**Technical Solution – 3**

|  |  |
| --- | --- |
| **Technique/Algorithm** | **Name of file** |
| Aggregate SQL functions | Database\_api.js |
| calling parameterised web service APIs and parsing JSON/XML to serice a complex client-server model | Database\_api.js |
| Hashing | Database\_api.js |
| Cross table paramatised SQL | Database\_api.js |
| server side scripting using request and response objects and server-side extensions for complex client-server model | Database\_api.js |
| User generated DDL script | Create\_tables.sql |
| Restful api | Database\_api.js |
| JSON parsing | Database\_api.js and profile.js |
| Multi-dimensional arrays | Groups.js |
| Dictionaries / objects | Groups.js |

**First, I create the MySQL Docker to hold my database in a container.**

**All these commands are put into the terminal**

**### Create mySQL Docker DB**

docker run --name test-mysql -p 3306 -e MYSQL\_ROOT\_PASSWORD=my-secret-pw -d mysql:latest

**### Check which port mySQL Docker DB is running on**

docker ps

**### Log into mySQL Docker DB**

mysql -P 32768 --protocol=tcp -u root -p

**Then I run the database code in the terminal as well after connecting to Docker.**

**Create\_tables.sql**

CREATE DATABASE `group\_calendar`;

CREATE TABLE group\_calendar.Users (

UserID INT(6) NOT NULL AUTO\_INCREMENT PRIMARY KEY,

Username VARCHAR(50) UNIQUE,

User\_Password VARCHAR(150),

FirstName VARCHAR(30),

LastName VARCHAR(30),

Email VARCHAR(50),

Bio VARCHAR(50),

ImgLoc VARCHAR(50),

Plaintext VARCHAR(150),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE group\_calendar.Groups (

GroupID INT(6) NOT NULL AUTO\_INCREMENT PRIMARY KEY,

GroupName VARCHAR(50) NOT NULL,

Bio VARCHAR(50),

ImgLoc VARCHAR(50),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE group\_calendar.Events (

EventID INT(6) NOT NULL AUTO\_INCREMENT PRIMARY KEY,

EventName VARCHAR(50),

TimeOfEvent DATETIME,

DateOfEvent DATE,

LocationOfEvent VARCHAR(30),

Bio VARCHAR(50),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE group\_calendar.GroupMembers (

UserID INT(6) NOT NULL ,

GroupID INT(6) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (UserID, GroupID)

);

CREATE TABLE group\_calendar.EventGroups (

EventID INT(6) NOT NULL,

GroupID INT(6) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (EventID, GroupID)

);

**This command is then run on a separate terminal tab in order to set up a http server to run my website on.**

python -m SimpleHTTPServer 8000

**Database\_api.js this is all node js**

var express = require('express')

var app = express()

var mysql = require('mysql');

var cors = require('cors')

var bodyParser = require('body-parser')

var express = require('express');

var session = require('express-session');

var path = require('path');

const jwt = require("jsonwebtoken");

const bcrypt = require('bcrypt');

const saltRounds = 3;

var app = express();

app.use(cors())

const Connection = require('mysql/lib/Connection');

app.use(session({

secret: 'secret',

resave: true,

saveUninitialized: true

}));

app.use(bodyParser.urlencoded({ extended: true }))

app.use(bodyParser.json())

// connecting to the sql database

var con = mysql.createConnection({

host: "localhost",

port:"32768",

user: "root",

password: "my-secret-pw",

database: "group\_calendar"

});

//quick function to test if successful connection

con.connect(function(err) {

if (err) throw err;

console.log("Connected!");

});

//using the usersID to grab the rest of their data

app.get('/Users/:UserID', function(request, response, next) {

con.query('SELECT \* FROM Users WHERE UserID = ' + request.params.UserID, function(err, result, fields)

{

if (err) throw err;

return response.send(result[0]);

});

});

const jwtkey = "insertprivatekeyhere";

const jwtexpiry = 35000;

// the login which also hashes the users plaintext password and compares the hash to the database

app.post('/Login', function(request, response) {

var Username = request.body.Username;

var User\_Password = request.body.User\_Password;

//bcrypt.compare(InputPassword, hash, function(err, res) {

bcrypt.hash(User\_Password, saltRounds, (err, hash) => {

con.query('SELECT \* FROM Users WHERE Username = \''+Username+'\' AND User\_Password = \''+hash+'\'', function(err, res, fields) {

request.session.loggedin = true;

request.session.username = Username;

const token = jwt.sign({

Username}, jwtkey,{

algorithm: "HS256",

expiresIn: jwtexpiry

});

console.log(token)

console.log(verify(token))

response.send(JSON.stringify({"message": "You are logged in", "loggedin": "true", "token": token}))

});

});

});

// the login which also hashes the users plaintext password and compares the hash to the database

app.get('/Login2/:Username', function(request, response) {

var Username = request.body.Username;

var User\_Password = request.body.User\_Password;

con.query('SELECT \* FROM `Users` WHERE Username = \''+request.params.Username+'\'', function(err, result, fields)

{

if (err) throw err;

console.log(result[0])

if (result.length > 0) {

return response.send(result[0]);

console.log(result[0])

response.send(JSON.stringify({"message": "You are logged in", "loggedin": "true", "result": result}))

return response.send(result);

} else {

response.send(JSON.stringify({"message": "Incorrect Username and/or Password!", "loggedin": "false"}));

}

});

});

//function to verify the jwt token

function verify(token){

var verifiedJwt

try {

verifiedJwt = jwt.verify(token,jwtkey);

} catch(err) {

//change this to catch specific errors

return res.status(400).send('invalid token')

}

return verifiedJwt.Username

};

function GetID2(Username){

var result

con.query('SELECT UserID FROM `Users` WHERE Username = \''+Username+'\'', function(err, result, fields)

{

if (err) throw err;

console.log("UserID2:"+parseInt(result[0].UserID));

return (result[0]);

});

}

//register api that adds the users username and password into the database - also hashes the password and saves the hash

app.post('/Register', function(request, response, next) {

var Username = request.body.Username;

var User\_Password = request.body.User\_Password;

bcrypt.genSalt(saltRounds, (err, salt) => {

bcrypt.hash(User\_Password, salt, (err, hash) => {

// Now we can store the password hash in db.

console.log(hash)

if (Username == "") {

return response.send("There has been an error in your username")

}

con.query('INSERT INTO `Users` (`Username`, `User\_Password`, `FirstName`, `LastName`, `email`, `bio`, `Plaintext`, `created\_at`) VALUES ( \''+Username+'\', \''+hash+'\', NULL , NULL, NULL, NULL, \''+User\_Password+'\', CURRENT\_TIMESTAMP);', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

});

});

//getting the newest group mades data

app.get('/NewestGroup', function(request, response, next) {

con.query('SELECT \* FROM `Groups` ORDER BY created\_at DESC limit 1', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//creating a new group

app.post('/NewGroup', function(request, response, next) {

con.query('INSERT INTO `Groups` ( `GroupName`, `bio`, `ImgLoc`, `created\_at`) VALUES ( "placeholder", NULL, NULL, CURRENT\_TIMESTAMP);', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//joining a group

app.post('/JoinGroup/:UserID/:GroupID', function(request, response, next) {

con.query('INSERT INTO `GroupMembers` ( `UserID`, `GroupID`) VALUES (' + request.params.UserID + ', ' + request.params.GroupID + ');', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//getting the users in group

app.get('/GroupMembers/:GroupID', function(request, response, next) {

con.query('select UserID from GroupMembers where GroupID =' +request.params.GroupID, function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//deleting a group

app.post('/DeleteGroup/:GroupID', function(request, response, next) {

con.query('DELETE FROM `Groups` WHERE GroupID =' + request.params.GroupID, function(err, result, fields)

{

console.log(err)

if (err) throw err;

});

console.log("error!!!!!!!!!!!");

});

//deleting a User

app.post('/DeleteUser/:UserID', function(request, response, next) {

con.query('DELETE FROM `Users` WHERE UserID =' + request.params.UserID, function(err, result, fields)

{

console.log(err)

if (err) throw err;

});

console.log("error!!!!!!!!!!!");

});

//deleting an event

app.post('/DeleteEvent/:EventID', function(request, response, next) {

con.query('DELETE FROM `Events` WHERE EventID =' + request.params.EventID, function(err, result, fields)

{

console.log(err)

if (err) throw err;

});

console.log("error!!!!!!!!!!!");

});

//UPDATING USER INFORMATION

app.put('/Users/:UserID', function(request, response) {

var FirstName = request.body.FirstName;

var LastName = request.body.LastName;

var Email = request.body.Email;

var Bio = request.body.Bio;

con.query('UPDATE Users SET FirstName = \''+FirstName+'\', Lastname = \''+LastName+'\',Email = \''+Email+'\', Bio= \''+Bio+'\' WHERE UserID = '+ request.params.UserID +';', function(err, result, fields)

{

if (err) throw err;

//return response.send(result[0]);

return response.send("success");

});

});

//GET all groups a users is in

app.get('/Users/Groups/:UserID', function(request, response, next) {

con.query('SELECT Groups.GroupName, Groups.GroupID, Groups.Bio, Groups.ImgLoc FROM `Users`, `Groups` WHERE UserID = ' + request.params.UserID, function(err, result, fields)

{

if (err) throw err;

return response.send(result[0]);

});

});

//GET all groups

app.get('/AllGroups', function(request, response, next) {

con.query('SELECT \* FROM `Groups`', function(err, result, fields)

{

if (err) throw err;

return response.send(result);

});

});

//GET all searched groups

app.get('/SearchGroups/:Search', function(request, response, next) {

var Search = request.body.Search;

con.query('SELECT \* FROM `Groups` WHERE GroupName LIKE "' + request.params.Search + '%"', function(err, result, fields)

{

if (err) throw err;

return response.send(result);

});

});

//GET all events

app.get('/AllEvents', function(request, response, next) {

con.query('SELECT \* FROM `Events`', function(err, result, fields)

{

if (err) throw err;

return response.send(result);

});

});

//GET all searched Events

app.get('/SearchEvents/:Search', function(request, response, next) {

var Search = request.body.Search;

con.query('SELECT \* FROM `Events` WHERE EventName LIKE "' + request.params.Search + '%"', function(err, result, fields)

{

if (err) throw err;

return response.send(result);

});

});

//getting the newest event mades data

app.get('/NewestEvent', function(request, response, next) {

con.query('SELECT \* FROM `Events` ORDER BY created\_at DESC limit 1', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//creating a new event

app.post('/NewEvent', function(request, response, next) {

con.query('INSERT INTO `Events` ( `EventName`, `TimeOfEvent`, `DateOfEvent`, `LocationOfEvent`, `Bio`, `created\_at`) VALUES ( "placeholder", NULL, NULL, NULL, NULL, CURRENT\_TIMESTAMP);', function(err, result, fields)

{

console.log(err)

if (err) throw err;

return response.send(result[0]);

});

console.log("error!!!!!!!!!!!");

});

//GET all users in a group

app.get('/Groups/Users/:GroupID', function(request, response, next) {

con.query('SELECT Users.Username, Users.Bio, Users.ImgLoc, Users.UserID FROM `Users`, `Groups` WHERE GroupID = ' + request.params.GroupID, function(err, result, fields)

{

if (err) throw err;

return response.send(result[0]);

});

});

//GET event information from their ID

app.get('/Events/:EventID', function(request, response, next) {

con.query('SELECT \* FROM Events WHERE EventID = ' + request.params.EventID, function(err, result, fields)

{

if (err) throw err;

return response.send(result[0]);

});

});

//updating event information

app.put('/Events/:EventID', function(request, response) {

var EventName = request.body.EventName;

var Bio = request.body.Bio;

var DateOfEvent = request.body.DateOfEvent;

var LocationOfEvent = request.body.LocationOfEvent;

con.query('UPDATE Events SET EventName = \''+EventName+'\', Bio= \''+Bio+'\' WHERE EventID = '+ request.params.EventID +';', function(err, result, fields)

{

if (err) throw err;

//return response.send(result[0]);

return response.send("success");

});

});

//UPDATING GROUP INFORMATION

app.put('/Groups/:GroupID', function(request, response) {

var GroupName = request.body.GroupName;

var Bio = request.body.Bio;

con.query('UPDATE `Groups` SET GroupName = \''+GroupName+'\', Bio= \''+Bio+'\' WHERE GroupID = '+ request.params.GroupID +';', function(err, result, fields)

{

if (err) throw err;

//return response.send(result[0]);

return response.send("success");

});

});

//GET group information from GroupID

app.get('/Groups/:GroupID', function(request, response, next) {

con.query('SELECT \* FROM `Groups` WHERE GroupID = ' + request.params.GroupID, function(err, result, fields)

{

if (err) throw err;

return response.send(result[0]);

});

});

//ALTER USER 'root' IDENTIFIED WITH mysql\_native\_password BY 'my-secret-pw';

**This command in the // can be ran on terminal in a separate tab to check how all the node is doing and if an error comes up then it will show on the terminal tab.**

//DEBUG=myapp:\* npm start

app.listen(3000, function () {

console.log("Listening on port 3000. Go to <http://localhost:3000>");

});

**Login.html**

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js">

</script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/style.css" rel="stylesheet">

<script type="text/javascript" src="js/login.js"></script>

<body class="text-center">

<form class="form-signin">

<h1 class="h3 mb-3 font-weight-normal">Login / Register</h1>

<label for="inputEmail" class="sr-only">Email address</label>

<input type="email" id="inputEmail" class="form-control" placeholder="Email address" required autofocus>

<label for="inputPassword" class="sr-only">Password</label>

<input type="password" id="inputPassword" class="form-control" placeholder="Password" required>

<div class="checkbox mb-3">

</div>

<button class="btn btn-lg btn-primary btn-block" id="sign\_in\_button" type="button">Sign in</button>

<button class="btn btn-lg btn-secondary btn-block" id= "register\_button" type="button">Register</button>

<h1 class="h4 mb-3 font-weight-normal" id = "registered">Successfully Registered Account - now log in</h1>

<h1 class="h4 mb-3 font-weight-normal" id = "incorrect">Incorrect Password or Username</h1>

<p class="mt-5 mb-3 text-muted">&copy; 2020-2021</p>

</form>

</body>

</html>

**Login.js**

$(document).ready(function() {

$('#registered').hide();

$('#incorrect').hide();

});

//inputing correct data then pressing the register button inserts a new user into the users table

$(document).ready(function(){

$("#register\_button").click(function(){

var Username = document.getElementById('inputEmail').value

var User\_Password = document.getElementById('inputPassword').value

console.log(Username);

$.ajax({

type: "POST",

url: "<http://localhost:3000/Register>",

data: {

"Username": Username,

"User\_Password": User\_Password

},

crossDomain : true,

success: function (res) {

console.log("it worked");

$('#registered').show();

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

function setCookie(cname, cvalue, exdays) {

var d = new Date();

d.setTime(d.getTime() + (exdays\*24\*60\*60\*1000));

var expires = "expires="+ d.toUTCString();

document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";

}

//prototype data when first using cookies

$(document).ready(function(){

$("#create\_cookie").click(function(){

setCookie("UserID", 1, 2);

console.log(getCookie("UserID"))

});

});

// checking the inputted username and password that the user entered to the data in the database then letting the user into their profile if the data is correct

$(document).ready(function(){

$("#sign\_in\_button").click(function(){

var Username = document.getElementById('inputEmail').value

var User\_Password = document.getElementById('inputPassword').value

console.log(Username);

$.ajax({

type: "GET",

url: "<http://localhost:3000/Login2/>" + Username ,

dataType: 'json',

crossDomain : true,

data: {

},

success: function (res) {

console.log("it worked");

if (res.loggedin == "false") {

console.log("fail")

//displays the incorrect message to the user if they have entered the wrong username or password

$('#registered').hide();

$('#incorrect').show();

} else {

if (res.Plaintext == User\_Password) {

console.log("success")

setCookie("UserID", res.UserID, 2);

$('#registered').hide();

$('#incorrect').hide();

window.location.href = "<http://localhost:8000/profile.html>"

} else{

$('#incorrect').show();

}

}

},

error: function (res, err) {

console.log("it did not work");

console.log(res);

console.log(err);

},

});

});

});

**Profile.html**

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Profile</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Profile.css" rel="stylesheet">

<script type="text/javascript" src="js/profile.js"></script>

</head>

<body>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<main role="main" class="container">

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyProfile</h6>

<input type="email" class="form-control" id="username" aria-describedby="emailHelp" placeholder="Enter First Name" disabled>

<div class="container" id="profile\_details">

<div class="row">

<div class="col-4 text-center align-items-center" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

<div>

<button type="button" id="upload\_pic" class="btn btn-dark" >Upload</button>

</div>

</div>

</div>

<div class="col-8" id="profile\_name">

<form>

<div class="form-group">

<label for="first\_name">First Name</label>

<input type="email" class="form-control" id="first\_name" aria-describedby="emailHelp" placeholder="Enter First Name" disabled>

</div>

<div class="form-group">

<label for="second\_name">Second Name</label>

<input type="email" class="form-control" id="last\_name" aria-describedby="emailHelp" placeholder="Enter Last Name" disabled>

</div>

<div class="form-group">

<label for="exampleInputEmail">Email address</label>

<input type="email" class="form-control" id="email" aria-describedby="emailHelp" placeholder="Enter Email" disabled>

</div>

</div>

</div>

<div class="row">

<div class="col">

<div class="form-group">

<label for="exampleFormControlTextarea1">Bio</label>

<textarea class="form-control" id="bio" rows="3" disabled></textarea>

</div>

</div>

</div>

<div class="row">

<div class="col">

<div id="edit\_page" class="text-right">

<button type="button" id="edit\_button" class="btn btn-dark">Edit</button>

</div>

<div id="save\_close\_delete\_button" class="text-right">

<button type="button" id="save\_button" class="btn btn-dark">Save</button>

<button type="button" id="close\_button" class="btn btn-dark">Close</button>

<button type="button" id="delete\_button" class="btn btn-danger">Delete</button>

</div>

</div>

</div>

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyGroups</h6>

<div class="list-group">

<a href="#" class="list-group-item list-group-item-action flex-column align-items-start">

<div class="row">

<div class="col col-lg-2" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

</div>

</div>

<div class="col" id="group\_info">

<form>

<div class="form-group">

<input type="group\_name" class="form-control" id="group\_name" aria-describedby="emailHelp" placeholder="" disabled>

</div>

<div class="form-group">

<textarea class="form-control" id="group\_bio" rows="3" disabled></textarea>

</div>

</div>

<div class="col-md-auto">

<button type="button" id="leave\_button" class="btn btn-dark">-</button>

</div>

</div>

</a>

<a href="#" class="list-group-item list-group-item-action flex-column align-items-start">

<div class="row">

<div class="col col-lg-2" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

</div>

</div>

<div class="col" id="group\_bio">

<form>

<h5 class="text-center">Group Name</h5>

<p class="mb-1">Lorem Ipsum is simply dummy text of the printing and

typesetting industry. Lorem Ipsum has been the industry's

standard dummy text ever since the 1500s, when an unknown

printer took a galley of type and scrambled it to make a

type specimen book. It has survived not only five centuries,

but also the leap into electronic typesetting,

remaining essentially unchanged. </p>

</div>

<div class="col-md-auto">

<button type="button" id="leave\_button" class="btn btn-dark">-</button>

</div>

</div>

</a>

</div>

</div>

</main>

</body>

</html>

**Profile.js**

$(document).ready(function() {

$('#save\_close\_delete\_button').hide();

$('#upload\_pic').hide();

});

function toggle\_readonly(state){

document.getElementById("email").disabled = state;

document.getElementById("first\_name").disabled = state;

document.getElementById("last\_name").disabled = state;

document.getElementById("bio").disabled = state;

}

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

//updates the database with the user inputted data

$(document).ready(function(){

var userid = getCookie("UserID");

console.log(userid)

$("#save\_button").click(function(){

var fname = document.getElementById('first\_name').value

var email = document.getElementById("email").value;

var lname = document.getElementById("last\_name").value;

var bio = document.getElementById("bio").value;

console.log("this will save information");

console.log(fname);

var requestbody ={

"FirstName": document.getElementById('first\_name').value,

"Email" : document.getElementById("email").value,

"LastName" : document.getElementById("last\_name").value,

"Bio" : document.getElementById("bio").value

}

$.ajax({

type: "PUT",

url: "<http://localhost:3000/Users/"+userid>,

contentType: 'application/json',

// data: JSON.stringify(requestbody),

data: JSON.stringify({

"FirstName": fname,

"Email": email,

"LastName": lname,

"Bio": bio

}),

crossDomain : true,

success: function (res) {

console.log("it worked");

},

error: function (res, err) {

console.log("it did not work:"+ err+ "res:"+res);

},

});

});

// ajax call to put database data into the page

$.ajax({

type: "GET",

url: "<http://localhost:3000/users/"+userid>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res.FirstName);

document.getElementById('first\_name').value = res.FirstName;

document.getElementById('last\_name').value = res.LastName;

document.getElementById('email').value = res.Email;

document.getElementById('bio').value = res.Bio;

document.getElementById('username').value = res.Username;

},

error: function (res, err) {

console.log("it did not work");

},

});

//Get Groups that the user is in

$.ajax({

type: "GET",

url: "<http://localhost:3000/Users/Groups/"+userid>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res.GroupName);

document.getElementById('group\_name').value = res.GroupName;

document.getElementById('group\_bio').value = res.Bio;

},

error: function (res, err) {

console.log("it did not work");

},

});

});

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

$(document).ready(function(){

$("#see\_cookie").click(function(){

console.log(getCookie("UserID"))

console.log("hell23o")

});

});

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

console.log("cookie has been deleted")

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

//Delete User Ajax call

$(document).ready(function(){

var UserID = getCookie("UserID");;

$("#delete\_button").click(function(){

$.ajax({

type: "POST",

url: "<http://localhost:3000/DeleteUser/"+UserID>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

//delete the cookie then go to the login page

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

console.log("cookie has been deleted")

},

error: function (res, err) {

console.log("it did not work");

},

});

window.location.href = "<http://localhost:8000/login.html>"

});

});

// hiding and showing of edit, save and close buttons.

$(document).ready(function(){

$("#edit\_button").click(function(){

console.log("hide");

$("#edit\_button").hide();

$("#save\_close\_delete\_button").show();

$("#upload\_pic").show();

toggle\_readonly(false);

});

$("#close\_button").click(function(){

$("#edit\_button").show();

$("#save\_close\_delete\_button").hide();

$("#upload\_pic").hide();

toggle\_readonly(true);

});

});

Profile.css

html,

body {

height: 100%;

}

.box-shadow { box-shadow: 0 .25rem .75rem rgba(0, 0, 0, .05); }

#upload\_button {

display: block;

margin-left: auto;

margin-right: auto;

width: 50%;

}

**Calendar.html**

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Calendar</title>

<link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Calendar.css" rel="stylesheet">

<script type="text/javascript" src="js/calendar.js"></script>

</head>

<link rel="stylesheet" type="text/css" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

<link rel="stylesheet" type="text/css" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<div class="container">

<i class="prev-month fa fa-chevron-left fa-3x"></i> <i class="next-month fa fa-chevron-right fa-3x"></i>

<br>

<div class="month-year text-center">

<h3></h3></div>

<table class="table table-bordered">

<tr>

<th>S</th>

<th>M</th>

<th>T</th>

<th>W</th>

<th>T</th>

<th>F</th>

<th>S</th>

</tr>

</table>

</div>

**Calendar.js**

//log out function

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

var CURRENT\_DATE = new Date();

var d = new Date();

var months = 'January February March April May June July August September October November December'.split(' ');

var weekDayName = 'SUN MON TUES WED THURS FRI'.split(' ');

var daysInMonth = [31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31];

// Returns the day of week which month starts (eg 0 for Sunday, 1 for Monday, etc.)

function getCalendarStart(dayOfWeek, currentDate) {

var date = currentDate - 1;

var startOffset = (date % 7) - dayOfWeek;

if (startOffset > 0) {

startOffset -= 7;

}

return Math.abs(startOffset);

}

// Creating the Calendar

function CreateCalendar(startDay, totalDays, currentDate) {

var currentRow = 1;

var currentDay = startDay;

var $table = $('table');

var $week = getCalendarRow();

var $day;

var i = 1;

for (; i <= totalDays; i++) {

$day = $week.find('td').eq(currentDay);

$day.text(i);

if (i === currentDate) {

$day.addClass('today');

}

// +1 next day until Saturday (6), then reset to Sunday (0)

currentDay = ++currentDay % 7;

// Generate new row when the day is Saturday, but only if there are more days to render

if (currentDay === 0 && (i + 1 <= totalDays)) {

$week = getCalendarRow();

currentRow++;

}

}

}

// Clear generated calendar

function clearCalendar() {

var $trs = $('tr').not(':eq(0)');

$trs.remove();

$('.month-year').empty();

}

// Generates table row used when creating Calendar

function getCalendarRow() {

var $table = $('table');

var $tr = $('<tr/>');

for (var i = 0, len = 7; i < len; i++) {

$tr.append($('<td/>'));

}

$table.append($tr);

return $tr;

}

function myCalendar() {

var month = d.getUTCMonth();

var day = d.getUTCDay();

var year = d.getUTCFullYear();

var date = d.getUTCDate();

var totalDaysInMonth = daysInMonth[month];

var counter = 1;

var $h3 = $('<h3>');

$h3.text(months[month] + ' ' + year);

$h3.appendTo('.month-year');

var dateToHighlight = 0;

// Determine if Month && Year are current for Date Highlight

if (CURRENT\_DATE.getUTCMonth() === month && CURRENT\_DATE.getUTCFullYear() === year) {

dateToHighlight = date;

}

//Getting February days including the leasp year

if (month === 1) {

if ((year % 100 !== 0) && (year % 4 === 0) || (year % 400 === 0)) {

totalDaysInMonth = 29;

}

}

// Get Start Day

CreateCalendar(getCalendarStart(day, date), totalDaysInMonth, dateToHighlight);

};

// going back or forward months

function navigationHandler(dir) {

d.setUTCMonth(d.getUTCMonth() + dir);

clearCalendar();

myCalendar();

}

$(document).ready(function() {

// Bind months

$('.prev-month').click(function() {

navigationHandler(-1);

});

$('.next-month').click(function() {

navigationHandler(1);

});

// Generate Calendar

myCalendar();

});

**Calendar.css**

\* {

margin: 0;

padding: 0;

}

.container {

margin-top: 80px;

}

th {

height: 30px;

text-align: center;

font-weight: 700;

}

td {

height: 100px;

}

.today {

background-color: rgb(218, 29, 29);

}

th:nth-of-type(7),

td:nth-of-type(7) {

font-weight: bold;

}

th:nth-of-type(1),

td:nth-of-type(1) {

font-weight: bold;

}

**Groups.html**

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Profile</title>

<link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Groups.css" rel="stylesheet">

<script type="text/javascript" src="js/groups.js"></script>

</head>

<body>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<main role="main" class="container">

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyGroups</h6>

<div class="container" id="Groups">

<div class="row">

<div class="col-3">

<input class="form-control" type="text" id = "search\_box" placeholder="Search" aria-label="Search">

</div>

<div class="col-3">

<button type="button" id="search\_button" class="btn btn-dark">Search</button>

</div>

<div class="col-6 text-right">

<button type="button" id="create\_group\_button" class="btn btn-dark">Create Group</button>

</div>

</div>

<div class="col-3">

<button type="button" id="reset\_button" class="btn btn-dark">Reset</button>

</div>

</div>

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyGroups</h6>

<table id="groups\_table" border='1'>

<tr>

<th>GroupID</th>

<th>Group Name</th>

<th>Group Bio</th>

</tr>

</table>

</div>

</div>

</main>

Groups.js

//if the cookie for the userID doesnt exist at any time the user is redirected to the login page

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

function setCookie(cname, cvalue, exdays) {

var d = new Date();

d.setTime(d.getTime() + (exdays\*24\*60\*60\*1000));

var expires = "expires="+ d.toUTCString();

document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";

}

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

//creates a new group when the create group button is pressed then redirects the user to the newest group created page

$(document).ready(function(){

$("#create\_group\_button").click(function(){

$.ajax({

type: "POST",

url: "<http://localhost:3000/NewGroup>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("new group made");

},

error: function (res, err) {

console.log("it did not work");

},

});

$.ajax({

type: "GET",

url: "<http://localhost:3000/NewestGroup>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res)

setCookie("GroupID", res.GroupID, 2)

console.log(getCookie("GroupID"))

window.location.href = "<http://localhost:8000/Group.html>"

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

//displays all the groups in a table form

$(document).ready(function(){

$.ajax({

type: "GET",

url: "<http://localhost:3000/AllGroups>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res[0])

var trHTML = '';

$.each(res, function (i, Group) {

trHTML += '<tr><td>' + Group.GroupID + '</td><td>' + Group.GroupName + '</td><td>' + Group.Bio + '</td></tr>';

});

$('#groups\_table').append(trHTML);

},

error: function (res, err) {

console.log("it did not work");

},

});

});

$(document).ready(function(){

$("#reset\_button").click(function(){

location.reload();

});

});

// displays all the groups in a table form that Group Name begin with whatever the user searched

$(document).ready(function(){

$("#search\_button").click(function(){

var search = document.getElementById('search\_box').value

console.log(search)

$.ajax({

type: "GET",

url: "<http://localhost:3000/SearchGroups/>" +search,

data: {

//"Search" : search,

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res)

var trHTML = '';

$('td').remove();

$.each(res, function (i, Group) {

trHTML += '<tr><td>' + Group.GroupID + '</td><td>' + Group.GroupName + '</td><td>' + Group.Bio + '</td></tr>';

// if there is only one result then go to the groups page

if (res.length == 1){

setCookie("GroupID", Group.GroupID, 2)

window.location.href = "<http://localhost:8000/Group.html>"

}

});

$('#groups\_table').append(trHTML);

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

Groups.css

html,

body {

height: 100%;

}

.box-shadow { box-shadow: 0 .25rem .75rem rgba(0, 0, 0, .05); }

Group.html

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Profile</title>

<link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Group.css" rel="stylesheet">

<script type="text/javascript" src="js/group.js"></script>

</head>

<body>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<main role="main" class="container"></main>

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyGroup</h6>

<div class="container" id="profile\_details">

<div class="row">

<div class="col-4 text-center align-items-center" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

<div>

<button type="button" id="upload\_pic" class="btn btn-dark" >Upload</button>

</div>

</div>

</div>

<div class="col-8" id="profile\_name">

<form>

<div class="form-group">

<label for="group\_name">Group Name</label>

<input type="email" class="form-control" id="group\_name" aria-describedby="emailHelp" placeholder="Enter Group Name" disabled>

</div>

<div class="form-group">

<label for="exampleFormControlTextarea1">Bio</label>

<textarea class="form-control" id="bio" rows="3" disabled></textarea>

</div>

</div>

</div>

<div class="row">

<div class="col">

<div id="edit\_page" class="text-right">

<button type="button" id="edit\_button" class="btn btn-dark">Edit</button>

</div>

<div id="join\_leave" class="text-left">

<button type="button" id="join\_button" class="btn btn-dark">Join</button>

<button type="button" id="leave\_button" class="btn btn-dark">Leave</button>

</div>

<div id="save\_close\_delete\_button" class="text-right">

<button type="button" id="save\_button" class="btn btn-dark">Save</button>

<button type="button" id="close\_button" class="btn btn-dark">Close</button>

<button type="button" id="delete\_button" class="btn btn-danger">Delete</button>

</div>

</div>

</div>

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">Users In Group</h6>

<div class="list-group">

<a href="#" class="list-group-item list-group-item-action flex-column align-items-start">

<div class="row">

<div class="col col-lg-2" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

</div>

</div>

<div class="col" id="group\_bio">

<div class="form-group">

<input type="group\_name" class="form-control" id="users\_name" aria-describedby="emailHelp" placeholder="" disabled>

</div>

<div class="form-group">

<textarea class="form-control" id="users\_bio" rows="3" disabled></textarea>

</div>

</div>

</div>

</a>

<a href="#" class="list-group-item list-group-item-action flex-column align-items-start">

<div class="row">

<div class="col col-lg-2" id="profile\_image">

<div class="pt-4">

<div class="">

<img class="rounded-circle" src="./img/download.png" alt="Generic placeholder image" width="140" height="140">

</div>

</div>

</div>

<div class="col" id="group\_bio">

<form>

<h1 class="text-center">User Name</h1>

</div>

</div>

</a>

</div>

</div>

</div>

</div>

</main>

**Group.js**

//hides the save+close and the upload pic button

$(document).ready(function() {

$('#save\_close\_delete\_button').hide();

$('#upload\_pic').hide();

});

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

function toggle\_readonly(state){

document.getElementById("group\_name").disabled = state;

document.getElementById("bio").disabled = state;

}

//ajax call to put the groups data into the page

var groupid = getCookie("GroupID");

$.ajax({

type: "GET",

url: "<http://localhost:3000/Groups/"+groupid>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res.EventName);

document.getElementById('group\_name').value = res.GroupName;

document.getElementById('bio').value = res.Bio;

},

error: function (res, err) {

console.log("it did not work");

},

});

//updates the database with the new inputted data

$(document).ready(function(){

var GroupID = getCookie("GroupID");;

console.log(GroupID)

$("#save\_button").click(function(){

var groupname = document.getElementById('group\_name').value;

var bio = document.getElementById("bio").value;

console.log("this will save information");

console.log(groupname);

var requestbody ={

"Groupname": document.getElementById('group\_name').value,

"Bio" : document.getElementById("bio").value,

}

$.ajax({

type: "PUT",

url: "<http://localhost:3000/Groups/"+GroupID>,

contentType: 'application/json',

data: JSON.stringify({

"GroupName": groupname,

"Bio": bio

}),

crossDomain : true,

success: function (res) {

console.log("it worked");

},

error: function (res, err) {

console.log("it did not work:"+ err+ "res:"+res);

},

});

});

//displays the users username in the group and their bio

$.ajax({

type: "GET",

url: "<http://localhost:3000/Groups/Users/"+GroupID>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res.GroupName);

document.getElementById('users\_name').value = res.Username;

document.getElementById('users\_bio').value = res.Bio;

},

error: function (res, err) {

console.log("it did not work");

},

});

});

//deletes the group then redirects you to the groups page

$(document).ready(function(){

var GroupID = getCookie("GroupID");;

$("#delete\_button").click(function(){

$.ajax({

type: "POST",

url: "<http://localhost:3000/DeleteGroup/"+GroupID>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

//delete the cookie

document.cookie = "GroupID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

console.log("cookie has been deleted")

},

error: function (res, err) {

console.log("it did not work");

},

});

console.log("cookie has been deleted")

window.location.href = "<http://localhost:8000/Groups.html>"

});

});

$(document).ready(function(){

$("#join\_button").click(function(){

var GroupID = getCookie("GroupID");;

var UserID = getCookie("UserID");

$.ajax({

type: "POST",

url: "<http://localhost:3000/JoinGroup/"+UserID+'/'+GroupID>,

dataType: 'json',

crossDomain : true,

success: function (res) {

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

// when the log out button is clicked the cookie is set to be expired therefore deleting the cookie

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

//when the edit button is clicked the save and close buttons appear while the edit button disapears vice verser when clicking the close button

$(document).ready(function(){

$("#edit\_button").click(function(){

console.log("hide");

$("#edit\_button").hide();

$("#save\_close\_delete\_button").show();

$("#upload\_pic").show();

toggle\_readonly(false);

});

$("#close\_button").click(function(){

$("#edit\_button").show();

$("#save\_close\_delete\_button").hide();

$("#upload\_pic").hide();

toggle\_readonly(true);

});

});

**Group.css**

html,

body {

height: 100%;

}

.box-shadow { box-shadow: 0 .25rem .75rem rgba(0, 0, 0, .05); }

Events.html

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Profile</title>

<link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Events.css" rel="stylesheet">

<script type="text/javascript" src="js/events.js"></script>

</head>

<body>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<main role="main" class="container">

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">MyEvents</h6>

<div class="container" id="Events">

<div class="row box-shadow">

<div class="col">

<h2 class="">Events</h2>

</div>

<div class="col-3">

<input class="form-control" type="text" id = "search\_box" placeholder="Search" aria-label="Search">

</div>

<div class="col-3">

<button type="button" id="search\_button" class="btn btn-dark">Search</button>

<button type="button" id="reset\_button" class="btn btn-dark">Reset</button>

</div>

<div class="col text-right">

<button type="button" id="add\_button" class="btn btn-dark">Add Event</button>

</div>

</div>

<table id="events\_table" border='1'>

<tr>

<th>EventID</th>

<th>Event Name</th>

<th>Date Of Event</th>

<th>Event Bio</th>

</tr>

</table>

</div>

</div>

Events.js

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

function setCookie(cname, cvalue, exdays) {

var d = new Date();

d.setTime(d.getTime() + (exdays\*24\*60\*60\*1000));

var expires = "expires="+ d.toUTCString();

document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";

}

// gets all the events and displays them in a table

$(document).ready(function(){

$.ajax({

type: "GET",

url: "<http://localhost:3000/AllEvents>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res[0])

var trHTML = '';

$.each(res, function (i, event) {

trHTML += '<tr><td>' + event.EventID + '</td><td>' + event.EventName + '</td><td>' + event.DateOfEvent + '</td><td>' + event.Bio + '</td></tr>';

});

$('#events\_table').append(trHTML);

},

error: function (res, err) {

console.log("it did not work");

},

});

});

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

//when log out is clicked the user is sent to the login screen

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

//when the reset button is pressed the page is reloaded

$(document).ready(function(){

$("#reset\_button").click(function(){

location.reload();

});

});

//gets all the groups according to the search then puts them in a table form

$(document).ready(function(){

$("#search\_button").click(function(){

var search = document.getElementById('search\_box').value

console.log(search)

$.ajax({

type: "GET",

url: "<http://localhost:3000/SearchEvents/>" +search,

data: {

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res)

var trHTML = '';

$('td').remove();

$.each(res, function (i, event) {

trHTML += '<tr><td>' + event.EventID + '</td><td>' + event.EventName + '</td><td>' + event.DateOfEvent + '</td><td>' + event.Bio + '</td></tr>';

//if there is only one result then go to that events page

if (res.length == 1){

setCookie("EventID", event.EventID, 2)

window.location.href = "<http://localhost:8000/Event.html>"

}

});

$('#events\_table').append(trHTML);

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

//pressing the add event button creates a new event then goes to the event page of the newest event made

$(document).ready(function(){

$("#add\_button").click(function(){

$.ajax({

type: "POST",

url: "<http://localhost:3000/NewEvent>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("new event made");

},

error: function (res, err) {

console.log("it did not work");

},

});

$.ajax({

type: "GET",

url: "<http://localhost:3000/NewestEvent>",

data: {

},

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res)

setCookie("EventID", res.EventID, 2)

console.log(getCookie("EventID"))

window.location.href = "<http://localhost:8000/Event.html>"

},

error: function (res, err) {

console.log("it did not work");

},

});

});

});

Events.css

html,

body {

height: 100%;

}

.box-shadow { box-shadow: 0 .25rem .75rem rgba(0, 0, 0, .05); }

Event.html

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Profile</title>

<link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

<!-- Bootstrap core CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<!-- Custom styles for this template -->

<link href="css/Event.css" rel="stylesheet">

<script type="text/javascript" src="js/event.js"></script>

</head>

<body>

<nav class="navbar navbar-dark bg-dark">

<a class="navbar-brand" href="#">Logo</a>

<button type="button" id="log\_out" class="btn btn-danger">Log out</button>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExample01" aria-controls="navbarsExample01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExample01">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="profile.html">MyProfile <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="Calendar.html">MyCalendar</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Groups.html">Groups</a>

</li>

<li class="nav-item">

<a class="nav-link" href="Events.html">Events</a>

</div>

</li>

</ul>

</div>

</nav>

<main role="main" class="container">

<div class="my-3 p-3 bg-white rounded box-shadow">

<h6 class="border-bottom border-gray pb-2 mb-0">Event</h6>

<div class="container" id="Events">

<div class="row">

<div class="col-4">

<label for="event\_name">Event Name</label>

<input type="email" class="form-control" id="event\_name" placeholder="Enter Event Name" disabled>

</div>

<div class="col-4">

<label for="date\_of\_event">Date Of Event</label>

<input type="email" class="form-control" id="date\_of\_event" placeholder="Enter Date of Event" disabled>

</div>

<div class="col-4">

<label for="bio">Bio</label>

<textarea class="form-control" id="bio" rows="3" disabled></textarea>

</div>

</div>

<div class="row">

<div class="row">

<div class="col">

<div id="edit\_page" class="text-right">

<button type="button" id="edit\_button" class="btn btn-dark">Edit</button>

</div>

<div id="save\_close\_button" class="text-right">

<button type="button" id="save\_button" class="btn btn-dark">Save</button>

<button type="button" id="close\_button" class="btn btn-dark">Close</button>

<button type="button" id="delete\_button" class="btn btn-danger">Delete</button>

</div>

</div>

</div>

</div>

</div>

</main

Event.js

//function to get whats stored inside the cookie

function getCookie(cname) {

var name = cname + "=";

var decodedCookie = decodeURIComponent(document.cookie);

var ca = decodedCookie.split(';');

for(var i = 0; i <ca.length; i++) {

var c = ca[i];

while (c.charAt(0) == ' ') {

c = c.substring(1);

}

if (c.indexOf(name) == 0) {

return c.substring(name.length, c.length);

}

}

return "";

}

//creating a function to be used to disable and enable the text boxes without reusing code

function toggle\_readonly(state){

document.getElementById("event\_name").disabled = state;

document.getElementById("date\_of\_event").disabled = state;

document.getElementById("bio").disabled = state;

}

//Checks to make sure the user has a cookie and logs them out if they dont

$(document).ready(function() {

if (getCookie("UserID") < 1){

window.location.href = "<http://localhost:8000/login.html>"

}

});

//this puts the database information into the page

$(document).ready(function() {

$('#save\_close\_button').hide();

});

var eventid = getCookie("EventID");

console.log(eventid)

$.ajax({

type: "GET",

url: "<http://localhost:3000/Events/"+eventid>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

console.log(res.EventName);

document.getElementById('event\_name').value = res.EventName;

//fix date of event sql table datafield

document.getElementById('bio').value = res.Bio;

},

error: function (res, err) {

console.log("it did not work");

},

});

// updates the database with the new inputted data

$(document).ready(function(){

var EventID = getCookie("EventID");

$("#save\_button").click(function(){

var eventname = document.getElementById('event\_name').value;

var bio = document.getElementById("bio").value;

var dateofevent = document.getElementById("date\_of\_event").value;

console.log("this will save information");

console.log(eventname);

var requestbody ={

"Groupname": document.getElementById('event\_name').value,

"Bio" : document.getElementById("bio").value,

//"DateOfEvent" : document.getElementById("date\_of\_event").value,

}

$.ajax({

type: "PUT",

url: "<http://localhost:3000/Events/"+EventID>,

contentType: 'application/json',

// data: JSON.stringify(requestbody),

data: JSON.stringify({

"EventName": eventname,

"Bio": bio,

//"DateOfEvent" : dateofevent,

}),

crossDomain : true,

success: function (res) {

console.log("it worked");

},

error: function (res, err) {

console.log("it did not work:"+ err+ "res:"+res);

},

});

});

});

// when the log out button is clicked the cookie is set to be expired therefore deleting the cookie

$(document).ready(function(){

$("#log\_out").click(function(){

document.cookie = "UserID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

window.location.href = "<http://localhost:8000/login.html>"

console.log("log out button works")

});

});

//when the edit button is clicked the save and close buttons appear while the edit button disapears vice verser when clicking the close button

$(document).ready(function(){

$("#edit\_button").click(function(){

console.log("hide");

$("#edit\_button").hide();

$("#save\_close\_button").show();

toggle\_readonly(false);

});

$("#close\_button").click(function(){

$("#edit\_button").show();

$("#save\_close\_button").hide();

toggle\_readonly(true);

});

});

//Delete Event Ajax call

$(document).ready(function(){

var EventID = getCookie("EventID");;

$("#delete\_button").click(function(){

$.ajax({

type: "POST",

url: "<http://localhost:3000/DeleteEvent/"+EventID>,

dataType: 'json',

crossDomain : true,

success: function (res) {

console.log("it worked");

//delete the cookie then go to the events page

document.cookie = "EventID=; expires=Thu, 01 Jan 1970 00:00:00 UTC; path=/;";

},

error: function (res, err) {

console.log("it did not work");

},

});

console.log("cookie was delted")

window.location.href = "<http://localhost:8000/Events.html>"

});

});

Event.css

html,

body {

height: 100%;

}

.box-shadow { box-shadow: 0 .25rem .75rem rgba(0, 0, 0, .05); }