import { DynamoDBClient } from "@aws-sdk/client-dynamodb";

import {

DynamoDBDocumentClient,

ScanCommand,

PutCommand,

GetCommand,

DeleteCommand,

} from "@aws-sdk/lib-dynamodb";

const client = new DynamoDBClient({});

const dynamo = DynamoDBDocumentClient.from(client);

const tableName = "students\_grade\_sheet";

export const handler = async (event, context) => {

let body;

let statusCode = 200;

const headers = {

"Content-Type": "application/json",

};

try {

switch (event.routeKey) {

case "DELETE /items/{id}":

await dynamo.send(

new DeleteCommand({

TableName: tableName,

Key: {

id: event.pathParameters.id,

},

})

);

body = `Deleted item ${event.pathParameters.id}`;

break;

case "GET /items/{id}":

body = await dynamo.send(

new GetCommand({

TableName: tableName,

Key: {

id: event.pathParameters.id,

},

})

);

body = body.Item;

break;

case "GET /items":

body = await dynamo.send(

new ScanCommand({ TableName: tableName })

);

body = body.Items;

break;

case "PUT /items":

let requestJSON = JSON.parse(event.body);

await dynamo.send(

new PutCommand({

TableName: tableName,

Item: {

id: requestJSON.id,

marks: requestJSON.marks,

name: requestJSON.name,

},

})

);

body = `Put item ${requestJSON.id}`;

break;

default:

throw new Error(`Unsupported route: "${event.routeKey}"`);

}

} catch (err) {

statusCode = 400;

body = err.message;

} finally {

body = JSON.stringify(body);

}

return {

statusCode,

body,

headers,

};

};