Assignment:

We have created some API's that you have to integrate.

1. Authenticate user using the credentials specified. API uses Bearer authentication to authenticate further API calls. Authentication API will return a bearer token which you will have to pass in subsequent API calls.

```
Path: https://qa2.sunbasedata.com/sunbase/portal/api/assignment_auth.jsp
Method: POST
Body:
{
    "login_id": "test@sunbasedata.com",
    "password":"Test@123"
}
```

This will return you a token, that you will have to pass in as Bearer token for further calls.

2. Create a new Customer:

```
Path: https://qa2.sunbasedata.com/sunbase/portal/api/assignment.jsp
Method: POST
Parameters:
  cmd: create
Header:
  Authorization: Bearer token_recieved_in_authentication_API_call
Body:
  {
   "first_name": "Jane",
   "last_name": "Doe",
   "street": "Elvnu Street",
   "address": "H no 2 ",
   "city": "Delhi",
   "state": "Delhi",
   "email": "sam@gmail.com",
   "phone": "12345678"
  }
  first_name and last_name are mandatory parameters.
Response:
```

Success: 201, Successfully Created

Failure: 400, First Name or Last Name is missing

3. Get customer list:

```
Path: https://qa2.sunbasedata.com/sunbase/portal/api/assignment.jsp
Method: GET
Parameters:
  cmd: get_customer_list
Header:
  Authorization: Bearer token_recieved_in_authentication_API_call
Response: 200
  [{
   "first_name": "Jane",
   "last_name": "Doe",
   "street": "Elvnu Street",
   "address": "H no 2 ",
   "city": "Delhi",
   "state": "Delhi",
   "email": "sam@gmail.com",
   "phone": "12345678"
  }]
```

4. Delete a customer

Path: https://qa2.sunbasedata.com/sunbase/portal/api/assignment.jsp

Method: POST Parameters:

cmd : delete

uuid: uuid of a specific customer

Header:

Authorization: Bearer token_recieved_in_authentication_API_call

Response:

200, Successfully deleted

500, Error Not deleted

400, UUID not found

5. Update a customer

Path: https://qa2.sunbasedata.com/sunbase/portal/api/assignment.jsp

Method: POST

Parameters:

```
cmd: update
  uuid: uuid of a specific customer
Header:
  Authorization: Bearer token_recieved_in_authentication_API_call
Body:
  {
   "first_name": "Jane",
   "last_name": "Doe",
   "street": "Elvnu Street",
   "address": "H no 2 ",
   "city": "Delhi",
   "state": "Delhi",
   "email": "sam@gmail.com",
   "phone": "12345678"
  }
Response:
  200, Successfully Updated
  500, UUID not found
  400, Body is Empty
```

Notes:

if you are passing in wrong value for cmd parameter, you will get 500, Invalid Command If for any API authentication fails you will get 401, Invalid Authorization

You can test tools like postman to test these API's.

Basic steps include:

- create a basic UI in html. does not have to look pretty. basic Html table , form and buttons would do.
- Basically we need the ability to Login, view the list of customers, create a new customer, delete and update an existing customer.

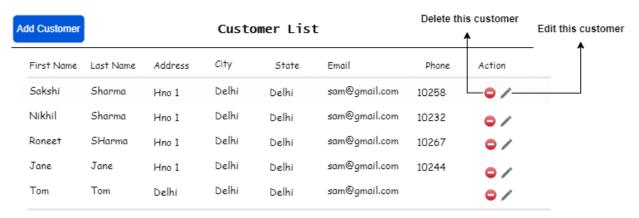
It will consist of 3 screens:

- Login Screen

Login Page

login id	
Password	
Submit	

- Customer List Screen



- Add a new customer

Customer Details

First name	Last name
Street	Address
City	State
Email	Phone
	Submit

Create a new customer on click of this button

Submission Instructions.

- Create a new Public repo on Github and push your code in this repository. Do not hardcode the login credentials anywhere in the code.
- Add a README file to specify things like what the project does and how to get it up and running.
- Add comments in your code to ensure readability of code.