for a valid JWT in the request headers before allowing the request to proceed and read user data.

## **GET**

**user/ id**

6. Create a getting user by ID Lambda function.
7. Supply a postman collection with your code.

Good luck!