Project Overview

Implement a simple LEAVE application using AWS Lambda and Serverless framework.

The application can be used by employees to keep track of his/her leave times.

This application will allow users to create/remove/update/get LEAVE items.

Each LEAVE item contains the following fields:

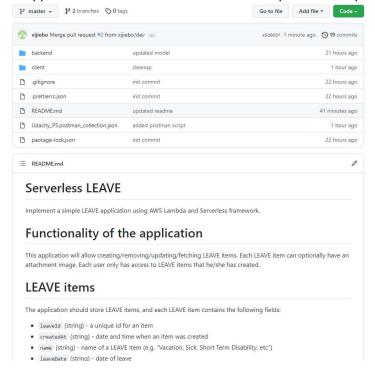
- leaveld (string) a unique id for an item
- createdAt (string) date and time when an item was created
- name (string) name of a LEAVE item (e.g. "Vacation")
- leaveDate (string) date and time of the Leave
- hours (number) Number of hours of the Leave
- attachmentUrl (string) (optional) a URL pointing to an image attached to a LEAVE item (e.g. document related with sick leave)

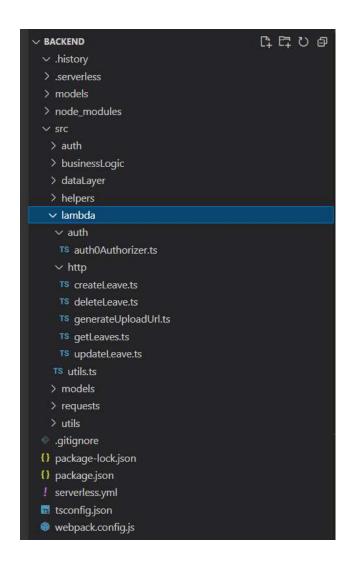
LEAVE items are stored in dynamo db table.

Attachments are stored in S3 bucket.

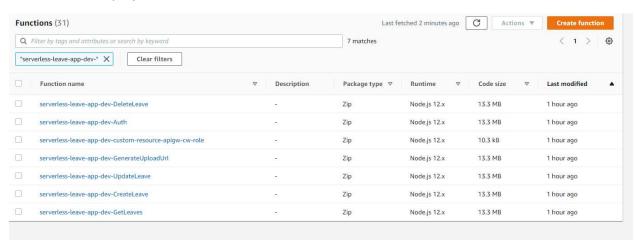
Project source code structure

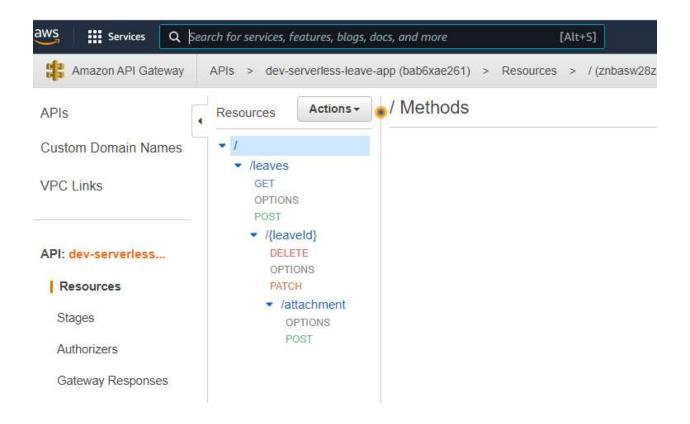
The application consists backend and client. A postman script is also developed for testing.





Backend AWS deployment





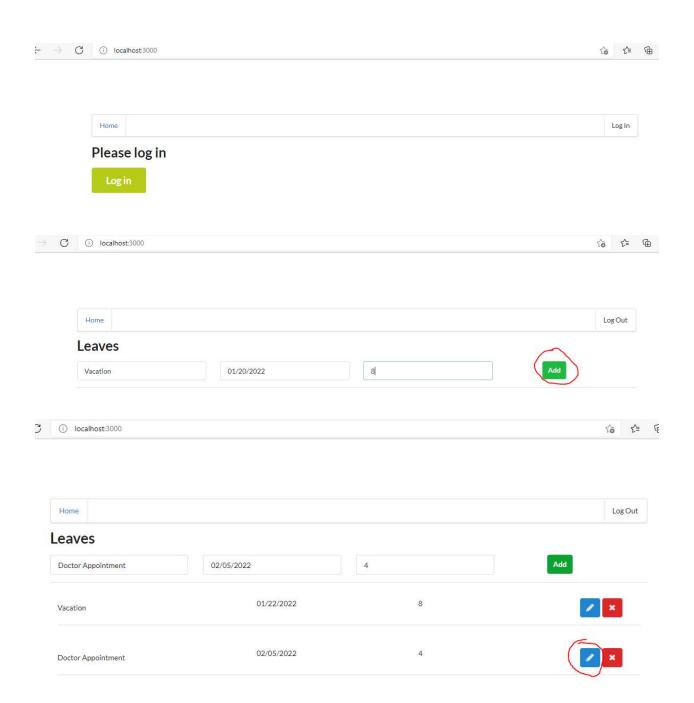
Frontend

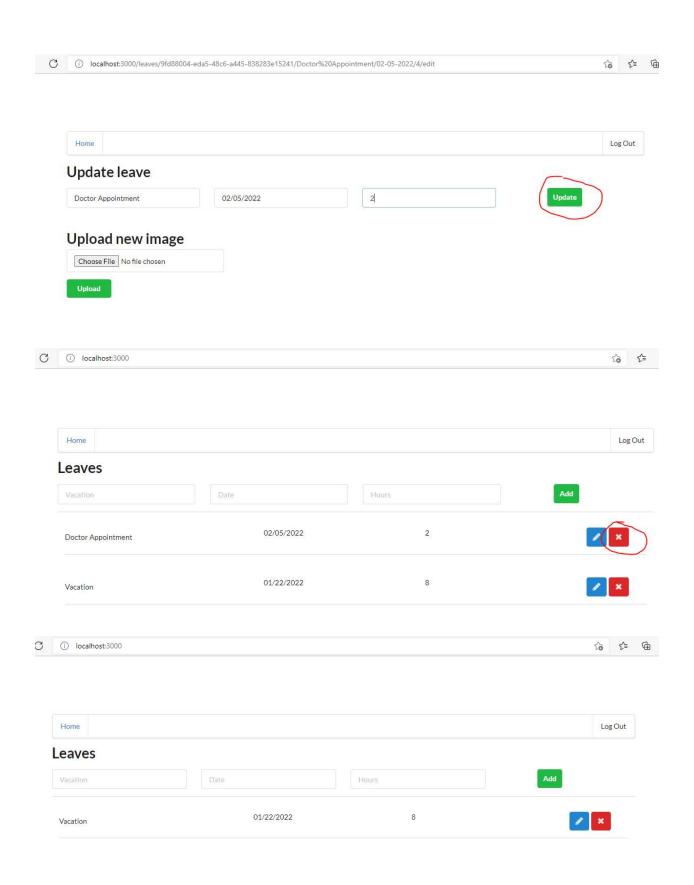
```
Compiled successfully!

You can now view typescript-app in the browser.

Local: http://localhost:3000/
On Your Network: http://192.168.1.122:3000/

Note that the development build is not optimized.
To create a production build, use npm run build.
```



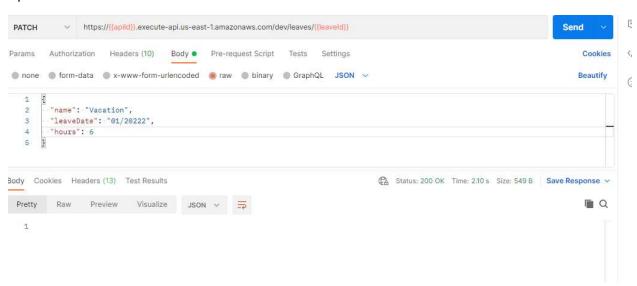


Postman testing

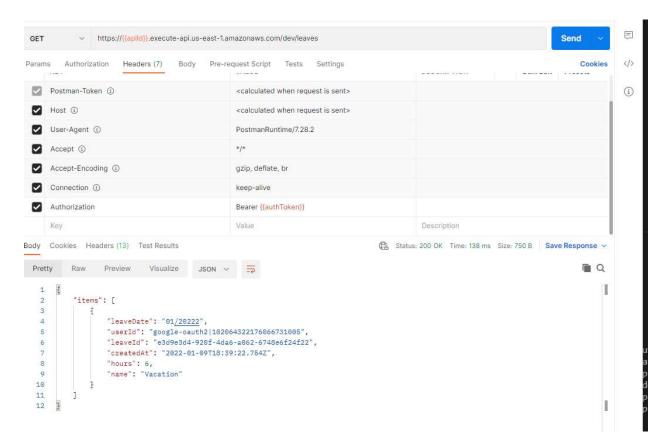
Create Leave

```
POST
             https://((apild)).execute-api.us-east-1.amazonaws.com/dev/leaves
                                                                                                                                  Send
        Authorization Headers (10) Body Pre-request Script Tests Settings
Params
                                                                                                                                       Cookies
 none form-data x-www-form-urlencoded raw binary GraphQL JSON >
                                                                                                                                      Beautify
   1
   2
          "name": "Vacation",
         "leaveDate": "01/20/2022",
          "hours": 8
   5
Body Cookies Headers (13) Test Results
                                                                                   Status: 201 Created Time: 2.72 s Size: 754 B Save Response >
           Raw Preview Visualize JSON ~
                                                                                                                                        1 Q
   1
   2
           "item": {
               "userId": "google-oauth2|102064322176066731005",
"leaveId": "e3d9e3d4-920f-4da6-a062-6748e6f24f22",
   3
   4
               "createdAt": "2022-01-09T18:39:22.754Z",
   5
               "name": "Vacation",
               "leaveDate": "01/20/2022",
   8
               "hours": 8
  10
```

Update leave



Get all leaves



Delete Leave

