

Extras

us-east-1.console.aws.amazon.com/states/home?region=us-east-1#/visual-editor?stateMachineArn=arn:aws:states:us-east-1:432478190850:stateMachine:L...

Cancel Apply and exit

Search

Actions Flow Patterns Info

MOST POPULAR

- AWS Lambda Invoke
- Amazon SNS Publish
- Amazon ECS RunTask
- AWS Step Functions StartExecution
- AWS Glue StartJobRun

COMPUTE

- Amazon Data Lifecycle Manager
- Amazon EBS
- Amazon EC2
- AWS EC2 Instance Connect
- Elastic Inference
- Elastic Load Balancing V1
- Elastic Load Balancing V2
- Recycle Bin for EBS
- Amazon Lightsail

Undo Redo Zoom in Zoom out Center Duplicate Delete

Import/Export Form Definition

Start

DynamoDB: PutItem Add-Item

Choice state Send Notification if there is an Email

\$.Item.email is present Default

SNS: Publish SNS Publish

DynamoDB: UpdateItem UpdateItem

Wait state Wait

DynamoDB: GetItem GetItem

Choice state Deleted user identified

\$.Item.teacherName == "Gilbert" Default

DynamoDB: DeleteItem Delete Teacher

Succeed state Success

End

Send Notification if there is an Email

Configuration Input Output

State name

Send Notification if there is an Email

State type

Choice

Choice Rules

Choice rules let you create if-then-else logic to determine which state the workflow should transition to next.

Rule #1 Close

If these conditions are true:

\$.Item.email is present

Edit conditions

Then next state is:

SNS Publish

Comment - optional

Provide a short description of the rule, which will appear in the graph.

Enter comment

Clear

Feedback Language

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Extras

us-east-1.console.aws.amazon.com/states/home?region=us-east-1#/statemachines/edit/arn:aws:states:us-east-1:432478190850:stateMachine:Lab7Extra?sta...

Gmail YouTube Maps Gmail YouTube Maps Live feed | Mahari... Student Portal Ne... (1) LeetCode - Th... Code with Mosh Prime Numbers C... Mail - Gilbert Mun...

Services Search [Option+S]

Lambda EC2 S3 Simple Notification Service Simple Queue Service Route 53 CloudWatch IAM DynamoDB Step Functions API Gateway Cognito

State machine was successfully updated.

Step Functions > State machines > Lab7Extra > Edit

Edit Lab7Extra

Cancel Start execution Save

Definition

Define your workflow using [Amazon States Language](#). Test your data flow with the new [Data Flow Simulator](#).

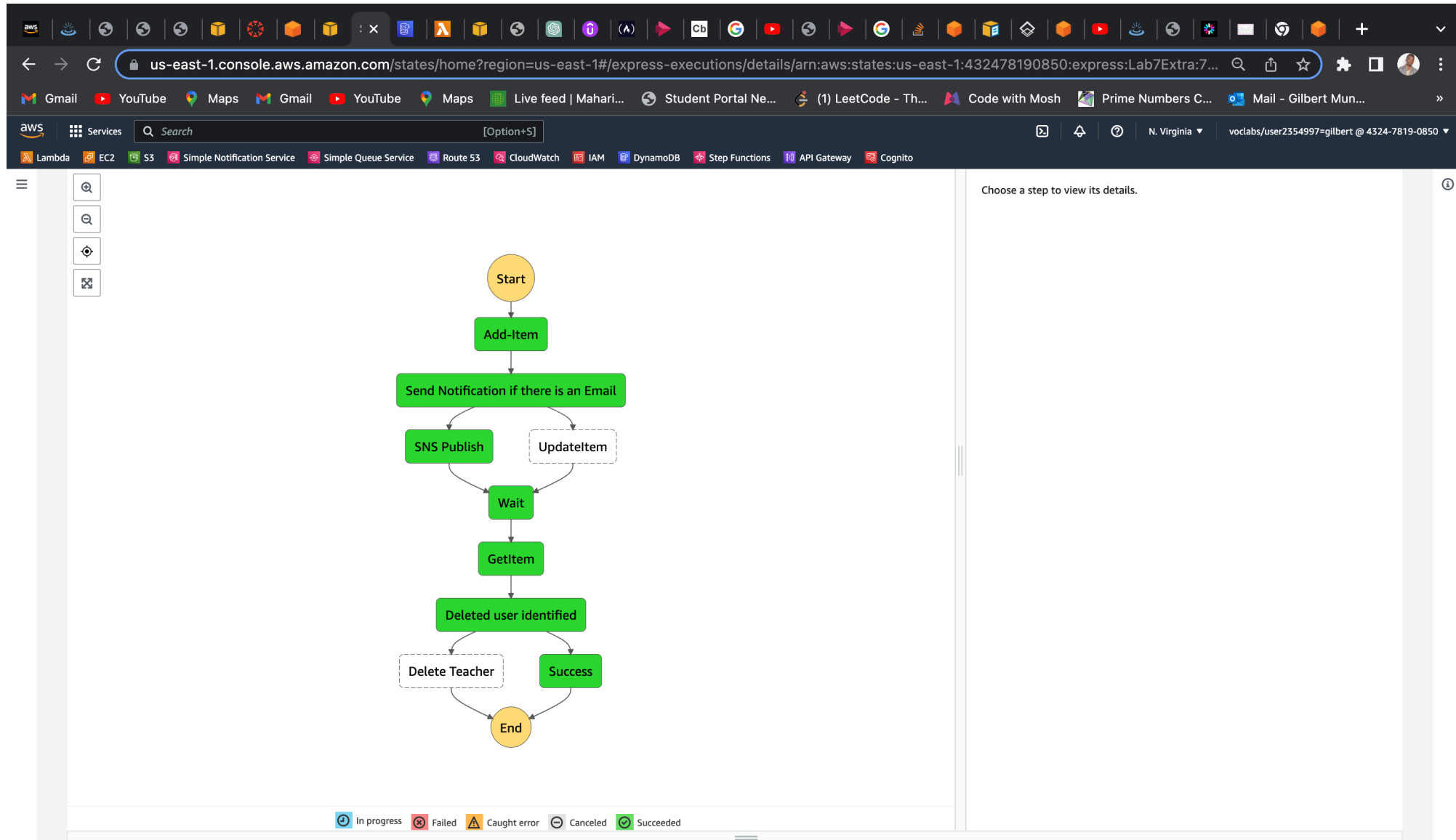
Generate code snippet Format JSON

```
1 {
2   "Comment": "A description of my state machine",
3   "StartAt": "Add-Item",
4   "States": {
5     "Add-Item": {
6       "Type": "Task",
7       "Resource": "arn:aws:states:::dynamodb:putItem",
8       "Parameters": {
9         "TableName": "courseTable",
10        "Item": {
11          "courseCode": {
12            "S": "C1005"
13          },
14          "courseName": {
15            "S": "CH"
16          },
17          "teacherName": {
18            "S": "Amanual1"
19          },
20          "students": {
21            "SS": [
22              "Stud1",
23              "Stud2",
24              "Stud3"
25            ]
26          },
27          "month": {
28            "S": "3"
29          }
30        }
31      }
32    }
33  }
```

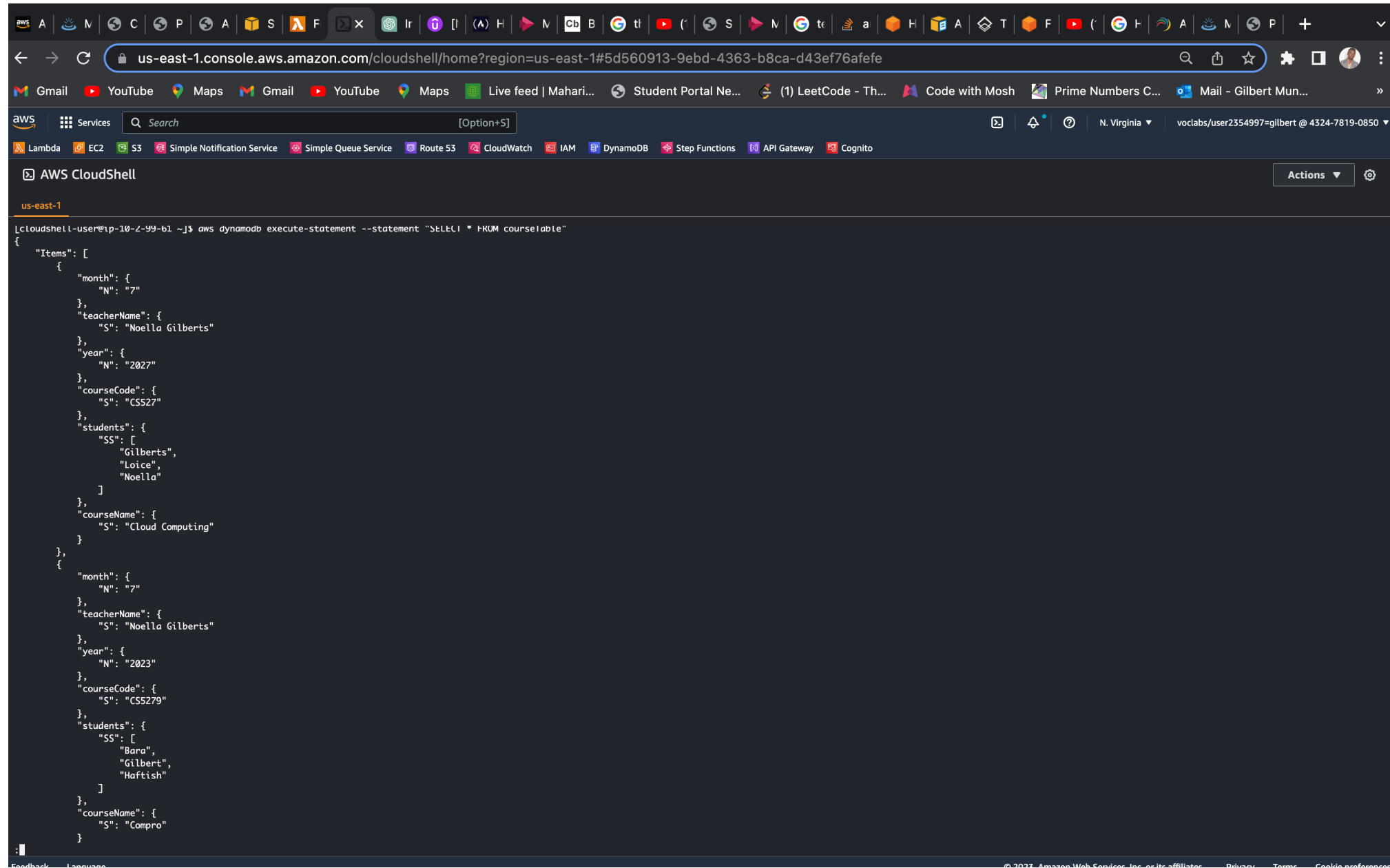
Workflow Studio New

```
graph TD
    Start([Start]) --> AddItem[Add-Item]
    AddItem --> SendNotification[Send Notification if there is an Email]
    SendNotification --> SNSPublish[SNS Publish]
    SendNotification --> UpdateItem[UpdateItem]
    SNSPublish --> Wait[Wait]
    UpdateItem --> Wait
    Wait --> GetItem[GetItem]
    GetItem --> DeletedUser[Deleted user identified]
    DeletedUser --> DeleteTeacher[Delete Teacher]
    DeletedUser --> Success[Success]
    DeleteTeacher --> End([End])
    Success --> End
```

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The screenshot shows the AWS CloudShell interface in a web browser. The browser's address bar displays the URL `us-east-1.console.aws.amazon.com/cloudshell/home?region=us-east-1#5d560913-9ebd-4363-b8ca-d43ef76afefe`. The AWS Services navigation bar is visible at the top, with a search bar and a list of services including Lambda, EC2, S3, Simple Notification Service, Simple Queue Service, Route 53, CloudWatch, IAM, DynamoDB, Step Functions, API Gateway, and Cognito. The CloudShell terminal window shows the command `aws dynamodb execute-statement --statement "SELECT * FROM courseable"` and its output, which is a JSON array of course data. The output includes details for two courses: one for 'Cloud Computing' (course code CS527) and one for 'Compro' (course code CS5279). Each course entry includes a month, teacher name, year, course code, and a list of students.

```
[cloudshell-user@ip-10-2-99-b1 ~]$ aws dynamodb execute-statement --statement "SELECT * FROM courseable"
{
  "Items": [
    {
      "month": {
        "N": "7"
      },
      "teacherName": {
        "S": "Noella Gilberts"
      },
      "year": {
        "N": "2027"
      },
      "courseCode": {
        "S": "CS527"
      },
      "students": {
        "SS": [
          "Gilberts",
          "Loice",
          "Noella"
        ]
      },
      "courseName": {
        "S": "Cloud Computing"
      }
    },
    {
      "month": {
        "N": "7"
      },
      "teacherName": {
        "S": "Noella Gilberts"
      },
      "year": {
        "N": "2023"
      },
      "courseCode": {
        "S": "CS5279"
      },
      "students": {
        "SS": [
          "Bara",
          "Gilbert",
          "Haftish"
        ]
      },
      "courseName": {
        "S": "Compro"
      }
    }
  ]
}
```

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