

Reflection

Reflection

During this assignment, I built a simple serverless CRUD application using AWS Lambda, DynamoDB, and API Gateway. I set up a StudentRecords table with student_id as the primary key and wrote Lambda code to support POST, GET, PUT, and DELETE operations.

At first, I struggled with IAM permissions and CORS errors, but I fixed these by attaching the AmazonDynamoDBFullAccess policy to my Lambda role and enabling CORS on the /students resource in API Gateway. I tested my API with curl commands and was able to see the data correctly created, retrieved, updated, and deleted in DynamoDB.

Through this process, I learned how AWS services connect to build scalable applications without needing to manage servers. I also gained experience debugging with CloudWatch logs and understanding how requests flow through API Gateway to Lambda and DynamoDB.