

## WEB-TECHNOLOGIES(ITE1002).

### Theory DA-2.

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Group members:1.

Already the details about the project and frontend development is submitted in DA1 and in this DA2 Server side development is showed plus angularjs and few changes in frontend development that already submitted.

DA1:

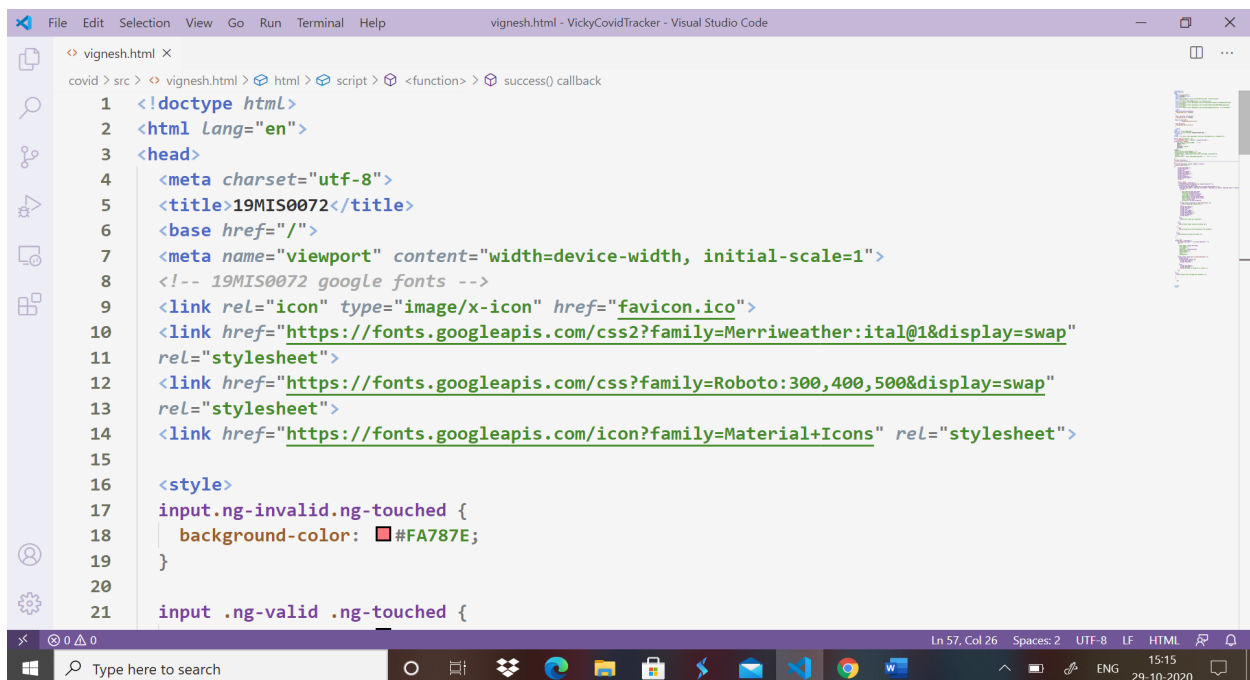
- html,
- css,
- jquery,
- angular,
- JSON,

DA2:

- Angularjs,
- Nodejs,
- Mongodb.

Angularjs:

Used for validation of login and signup.

A screenshot of the Visual Studio Code editor interface. The main editor window displays the HTML file 'vignesh.html'. The code is as follows:

```
1 <!doctype html>
2 <html Lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>19MIS0072</title>
6   <base href="/">
7   <meta name="viewport" content="width=device-width, initial-scale=1">
8   <!-- 19MIS0072 google fonts -->
9   <link rel="icon" type="image/x-icon" href="favicon.ico">
10  <link href="https://fonts.googleapis.com/css2?family=Merriweather:ital@1&display=swap"
11    rel="stylesheet">
12  <link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500&display=swap"
13    rel="stylesheet">
14  <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
15
16  <style>
17    input.ng-invalid.ng-touched {
18      background-color: #FA787E;
19    }
20
21    input .ng-valid .ng-touched {
```

The editor's status bar at the bottom indicates 'Ln 57, Col 26', 'Spaces: 2', 'UTF-8', 'LF', 'HTML', and the date '29-10-2020'. The Windows taskbar is visible at the very bottom.

Vignesh.html:

```
<!doctype html>
<html Lang="en">
<head>
  <meta charset="utf-8">
  <title>19MIS0072</title>
  <base href="/">
```

```
<meta name="viewport" content="width=device-
width, initial-scale=1">
<!-- 19MIS0072 google fonts -->
<link rel="icon" type="image/x-
icon" href="favicon.ico">
<link href="https://fonts.googleapis.com/css2?family
=Merriweather:ital@1&display=swap"
rel="stylesheet">
<link href="https://fonts.googleapis.com/css?family=
Roboto:300,400,500&display=swap"
rel="stylesheet">
<link href="https://fonts.googleapis.com/icon?family
=Material+Icons" rel="stylesheet">

<style>
input.ng-invalid.ng-touched {
    background-color: #FA787E;
}

input .ng-valid .ng-touched {
    background-color: #78FA89;
}
input.ng-pristine {
    background-color:yellow;
}
input.ng-dirty{
    background-color:cornsilk;
}

</style>
</head>
<body class="mat-typography">
<!--app-root is global tag for all sub htmls-->
<app-root ng-app="vignesh">Loading Please Wait...
```

```

    </app-root>
</body>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.3/angular.js">

angular.module('vignesh', [])
    .controller('form', ['$scope', function($scope) {
$scope.server= $http({
    url:'http://localhost:3000', //server
    method:'POST',
    data: {
        username:'vignesh',
        password:''
    },
    headers: {
        "Access-Control-Allow-Headers": "*",
        "Access-Control-Allow-Credentials": true,
        "Content-Type": "application/x-www-form-urlencoded; charset=UTF-8",
        "Accept": "*/*",
    }
});
    .success (function(){
        console.log("Success");
    })
    .error(function(data, status, headers, config){
        console.log("Failed");
    });

        $scope.User_Name="";
        $scope.Password="";
        $scope.cpa;
        $scope.First_Name="";
        $scope.Last_Name="";
        $scope.Phone_Number="";

```

```

$scope.email="";
$scope.Occupation="";
$scope.Select_State="";
$scope.v;

//for signup
$scope.signup = function() {
    if($scope.Password.length>=8 && $scope.Password!=""){
        if($scope.cpa==$scope.Password){
            if($scope.Phone_Number.length==10 && $scope.Phone_Number!=""){
                if($scope.User_Name!=""&&$scope.First_Name!=""&&$scope.Last_Name!=""&&$scope.email!=""&&$scope.Occupation!=""&&$scope.Select_State!=""){
                    $scope.v=
                    {
                        "User_Name":$scope.User_Name,
                        "Password":$scope.Password,
                        "First_Name":$scope.First_Name,
                        "Last_Name":$scope.Last_Name,
                        "Phone_Number":$scope.Phone_Number,
                        "Select_State":$scope.Select_State,
                        "email":$scope.email,
                        "Occupation":$scope.Occupation
                    }
                    $scope.server.st($scope.v).subscribe((data)
=>{
                        alert('Signed_Up Successfully');
                    }));
                    $scope.User_Name="";
                    $scope.Password="";
                    $scope.cpa="";
                    $scope.First_Name="";

```

```

        $scope.Last_Name="";
        $scope.Phone_Number="";
        $scope.Occupation="";
        $scope.email="";
    }
    else{
        alert("All fields are required");
    }
}
else{
    alert("Phone number should be exactly 10");
}
}
else{
    alert("Password and conform-
password not matched");
}
}
else{
    alert("Password should be atleast 8");
}
};

//for Login
$scope.Onts = function() {
    if($scope.User_Name!="" && $scope.Password!=""){
        $scope.v=
        {
            "User_Name": $scope.User_Name,
            "First_Name": "",
            "Last_Name": "",
            "Password": $scope.Password,
            "Phone_Number": "",
            "Select_State": "",

```

```
        "email": "",
        "Occupation": ""
    }
    $scope.server.ut($scope.v).subscribe((data) =>{
        $scope.Data=[];
        if($scope.Data.length!=0){
            $scope.User_Name="";
            $scope.Password="";
        }
        else{
            $scope.User_Name="";
            $scope.Password="";
            alert("UserName or Password are wrong!!!");
        }
    });
}
else{
    alert("Please Enter UserName and Password!!!");
}

});

}]);
```

```
</script>
</html>
```

Vicky-login.html:

```

<div ng-controller="form">
<form class="vicky" style="margin-
top: 20px;" autofocus>
  <mat-form-field class="masss">
    <mat-label class="tsk">User_Name</mat-label><br>
    <input type="text" ng-
model="User_Name" name="User_Name" matInput placeholder=
r="Vignesh" autocomplete="off" autofocus>
  </mat-form-field>
  <mat-form-field class="masss">
    <mat-label class="tsk">Pass_Word</mat-label><br>
    <input type="text" ng-
model="Password" name="Password" matInput placeholder=
"*****" autocomplete="off">
  </mat-form-field>
  <a ng-click="Onths()"><button mat-raised-
button class="ngk">Login</button></a>
</form>
</div>

```

Vicky-signup.html:

```

<div ng-controller="form">
<form class="vicky1" method="POST" autocomplete="off"
autofocus>
  <mat-form-field class="masss1">
    <mat-label class="tsk1">Set_User_Name</mat-
label><br>

```



```

        <input type="text" ng-
model="User_Name" name="User_Name" #name="ngModel" mat
Input placeholder="Vignesh" autofocus>
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss1">
        <mat-label class="tsk1">Set_Password</mat-
label><br>
        <input type="text" ng-
model="Password" name="Password" #name="ngModel" matIn
put placeholder="*****">
    </mat-form-field>
    <br><br>
    <mat-form-
field class="masss1" style="width:60%;">
        <mat-
label class="tsk1">Conform_Password</mat-label><br>
        <input type="text" ng-
model="cpa" name="cpa" #name="ngModel" matInput placeh
older="*****">
    </mat-form-field>
    <mat-form-field class="masss2">
        <mat-label class="tsk1">First_Name</mat-
label><br>
        <input type="text" ng-
model"First_Name" name="First_Name" matInput placehold
er="V.Vignesh">
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss2">
        <mat-label class="tsk1">Last_Name</mat-
label><br>

```

```

        <input type="text" ng-
model="Last_Name" name="Last_Name" matInput placeholde
r="19MIS0072">
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss2">
        <mat-label class="tsk1">Phone_Number</mat-
label><br>
        <input type="text" ng-
model="Phone_Number" name="Phone_Number" matInput plac
eholder="807*****76">
    </mat-form-field>
    <mat-form-
field appearance="fill" class="masss3">
        <mat-label>Select State</mat-label>
        <mat-select ng-
model="Select_State" name="Select_State">
            <mat-
option value="TamilNadu">TamilNadu</mat-option>
            <mat-
option value="Karnataka">Karnataka</mat-option>
            <mat-option value="Andra">Andra</mat-
option>
            <mat-option value="Kerala">Kerala</mat-
option>
            <mat-option value="Others">Others</mat-
option>
        </mat-select>
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss3">
        <mat-label class="tsk1">Email</mat-
label><br>

```

```

        <input type="text" ng-
model="email" pattern="^[a-zA-Z0-9+_.-]+@[a-zA-Z0-9.-
]+$" name="email" matInput placeholder="email@gmail.co
m">

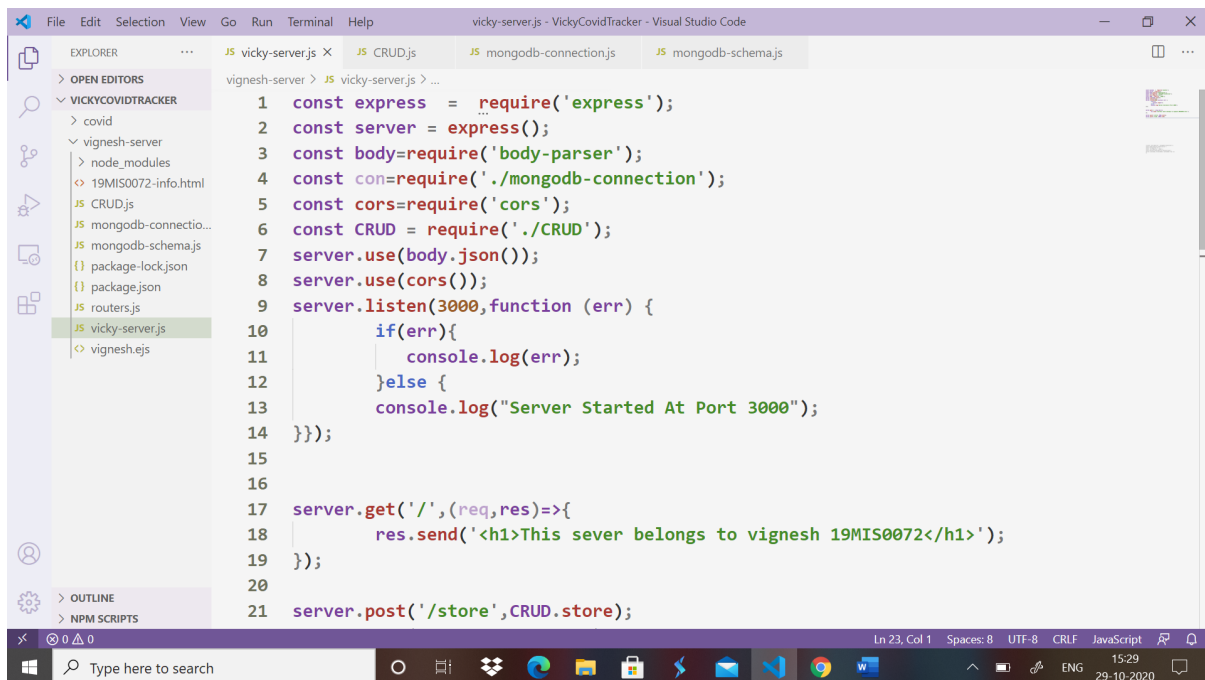
        <div ng-
show="form.$submitted || form.uEmail.$touched">
            <span ng-
show="form.uEmail.$error.required">Tell us your email.
</span>

            <span ng-
show="form.uEmail.$error.email">This is not a valid em
ail.</span>
        </div>
    </mat-form-field>
    <br><br>
    <mat-form-field class="example-full-
width masss" class="masss3">
        <mat-label class="tsk" style="font-
size: 23px;">Occupation</mat-label>
        <input type="text" ng-
model="Occupation" name="Occupation" matInput placehol
der="Occupation">
    </mat-form-field>
    <button mat-raised-
button color="primary" class="petta1" ng-
click="signup()">Sign_up</button>
</form>
</div>

```

Server side :

## Nodejs with express...



```
1 const express = require('express');
2 const server = express();
3 const body=require('body-parser');
4 const con=require('./mongodb-connection');
5 const cors=require('cors');
6 const CRUD = require('./CRUD');
7 server.use(body.json());
8 server.use(cors());
9 server.listen(3000,function (err) {
10     if(err){
11         console.log(err);
12     }else {
13         console.log("Server Started At Port 3000");
14     }
15 });
16
17 server.get('/',(req,res)=>{
18     res.send('<h1>This sever belongs to vignesh 19MIS0072</h1>');
19 });
20
21 server.post('/store',CRUD.store);
```

## Vicky-server.js:

```
const express = require('express');
const server = express();
const body=require('body-parser');
const con=require('./mongodb-connection');
const cors=require('cors');
const CRUD = require('./CRUD');
server.use(body.json());
server.use(cors());
server.listen(3000,function (err) {
    if(err){
        console.log(err);
    }else {
        console.log("Server Started At Port 3000");
    }
});
```

```

    }));

server.get('/',(req,res)=>{
    res.send('<h1>This sever belongs to vignesh 19 MIS0072</h1>');
});

server.post('/store',CRUD.store);
server.post('/find',CRUD.find);

```

CRUD.js:

```

const t=require('./mongodb-schema');

const store=(req,res)=>{
    t.insertMany({
        "User_Name":req.body.User_Name,
        "First_Name":req.body.First_Name,
        "Last_Name":req.body.Last_Name,
        "Password":req.body.Password,
        "Phone_Number":req.body.Phone_Number,
        "Select_State":req.body.Select_State,
        "email":req.body.email,
        "Occupation":req.body.Occupation
    })
    .then(response=>{
        res.send(response);
    })
    .catch(err=>{
        res.send(err);
    })

```

```

    })
  }

  const find=(req,res)=>{
    t.find({$and:[{User_Name:req.body.User_Name},{
Password:req.body.Password}]}))
    .then(response=>{
      res.send(response);

    })
    .catch(err=>{
      res.send("error");
    })
  }

  module.exports={
    store,find
  }

```

Mongodb:

Connection and schema...

mongodb.connection.js:

```
const mongoose = require("mongoose");
```

```

mongoose.connect("mongodb://localhost:27017/covid",{ useNewUrlParser: true , useUnifiedTopology: true },(err
)=>{
    if(!err){
        console.log("Vicky your connection suc
cess");
    }
    else{
        console.log("Vicky your connection fai
led");
    }
});

const sch=require('./mongodb-schema');

```

mongodb.schema.js:

```

const mongoose = require("mongoose");
const UserSchema = new mongoose.Schema({
    User_Name:{
        type:String
    },
    First_Name:{
        type:String
    },
    Last_Name:{
        type:String
    },
    Password:{
        type:String
    },

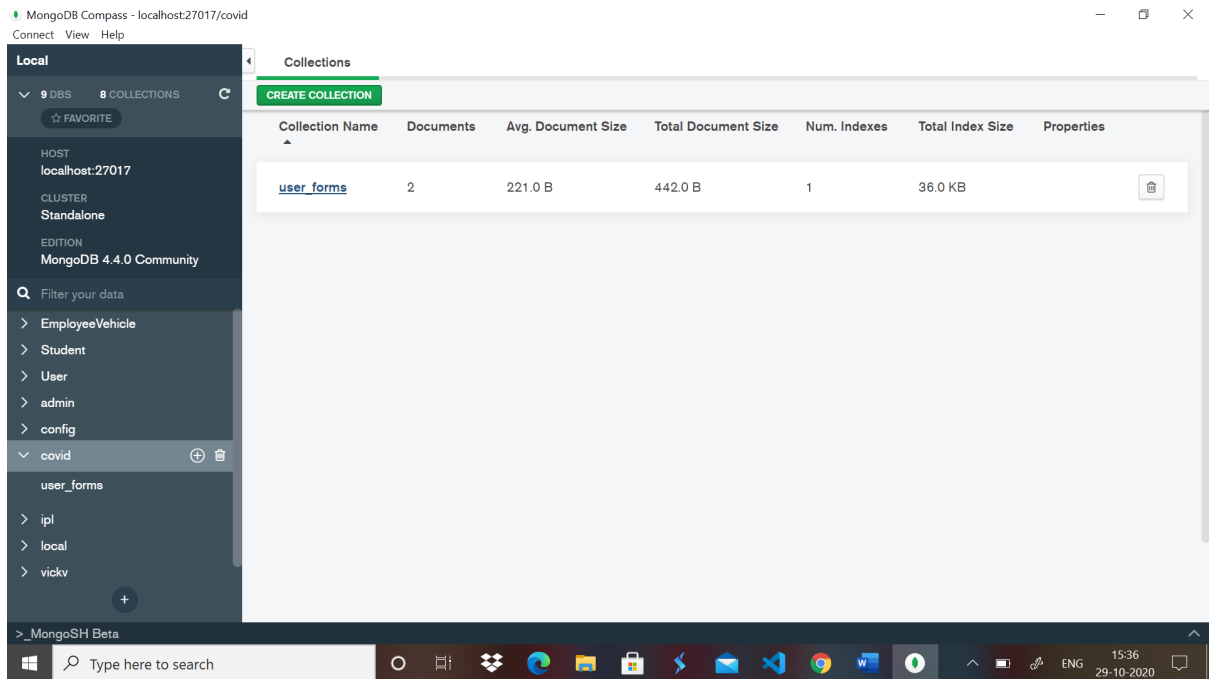
```

```
Select_State:{
  type:String
},
Phone_Number:{
  type:String
},
email:{
  type:String
},
Occupation:{
  type:String
}
}) ;
module.exports = mongoose.model("User_form",UserSchema
);
```

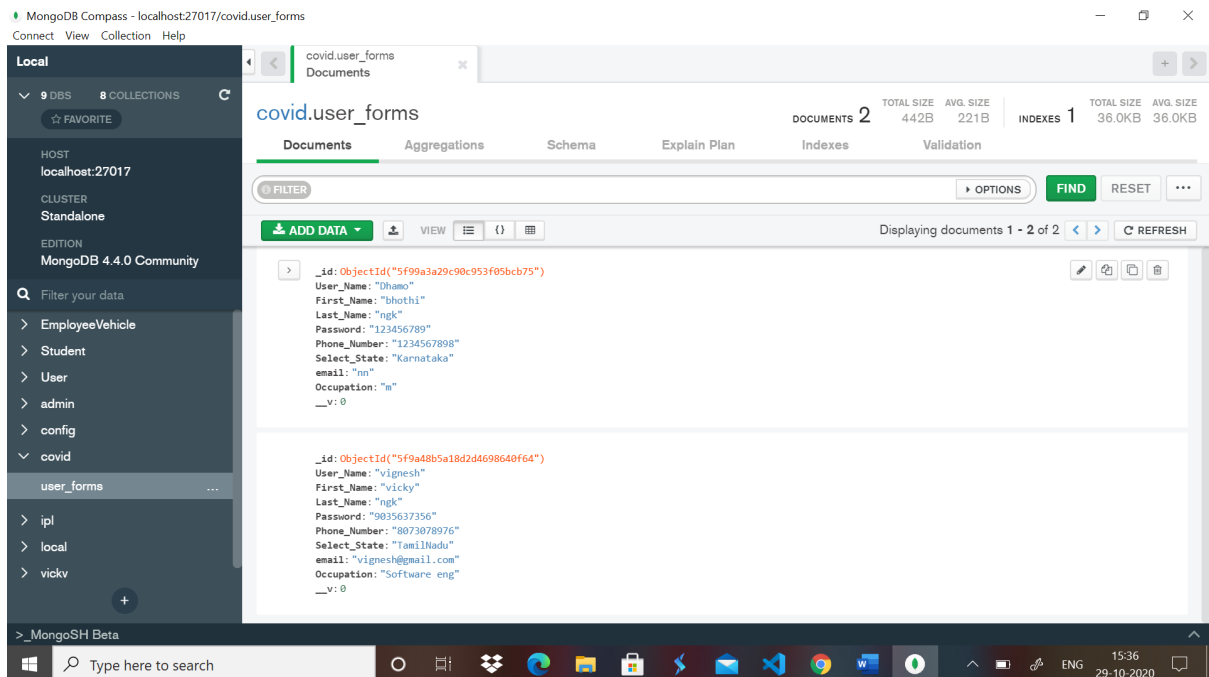
database name: covid19,

collection name: User\_forms

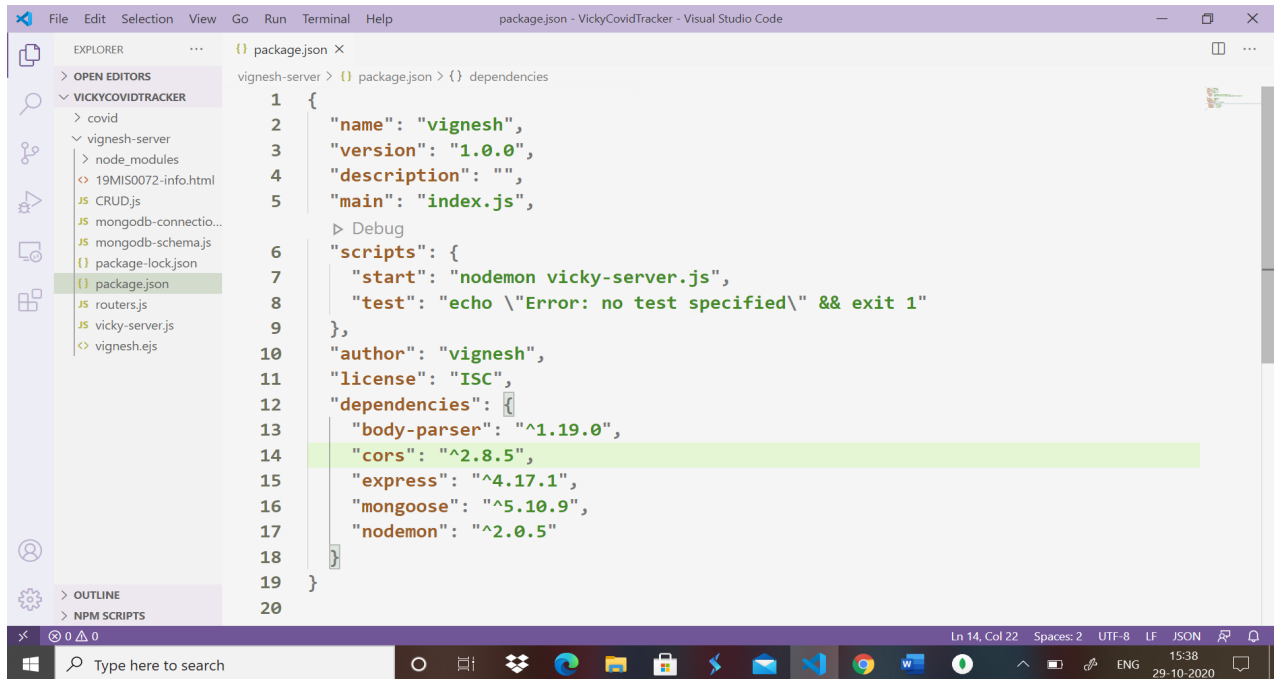




## User details:

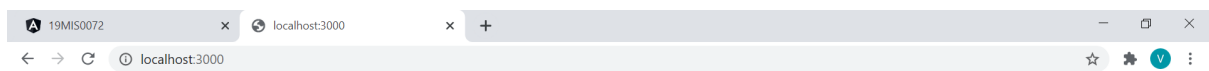


## Packages needed to install.



The screenshot shows the Visual Studio Code interface with the 'package.json' file open in the editor. The file is located in the 'vignesh-server' directory. The package name is 'vignesh', version is '1.0.0', and the main file is 'index.js'. The dependencies listed are 'body-parser', 'cors', 'express', 'mongoose', and 'nodemon'. The 'scripts' section includes 'start' (running 'nodemon vignesh-server.js') and 'test' (echoing an error message). The 'package-lock.json' file is also visible in the Explorer sidebar.

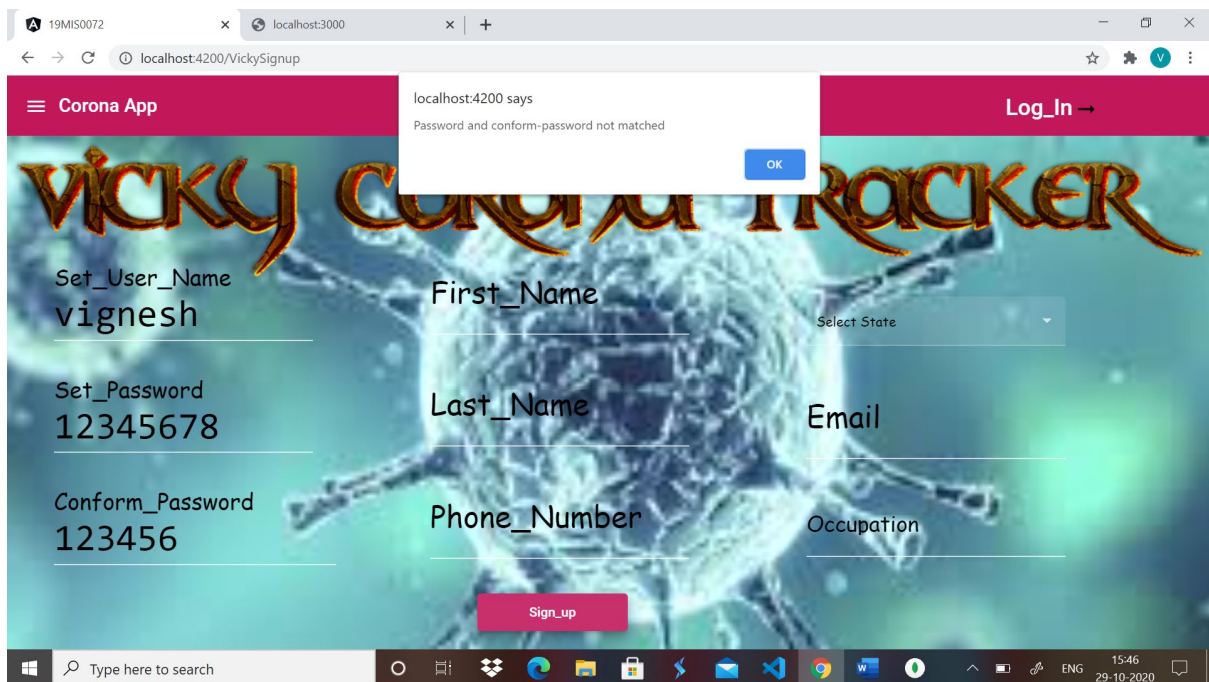
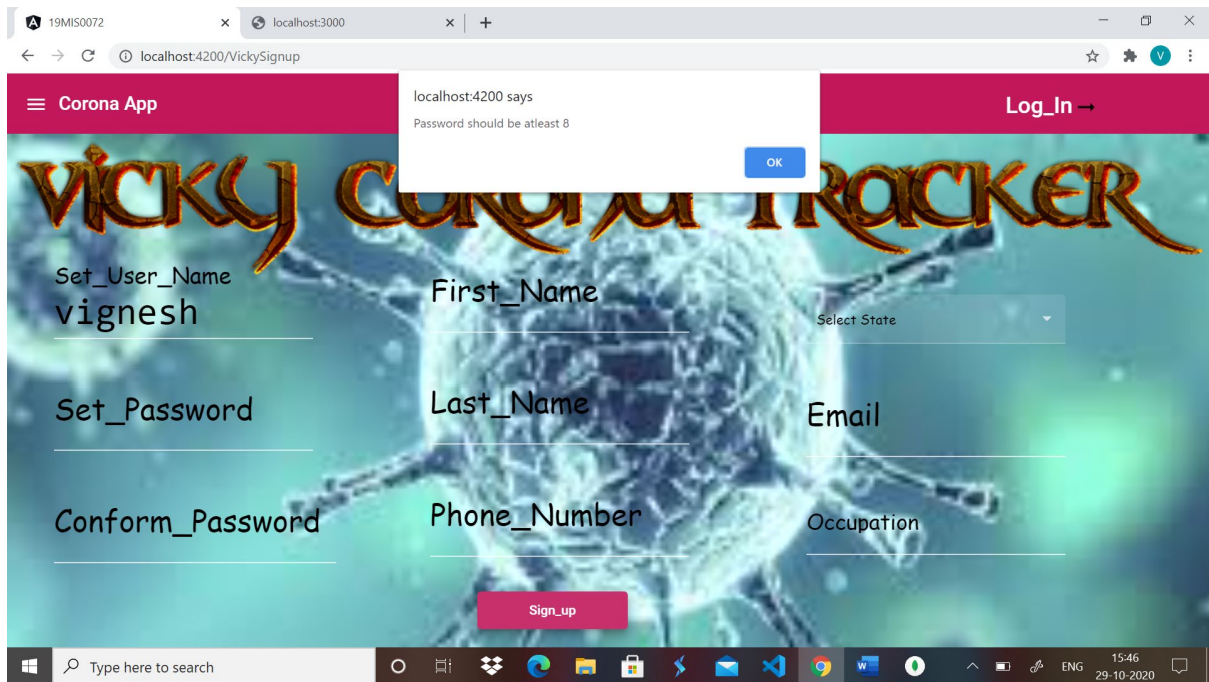
```
1 {
2   "name": "vignesh",
3   "version": "1.0.0",
4   "description": "",
5   "main": "index.js",
6   "scripts": {
7     "start": "nodemon vignesh-server.js",
8     "test": "echo \"Error: no test specified\" && exit 1"
9   },
10  "author": "vignesh",
11  "license": "ISC",
12  "dependencies": {
13    "body-parser": "^1.19.0",
14    "cors": "^2.8.5",
15    "express": "^4.17.1",
16    "mongoose": "^5.10.9",
17    "nodemon": "^2.0.5"
18  }
19 }
```

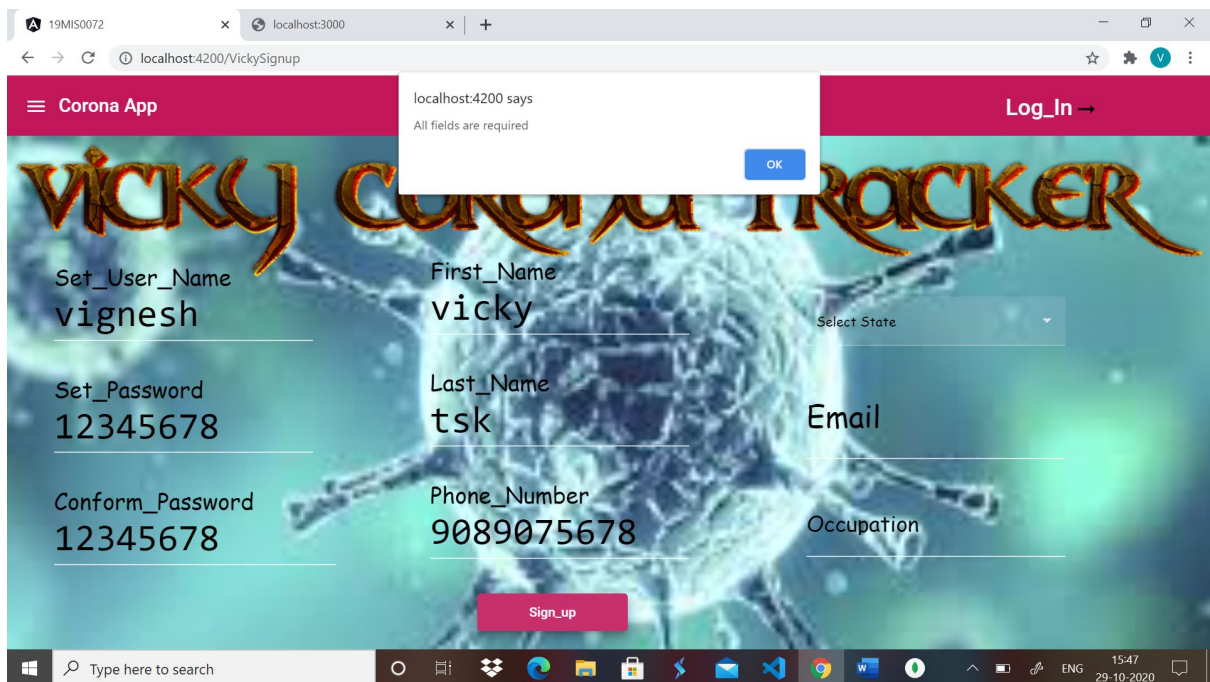
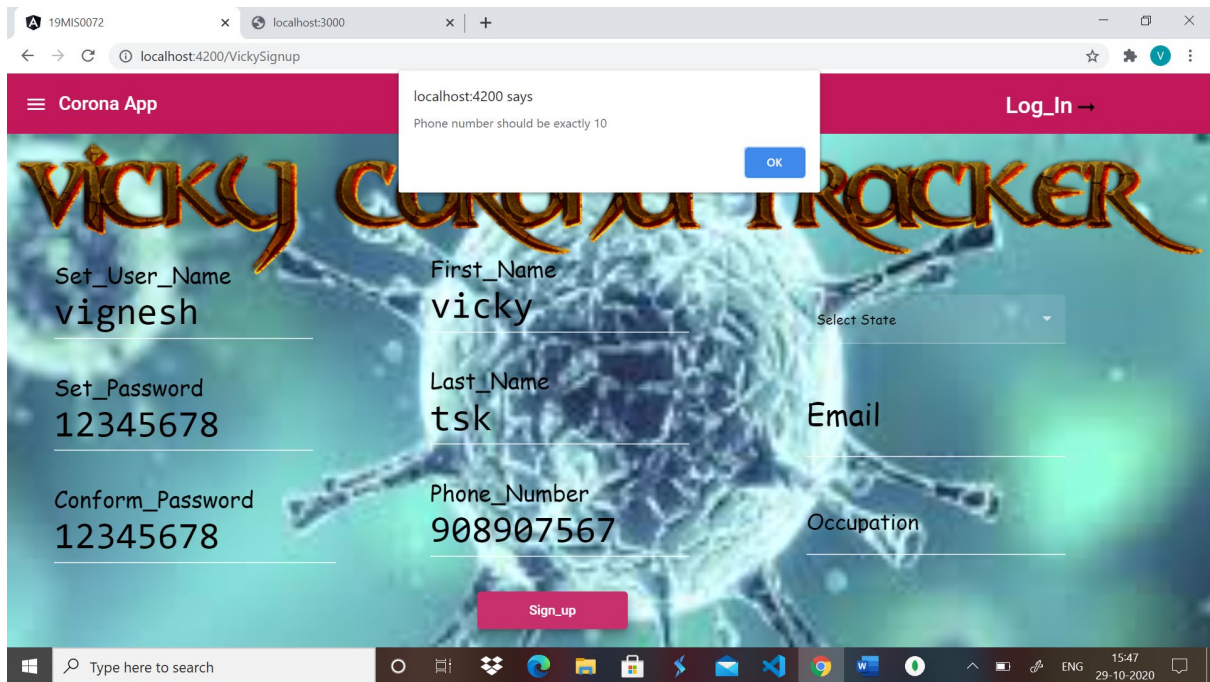


**This sever belongs to vignesh 19MIS0072**

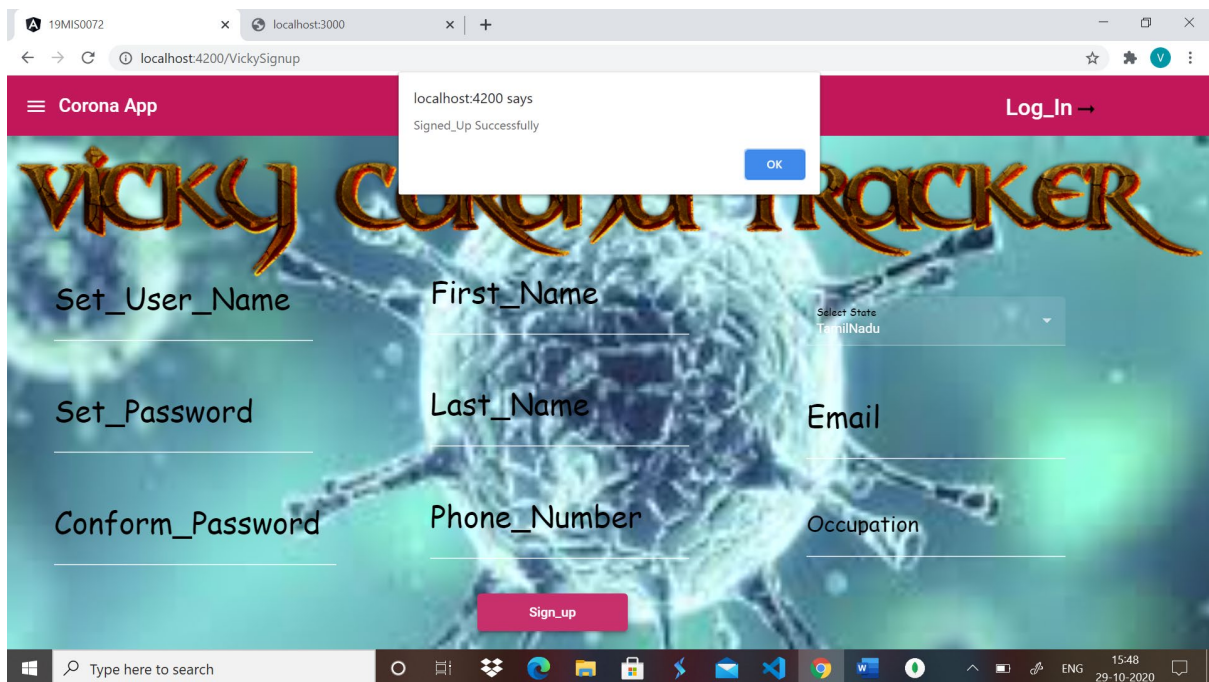
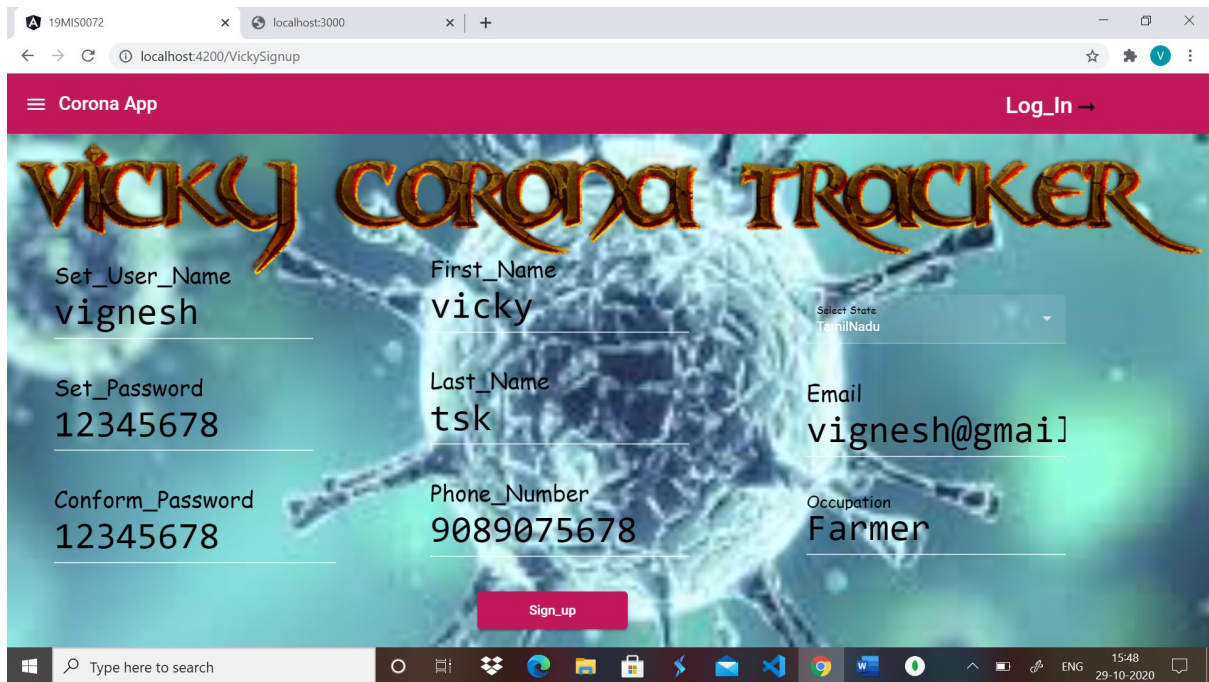


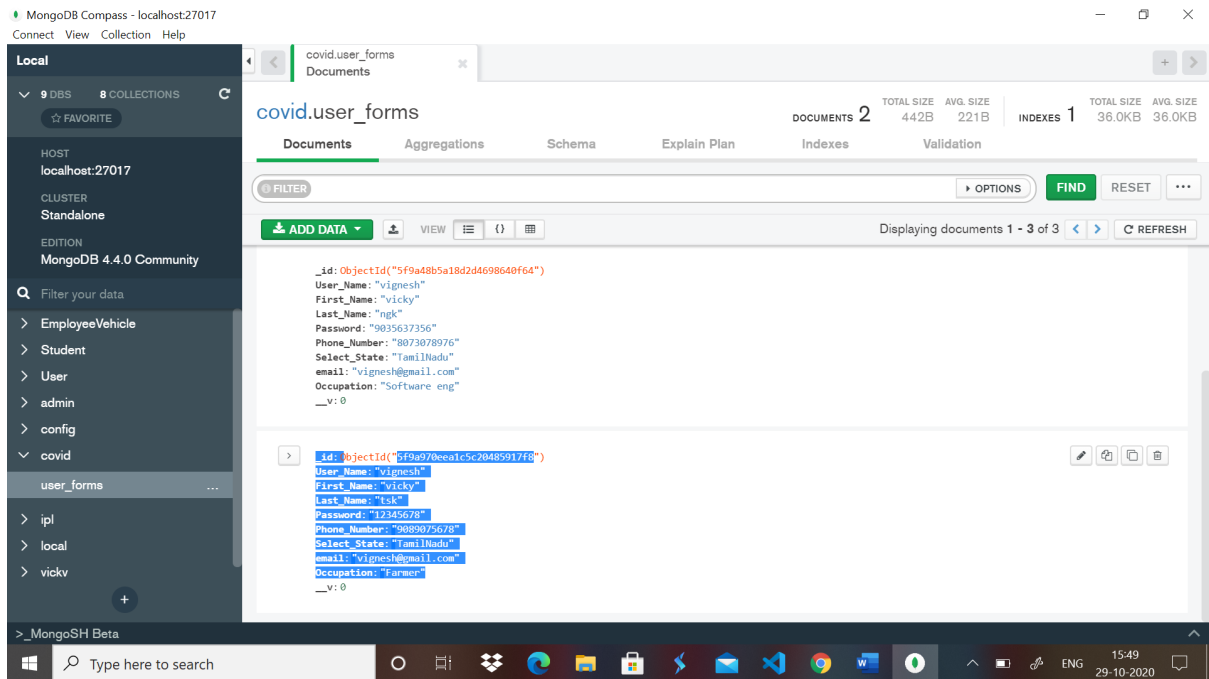
**OutPut:**



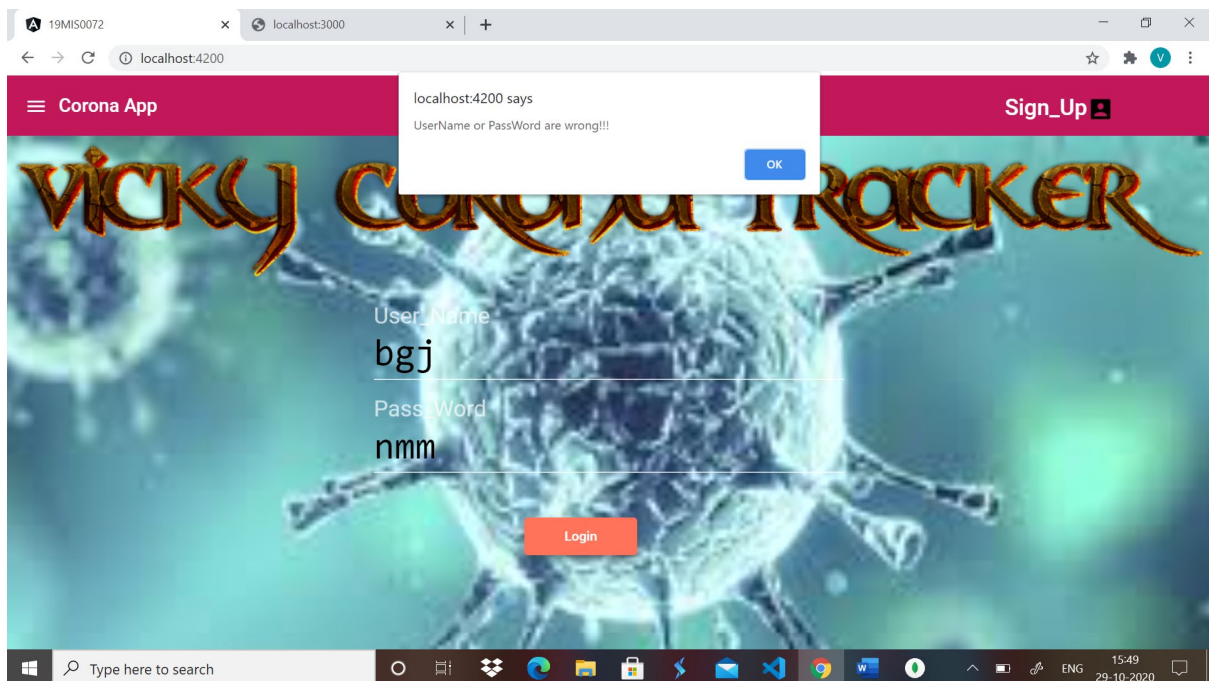


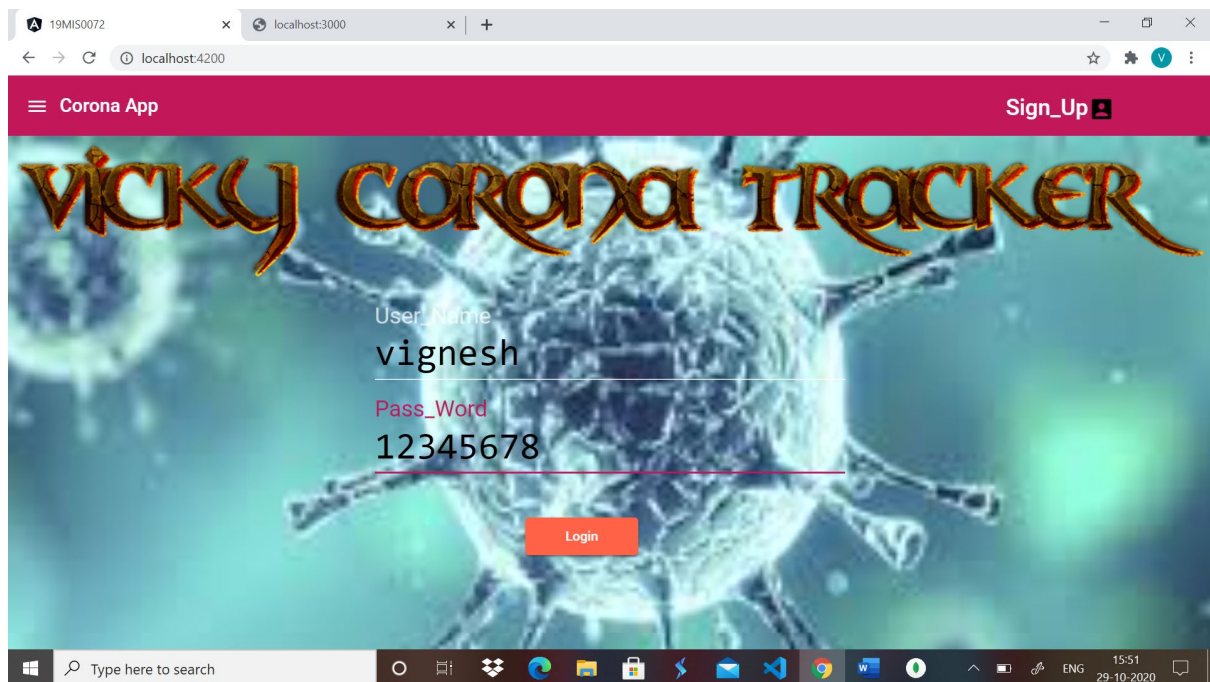
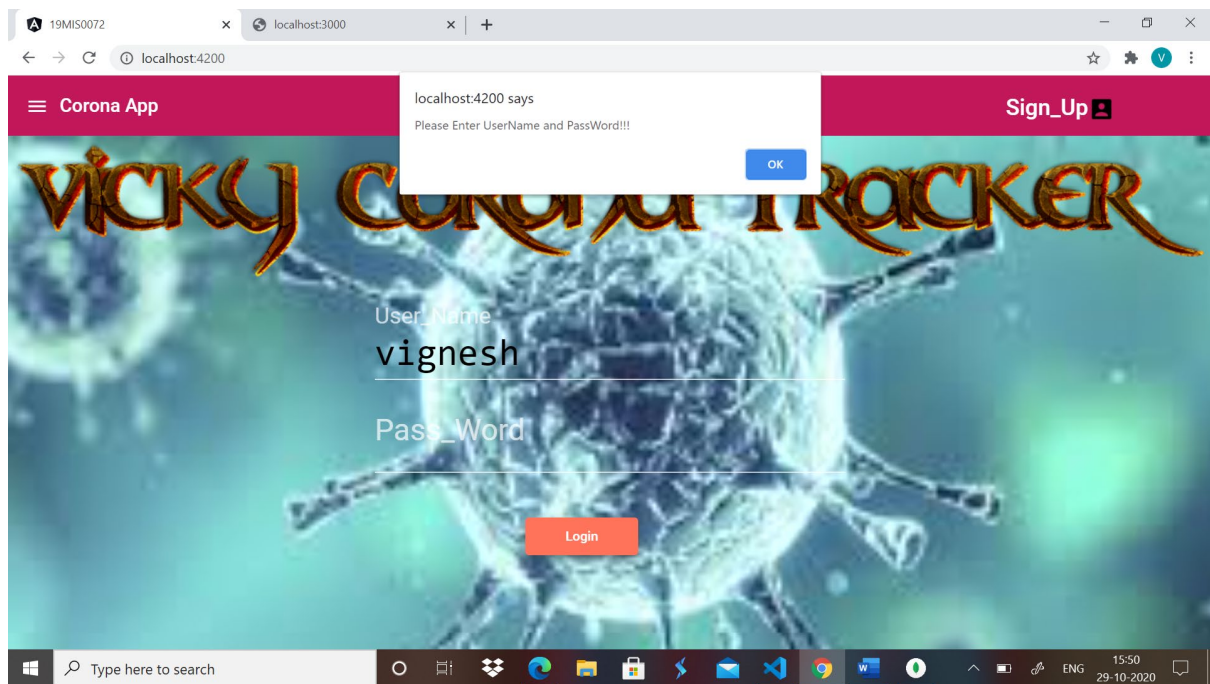






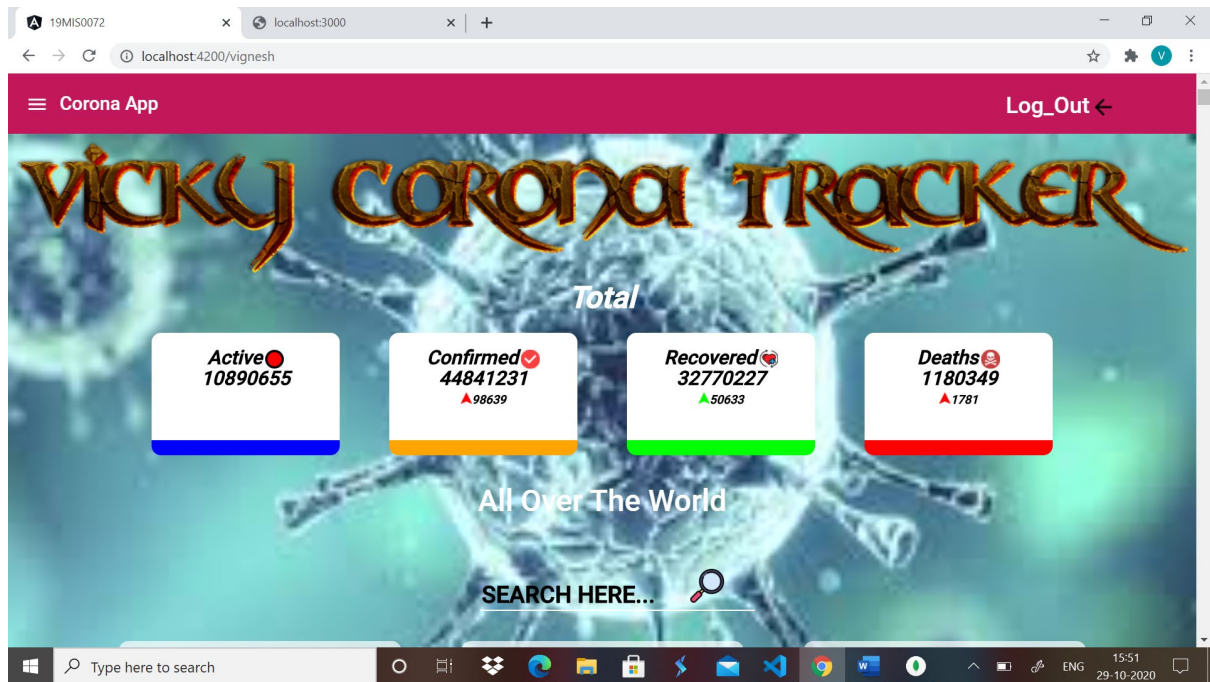
Login:





**Logged in successfully after giving correct username and password....**





And this interface already submitted in DA1....