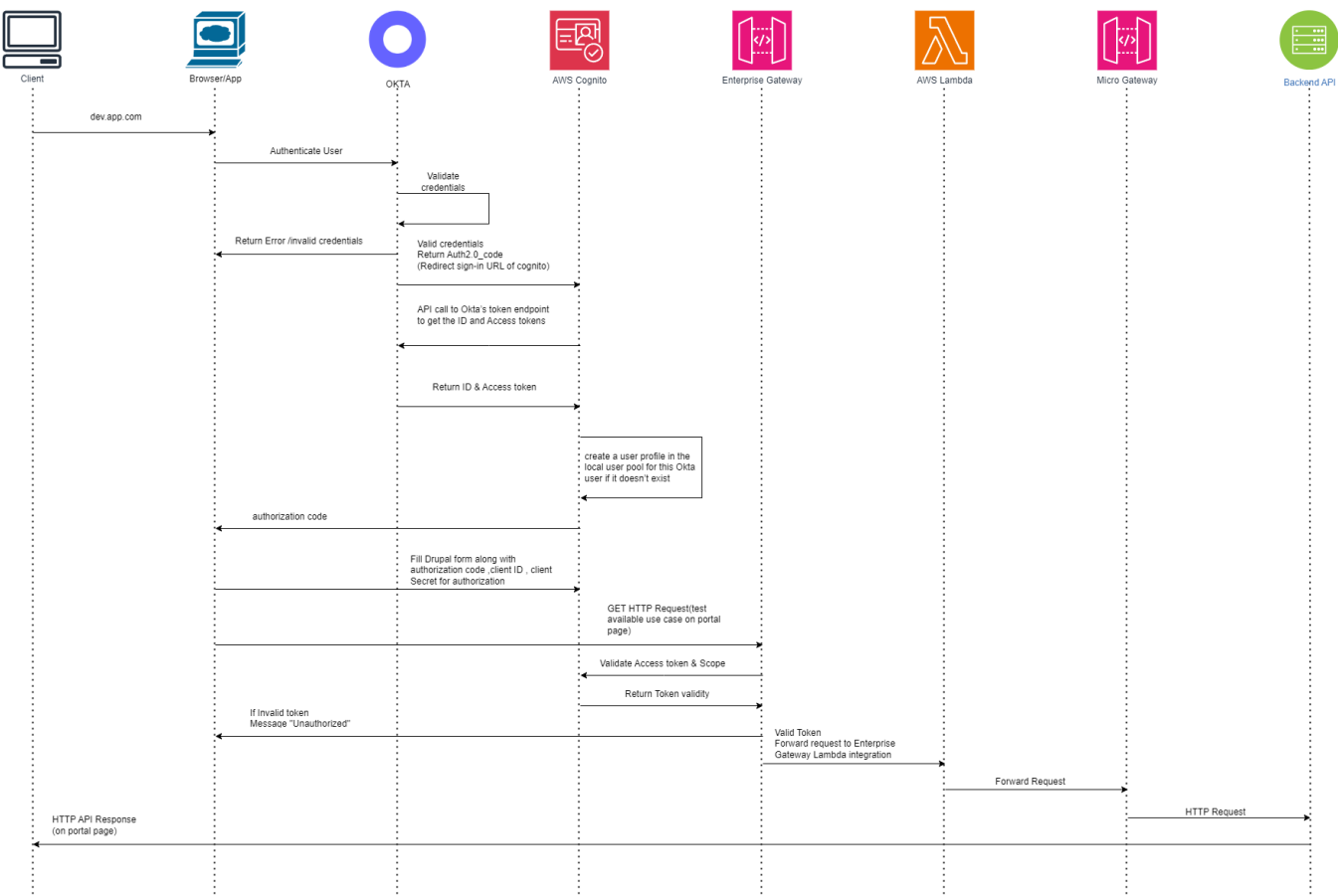


# WF-05: B2C (Business to Consumer) - Okta integration with AWS Cognito and AWS Dynamo DB

## Component Diagram



## Flow Diagram

The diagram illustrates an AWS Cognito OAuth2 authorization server architecture. The flow is as follows:

1. Access client application (Create/Access User)
2. Authenticate User
3. Validate credentials locally
4. (Implicit step: User provides credentials)
5. Return authorization code
6. Get token using authorization code
7. Return ID, Access token
8. User is created in Cognito user pool & pre-sign-up Lambda triggers
9. User Details are stored in Dynamo DB table (clientId : AWS APP client id, Email : OKTA register user email, given\_name: mapped with OKTA family\_name, mapped with OKTA userName: AWS user name which is created in Cognito when OKTA OIDC handshake happens with AWS Cognito)
10. Return Authorization code
11. Get ID and JWT access & refresh token
12. Invoke API
13. Validate Access token as scope
14. Return token validity
15. Return 401 if invalid token or scope not matching
16. API Gateway integrated with Lambda function
17. Lambda function forward traffic to REST API End point URL
18. Success code :200 with response or failed code 500 with Error calling the API
19. Success code :200 with response or Message "Unauthorized"
20. Valid: :200 Response with data, Invalid: Return 400/Unauthorized

Components involved:

- Users
- Browser
- OKTA
- AWS Cognito
- AWS Cognito Build-in JWT Authorizer
- AWS API Gateway
- Lambda Function
- REST API
- AWS Dynamo DB
- Lambda