INSAID Intern Task:

Problem Statement:

- Create a replica of the first section of the website www.insaid.co.
- Create the backend for the software that takes the form data for talking to an expert and saves it into a database.

Framework Used:

- Frontend: ReactJs
- Backend: NodeJs
- Database: MySQL

Table Schema:

Database Name: insaid
Table Name: users

Column Name	Data Type	Additional Parameters
id	int	Primary key, not null, auto increment
name	varchar(255)	Not null
mobile	varchar(10)	Not null
email	varchar(255)	Not null
program	ENUM('Data Science', 'Program Management')	Not null
call_status	ENUM('PENDING', 'DONE')	Not null

Query ran to create database:

```
create database insaid;
use insaid;
CREATE TABLE users(
    id int Primary key NOT NULL AUTO_INCREMENT,
```

```
    name varchar(255) NOT NULL,
    email varchar(255) NOT NULL,
    mobile varchar(10) NOT NULL,
    program ENUM('Data Science', 'Product Management') NOT NULL,
    call_status ENUM('PENDING', 'DONE') NOT NULL
);
```

Backend working:

- There are two endpoints '/users/get' and /users/add'
- '/users/get' is a GET api that does not need any body and returns the list of all users that are registered in the database. It can be used by the company maintaining the database to query for people to call. We can also include a querying feature that just returns the people whose call_status is 'PENDING'.
- 'users/add' is a POST api that takes the parameters name, email, mobile, and program in the body and add the entry to the database with 'PENDING' status.

```
Response from the GET api:
{
    "success": 1,
    "data": [
        {
            "id": 1,
            "name": "Kshitiz Anand",
            "email": "subodhkshitiz1971@gmail.com",
            "mobile": "9263001871",
            "program": "Data Science",
            "call_status": "PENDING"
        }
    ]
}
```

```
Request to the ADD api:
{
    "name": "Shubham Kumar",
    "email": "itsme@gmail.com",
    "program": "Product Management",
    "mobile": "3456714389",
    "call_status": "DONE"
}
```

```
Response from the ADD api:
{
    "success": 1,
    "data": {
        "fieldCount": 0,
        "affectedRows": 1,
        "insertId": 2,
        "serverStatus": 2,
        "warningCount": 0,
        "message": "",
        "protocol41": true,
        "changedRows": 0
    }
}
```