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Technical manual

Abstract

The purpose of this document is to show the code for the development of Looprac, both the frontend application and the backend API.

**Table of contents**

[1. Frontend Application Code 4](#_Toc479115283)

[1.1 HTML Code 4](#_Toc479115284)

[1.1.1. availableLifts.html 4](#_Toc479115285)

[1.1.2. availableRequests.html 4](#_Toc479115286)

[1.1.3. carDetails.html 5](#_Toc479115287)

[1.1.4. completedLifts.html 6](#_Toc479115288)

[1.1.5. destinationLocalMap.html 6](#_Toc479115289)

[1.1.6. experience.html 7](#_Toc479115290)

[1.1.7. groupDetails.html 8](#_Toc479115291)

[1.1.8. groupJourneyDisplay.html 9](#_Toc479115292)

[1.1.9. leaderboard.html 9](#_Toc479115293)

[1.1.10. liftComplete.html 10](#_Toc479115294)

[1.1.11. liftDetails.html 11](#_Toc479115295)

[1.1.12. login.html 12](#_Toc479115296)

[1.1.13. main\_page.html 13](#_Toc479115297)

[1.1.14. myCompletedGroups.html 14](#_Toc479115298)

[1.1.15. myCompletedLiftDetails.html 15](#_Toc479115299)

[1.1.16. myGroups.html 16](#_Toc479115300)

[1.1.17. myLiftDetails.html 16](#_Toc479115301)

[1.1.18. myLifts.html 17](#_Toc479115302)

[1.1.19. myRequestsPage.html 18](#_Toc479115303)

[1.1.20. offerLift.html 19](#_Toc479115304)

[1.1.21. profile.html 20](#_Toc479115305)

[1.1.22. register.html 21](#_Toc479115306)

[1.1.23. requestDetails.html 22](#_Toc479115307)

[1.1.24. startLocalMap.html 23](#_Toc479115308)

[1.2 CSS 24](#_Toc479115309)

[1.3 JavaScript 38](#_Toc479115310)

[1.3.1. Looprac.js 38](#_Toc479115311)

[2. Backend API 69](#_Toc479115312)

[2.1. app.py 69](#_Toc479115313)

[2.2. db.py 75](#_Toc479115314)

[2.3. data\_utils.py 95](#_Toc479115315)

# Frontend Application Code

## HTML Code

### availableLifts.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = *updateAvailableLifts*();  
 </**script**>  
 <**title**>Available Lifts</**title**>  
</**head**>  
<**body class="container"** >  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="availableLiftsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>LiftID</**th**>  
 <**th class="hidden"**>DriverID</**th**>  
 <**th**>Start</**th**>  
 <**th**>Destination</**th**>  
 <**th**>Departing</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### availableRequests.html

1. <!DOCTYPE **html**>  
   <**html**>  
   <**head**>  
    <**meta charset="utf-8"**>  
    <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
    <**script src="js/jquery-3.1.1.min.js"**></**script**>  
    <**script src="js/bootstrap.min.js"**></**script**>  
    <**script src="js/Looprac.js"**></**script**>  
    <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
    <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
    <**script**>  
    **window**.onload = **function** () {  
    **document**.getElementById(**'userIDHidden'**).**value** = .getItem(**'userID'**);  
    *updateUserLiftRequests*();  
    }  
    </**script**>  
    <**title**>Available Requests</**title**>  
   </**head**>  
   <**body class="container"** >  
   <**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
    <**li role="presentation" class="active col-xs-6"**><**a href="availableRequests.html"**>Requests</**a**> </**li**>  
    <**li role="presentation" class="col-xs-6"**><**a href="myRequestsPage.html"**>Requested</**a**> </**li**>  
   </**ul**>  
   <**form id="availableReqHiddenForm"**>  
    <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
   </**form**>  
   <**div id="listDiv" class="col-xs-12"** >  
    <**table id="availableRequestsTbl" class="table table-inverse table-hover"**>  
    <**tr style="color**: **#ffffff**;**"** >  
    <**th class="hidden"**>RequestID</**th**>  
    <**th class="hidden"**>LiftID</**th**>  
    <**th class="hidden"**>DriverID</**th**>  
    <**th class="hidden"**>PassengerID</**th**>  
    <**th**>Passenger Name</**th**>  
    <**th**>Status</**th**>  
    </**tr**>  
    </**table**>  
   </**div**>  
   <**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
   </**body**>  
   </**html**>

### 1.1.3. carDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = **function** userID() {  
 **document**.getElementById(**'userID'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 }  
 </**script**>  
 <**title**>Car Register</**title**>  
</**head**>  
<**body class="container"**>  
<**div id="loopLogoDiv" class="col-xs-12"**>  
 <**img class="col-xs-12" id="infinityLoopLogo" src="img/Infinity\_Loop\_Logo.png"** />  
</**div**>  
<**div class="col-xs-12"**>  
 <**form id="carRegForm" class="col-xs-12"** >  
 <**div id="carDetails" class="col-xs-12"**>  
 <**label id="carMakeLbl" class="customLbls col-xs-12" for="carMakeInput"**>Car Make</**label**>  
 <**input type="text" id="carMakeInput" name="carMake" class="customInputs col-xs-12" placeholder="Ford" required pattern="^[a-z A-Z 0-9]+$" title="Letters and numbers only"** />  
 <**label id="carModelLbl" class="customLbls col-xs-12" for="carModelInput"**>Car Model</**label**>  
 <**input type="text" id="carModelInput" name="carModel" class="customInputs col-xs-12" placeholder="Focus" required pattern="^[a-z A-Z 0-9]+$" title="Letters and numbers only"**/>  
 <**label id="regNumLbl" class="customLbls col-xs-12" for="regNumInput"**>Registration Number</**label**>  
 <**input type="text" id="regNumInput" name="regNum" class="customInputs col-xs-12" placeholder="01-D-1234" required** />  
 <**input type="number" id="userID" name="userID" class="hidden" readonly** />  
 </**div**>  
 <**div class="carRegisterBtnsDiv col-xs-12"**>  
 <**input type="button" value="Cancel" id="cancelBtn" class="registerBtns btn btn-primary col-xs-6" onclick="window**.location=**'main\_page.html'"**/>  
 <**input type="submit" value="Register" id="registrationBtn" class="registerBtns btn btn-primary col-xs-6" onclick=***registerCar*(); />  
 </**div**>  
 </**form**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.4. completedLifts.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = **function** () {  
 **document**.getElementById(**'userIDHidden'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 *updateMyCompletedLifts*();  
 }  
 </**script**>  
 <**title**>My Lifts</**title**>  
</**head**>  
<**body class="container"** >  
<**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
 <**li role="presentation" class=" col-xs-6"**><**a href="myLifts.html"**>Active</**a**> </**li**>  
 <**li role="presentation" class="active col-xs-6"**><**a href="completedLifts.html"**>Completed</**a**> </**li**>  
</**ul**>  
<**h2 style="text-align**: **center**;**" class="col-xs-12 myHeaders"**>My Completed Lifts</**h2**>  
<**form id="myCompletedLiftsHiddenForm"**>  
 <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
</**form**>  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="myCompletedLiftsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>liftID</**th**>  
 <**th**>Route</**th**>  
 <**th**>Departed</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### 1.1.5. destinationLocalMap.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>map</**title**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/index.css"**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc&callback=initMap" type="text/javascript"**></**script**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**meta charset="UTF-8"**>  
 <**title**>Title</**title**>  
 <**script**>  
 **window**.onload = **function** () {  
 *initDestinationMap*();  
 *chooseDestination*();  
 }  
 </**script**>  
</**head**>  
<**body class="container"**>  
<**div id="map-canvas" class="col-xs-12"**></**div**>  
<**div class="locationDivs"** >  
 <**input type="number" id="chosen\_lat" class="hidden" name="chosen\_lat" placeholder="latitude"** />  
 <**input type="number" id="chosen\_long" class="hidden" name="chosen\_long" placeholder="longitude"** />  
 <**input type="text" id="chosen\_county" class="hidden" name="county" placeholder="county"** />  
 <**input type="text" id="destination" name="location" placeholder="Destination" class="col-xs-12"** />  
 <**input type="button" class="btn btn-primary cancelLocationBtns col-xs-6" value="Cancel" onclick="window**.**history**.back()**"**/>  
 <**input type="button" id="choiceSubBtn" class="btn btn-primary locationBtns col-xs-6" value="Submit" onclick="***destinationChoice*()**"**/>  
</**div**>  
</**body**>  
</**html**>

### 1.1.6. experience.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**title**>Experience</**title**>  
 <**script**> **window**.onload =*calculateExperience*(**sessionStorage**.getItem(**'userID'**),  
 **sessionStorage**.getItem(**'myLiftID'**), **sessionStorage**.getItem(**'myDriverID'**));  
 </**script**>  
</**head**>  
<**body class="container"**>  
<**div id="experienceHeaderDiv" class="col-xs-12"**>  
 <**h2 style="text-align**: **center**; **color**: **#ff8800**;**" class="col-xs-12"**>Experience</**h2**>  
</**div**>  
<**div id="newExperienceDiv" class="col-xs-12"**>  
 <**h4 style="text-align**: **center**; **color**: **#ff8800**;**"**>Experience from this trip</**h4**>  
 <**h2 id="newExpHeader" class="col-xs-12" style="text-align**: **center**; **color**: **#eae8ff**;**"**></**h2**>  
</**div**>  
<**div id="experienceDiv" class="col-xs-12"**>  
 <**label for="distance" id="distanceLbl" class="col-xs-6 liftDetailsLabels"**>Distance</**label**>  
 <**label for="overallDistance" id="overallDistanceLbl" class="liftDetailsLabels col-xs-6"**>Overall Distance</**label**>  
 <**input id="distance" class="liftDetailsInput col-xs-6"** />  
 <**input id="overallDistance" class="liftDetailsInput col-xs-6"** />  
 <**label for="numOfPassengers" id="numOfPassengersLbl" class="liftDetailsLabels col-xs-6"**>Passengers</**label**>  
 <**label for="overallNumOfPassengers" id="overallNumOfPassengersLbl" class="liftDetailsLabels col-xs-6"**>Overall Passengers</**label**>  
 <**input id="numOfPassengers" class="liftDetailsInput col-xs-6"** />  
 <**input id="overallNumOfPassengers" class="liftDetailsInput col-xs-6"** />  
</**div**>  
<**div id="overallExperienceDiv" class="col-xs-12"**>  
 <**h4 style="text-align**: **center**; **color**: **#ff8800**;**"**>Your Experience</**h4**>  
 <**h2 id="overallExpHeader" class="col-xs-12" style="text-align**: **center**; **color**: **#eae8ff**;**"**></**h2**>  
</**div**>  
<**div id="experienceBtnDiv" class="col-xs-12"**>  
 <**input type="button" value="Finish" class="col-xs-12" id="experienceFinishBtn" onclick="window**.location=**'main\_page.html'"**/>  
</**div**>  
</**body**>  
</**html**>

### 1.1.7. groupDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" defer type="text/javascript"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**script**>  
 **window**.onload = **function** (){  
 *showGroupDetails*(**sessionStorage**.getItem(**'myLiftID'**), **sessionStorage**.getItem(**'groupID'**));  
 };  
 **function** *profile*(){  
 *getProfile*(**document**.getElementById(**'hiddenDriverPassengerID'**).value);  
 }  
 </**script**>  
 <**title**>Group Details</**title**>  
</**head**>  
<**body class="container"** >  
<**div id="myLift-map-canvas" class="col-xs-12"** ></**div**>  
<**div id="beginLiftBtnDiv" class="col-xs-12"**><**input type="button" class="col-xs-12" id="startLiftBtn" value="Begin!" onclick="***checkIfCanDepart*()**"** />  
</**div**>  
<**div class="bufferDiv col-xs-12"**></**div**>  
<**div id="groupDetailsDiv" class="col-xs-12 "** >  
 <**div id="groupDetailsInnerDiv" class="col-xs-12"**>  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**"**>Driver & Car</**h4**>  
 <**i id="profileIcon" class="fa fa-user col-xs-12" aria-hidden="true" onclick="***profile*()**"**></**i**>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverNameRdOnly"**>Driver </**label**>  
 <**input type="number" id="hiddenDriverID" class="hidden" readonly**/>  
 <**input type="number" id="hiddenDriverPassengerID" class="hidden" readonly**/>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverDetailsRdOnly"**>Rating </**label**>  
 <**input type="text" id="driverNameRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="driverDetailsRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**label class="col-xs-6 liftDetailsLabels" for="carRegRdOnly"**>Car Registration </**label**>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverPhoneRdOnly"**>Phone-number </**label**>  
 <**input type="text" id="carRegRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="driverPhoneRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**"**>Route</**h4**>  
 <**label class="col-xs-12 liftDetailsLabels" for="routeRdOnly"**>Route</**label**>  
 <**input type="text" id="routeRdOnly" class="col-xs-12 liftDetailsInput" readonly** />  
 <**label class="col-xs-6 liftDetailsLabels" for="departDateRdOnly"**>Depart Date </**label**>  
 <**input type="text" id="departDateRdOnly" class="col-xs-6 liftDetailsInput" readonly** />  
 <**input type="number" id="hiddenNumOfPassengers" class="hidden"** />  
 <**h4 class="col-xs-12" id="numOfPassengersHeader" style="color**: **#ff8800**;**text-align**: **center**;**"**></**h4**>  
 <**table id="passengersTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>PassengerID</**th**>  
 <**th**>Name</**th**>  
 <**th**>Rating</**th**>  
 <**th**>Phone</**th**>  
 </**tr**>  
 </**table**>  
 <**div id="liftDetailsBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-12" onclick="window**.location = **'myGroups.html'"** />  
 </**div**>  
 </**div**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.8. groupJourneyDisplay.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc&callback=display" async defer type="text/javascript"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 *//callback function that is called when the google api script completes* **function** *display*() {  
 *displayActiveLift*(**sessionStorage**.getItem(**'myLiftID'**));  
 }  
 </**script**>  
 <**title**>In Progress Lift</**title**>  
</**head**>  
<**body class="container"** >  
 <**div id="map" class="col-xs-12"** > </**div**>  
 <**div id="groupJourneyMainDiv"**>  
 <**div id="groupJourneyInnerDiv" class="col-xs-12"**>  
 <**input type="text" id="liftID" class="col-xs-12 hidden" readonly** />  
 <**div id="activeLiftBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="activeLiftCancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-6" onclick="history**.back();**"** />  
 <**input type="button" id="finishLiftBtn" value="Complete!" class="btn btn-primary liftDetailsBtns col-xs-6" onclick="***checkIfCanFinish*()**"** />  
 </**div**>  
 </**div**>  
 </**div**>  
</**body**>  
</**html**>

### 1.1.9. leaderboard.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**title**>Leaderboard</**title**>  
 <**script**>  
 **window**.onload = *getLeaderBoard*();  
 </**script**>  
</**head**>  
<**body class="container"**>  
<**div class="col-xs-12"**>  
 <**h1 class="col-xs-12" style="text-align**: **center**; **color**: **#ff8800"**>Leaderboard</**h1**>  
 <**h2 class="col-xs-12" id="position" style="text-align**: **center**; **color**: **#ff8800"**></**h2**>  
 <**table id="leaderboardTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>PassengerID</**th**>  
 <**th** ></**th**>  
 <**th**>Name</**th**>  
 <**th**>Experience</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**div id="BtnDiv" class="col-xs-12"**>  
 <**input type="button" id="backBtn" value="Go Back" class="btn btn-primary col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**div**>  
</**body**>  
</**html**>

### 1.1.10. liftComplete.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" async defer type="text/javascript"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**link rel="stylesheet" href="css/star-rating.css"**>  
 <**link rel="stylesheet" href="css/theme.css"**>  
 <**script src="js/star-rating.js"**></**script**>  
 <**script src="js/theme.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
<**script**>  
 **window**.onload = *displayRatingTables*();  
</**script**>  
 <**meta charset="UTF-8"**>  
 <**title**>Title</**title**>  
</**head**>  
<**body class="container"**>  
 <**h2 style="color**: **#ff8800**; **text-align**: **center**;**" class="col-xs-12"**>Complete!</**h2**>  
 <**h4 style="color**: **#ff8800**; **text-align**: **center**;**" class="col-xs-12"**>Please rate the other passengers</**h4**>  
 <**h5 style="color**: **#ff8800**; **text-align**: **center**;**" class="col-xs-12" id="driverHeader"**>Driver</**h5**>  
 <**table id="driverRatingTbl" class="table table-inverse table-hover col-xs-12"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="col-xs-5"**>Name</**th**>  
 <**th class=" hidden"**>ID</**th**>  
 <**th class="col-xs-7"**>Please Rate</**th**>  
 </**tr**>  
 <**tr**>  
 <**td id="driverName"**></**td**>  
 <**td** ></**td**>  
 <**td id="driverRating"**>  
 </**tr**>  
 </**table**>  
 <**h5 style="color**: **#ff8800**; **text-align**: **center**;**" class="col-xs-12" id="passengerHeader"**>Passengers</**h5**>  
 <**table id="ratingTbl" class="table table-inverse table-hover col-xs-12"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="col-xs-5"**>Name</**th**>  
 <**th class="hidden"**>ID</**th**>  
 <**th class="col-xs-7"**>Please Rate</**th**>  
 </**tr**>  
 </**table**>  
<**div id="completeRatingsBtnDiv" class="col-xs-12"**>  
 <**input type="button" value="Submit!" class="col-xs-12" id="submitRatingsBtn" onclick="***checkAllRated*()**"** />  
</**div**>  
</**body**>  
</**html**>

### 1.1.11. liftDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 *<!--access Google APIs and on callback calls function getliftdetail -->* <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc&callback=getLiftDetails" async defer type="text/javascript"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**script**>  
 **window**.onload = **function** (){  
 **document**.getElementById(**'passengerIDRdOnly'**).**value** = **sessionStorage**.getItem(**'passengerID'**);  
 };  
 **function** *profile*(){  
 *getProfile*(**document**.getElementById(**'driverPassengerIDRdOnly'**).value);  
 }  
 </**script**>  
 <**title**>Lift Details</**title**>  
</**head**>  
<**body class="container"** >  
 <**div id="lift-map-canvas" class="col-xs-12"**></**div**>  
 <**div id="liftDetailsForm" class="col-xs-12 "** >  
 <**div id="liftDetailsInnerDiv" class="col-xs-12"**>  
 <**form method='post' id="liftReqForm" class="col-xs-12"**>  
 <**input type="number" name="liftID" id="liftIDRdOnly" class="hidden col-xs-12 liftDetailsInput" readonly** />  
 <**input type="number" name="passengerID" id="passengerIDRdOnly" class="hidden col-xs-12 liftDetailsInput" readonly** />  
 </**form**>  
 <**input type="number" name="driverPassengerID" id="driverPassengerIDRdOnly" class="hidden col-xs-12 liftDetailsInput" readonly** />  
 <**i class="fa fa-user col-xs-12" aria-hidden="true" onclick="***profile*()**"**></**i**>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverRdOnly"**>Driver </**label**>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverRatingRdOnly"**>Rating</**label**>  
 <**input type="text" id="driverRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="driverRatingRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**label class="col-xs-12 liftDetailsLabels" for="startRdOnly"**>Start</**label**>  
 <**input type="text" id="startRdOnly" class="col-xs-12 liftDetailsInput" readonly** />  
 <**label class="col-xs-12 liftDetailsLabels" for="destinationRdOnly"**>Destination </**label**>  
 <**input type="text" id="destinationRdOnly" class="liftDetailsInput col-xs-12" readonly** />  
 </**div**>  
 <**div class="col-xs-12"**>  
 <**label class="col-xs-12 liftDetailsLabels" for="departDateRdOnly"**>Departing </**label**>  
 <**input type="text" id="departDateRdOnly" class="col-xs-12 liftDetailsInput" readonly** />  
 </**div**>  
 <**div id="liftDetailsSeatsDiv" class="col-xs-12"**>  
 <**label class="col-xs-12 seatDetails" for="seatsRdOnly"** >Seats </**label**>  
 <**input type="text" id="seatsRdOnly" class="col-xs-12 seatDetailsInput" readonly** />  
 </**div**>  
  
 <**div id="liftDetailsBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-6" onclick="window**.location = **'availableLifts.html'"** />  
 <**input type="button" id="subLiftReqBtn" value="Request Lift" class="btn btn-primary liftDetailsBtns col-xs-6" onclick="***sendLiftReq*()**"** />  
 </**div**>  
 </**div**>  
</**body**>  
</**html**>

### 1.1.12. login.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**title**>Carpool</**title**>  
 <**script**>  
 **window**.onload = *checkLoginStatus*();  
 **function** *register*() {  
 **window**.location = **"register.html"**;  
 }  
 </**script**>  
</**head**>  
<**body class="container"** >  
<**form method="post" id="login\_form"**>  
 <**div id="loopracLogoDiv" class="col-xs-12"**>  
 <**img id="logo" src="img/Looprac\_logo.png"** />  
 </**div**>  
 <**div class="loginDiv col-xs-12"**>  
 <**label id="emailLbl" class="customLbls col-xs-12" for="emailInput"**>E-mail</**label**>  
 <**input type="email" id="emailInput" name="email\_login" class="customInputs col-xs-12" placeholder="sample@email.com"**/>  
 <**label id="passwordLbl" class="customLbls col-xs-12" for="passwordInput"**>Password</**label**>  
 <**input type="password" id="passwordInput" name="password\_login" class="customInputs col-xs-12" placeholder="password"**/>  
 <**div class="col-xs-12"**>  
 <**input type="button" value="Register" id="registerBtn" class="loginBtns btn btn-primary col-xs-6" onclick="***register*()**"**/>  
 <**input type="submit" value="Login" id="loginBtn" class="loginBtns btn btn-primary col-xs-6" onclick="***login*()**"**/>  
 </**div**>  
 </**div**>  
</**form**>  
</**body**>  
</**html**>

### 1.1.13. main\_page.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/index.css"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" async defer type="text/javascript"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.min.css"**>  
 <**meta charset="UTF-8"**>  
 <**title**>Title</**title**>  
 <**style**>  
 </**style**>  
 <**script**>  
 **window**.onload = **function** (){  
 *mainPageMap*();  
 *getPicture*(**sessionStorage**.getItem(**'userID'**));  
 **var** sessionP = **document**.getElementById(**"sessionP"**);  
 sessionP.**innerHTML** = **sessionStorage**.getItem(**'firstName'**);  
 **document**.getElementById(**'userID'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 **var** userID = **sessionStorage**.getItem(**'userID'**);  
 **var** fname = **sessionStorage**.getItem(**'firstName'**);  
 **var** lname = **sessionStorage**.getItem(**'lastName'**);  
 **var** passID = **sessionStorage**.getItem(**'passengerID'**);  
 **var** driveID = **sessionStorage**.getItem(**'myDriverID'**);  
 **var** loggedin = **sessionStorage**.getItem(**'loggedIn'**);  
 console.log(**'session data: '** + userID + **' '** + fname + **' '** + lname + **' '** + passID + **' '** + driveID + **' '** + loggedin);  
 };  
 */\* Set the width of the side navigation to 250px \*/* **function** *openNav*() {  
 **document**.getElementById(**"mySidenav"**).**style**.**width** = **"250px"**;  
 }  
 */\* Set the width of the side navigation to 0 \*/* **function** *closeNav*() {  
 **document**.getElementById(**"mySidenav"**).**style**.**width** = **"0"**;  
 }  
 </**script**>  
</**head**>  
<**body class="container"**>  
<**div id="mySidenav" class="sidenav"**>  
 <**div id="profilePicDiv"**>  
 <**img id="profilePic" src="" class="col-xs-12"**/>  
 </**div**>  
 <**p id="sessionP" class="col-xs-12" style="color**: **#ff8800**; **font-size**: 35**px**; **text-align**: **center**;**" onclick="***getProfile*(**sessionStorage**.getItem(**'passengerID'**))**"**> </**p**>  
 <**a href="javascript:void(0)" class="closebtn" onclick="***closeNav*()**"**>**&times;**</**a**>  
 <**a href="availableRequests.html"**>My Requests</**a**>  
 <**a href="myGroups.html"**>My Groups</**a**>  
 <**a href="myLifts.html"**>My Lifts</**a**>  
 <**a href="leaderboard.html"**>Leaderboard</**a**>  
 <**a href="#" onclick="***logout*()**"**>Logout</**a**>  
</**div**>  
<**div id="sessionDiv" class="col-xs-12"**>  
 <**i id="hamburgerMenuIcon" class="fa fa-bars col-xs-12" aria-hidden="true" onclick="***openNav*()**"**></**i**>  
 <**form method="post" id="hiddenMainPageForm"**>  
 <**input type="number" class="hidden" name="userID" readonly id="userID"** />  
 </**form**>  
</**div**>  
<**div id="map-canvas" class="col-xs-12"**></**div**>  
<**div id="choiceDiv" class="col-xs-12"**>  
 <**input type="button" id="mainPageOfferLiftBtn" class="btn btn-primary col-xs-6" value="Offer Lift" onclick="***checkHasCarRegistered*()**"** />  
 <**input type="button" id="searchLiftBtn" class="btn btn-primary col-xs-6" value="Search for Lift" onclick="window**.location = **'availableLifts.html'"** />  
</**div**>  
</**body**>  
</**html**>

### 1.1.14. myCompletedGroups.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**script**>  
 **window**.onload = **function** () {  
 **document**.getElementById(**'userIDHidden'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 *updateMyCompletedGroups*();  
 }  
 </**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**title**>My Completed Groups</**title**>  
</**head**>  
<**body class="container"** >  
<**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
 <**li role="presentation" class="col-xs-6"**><**a href="myGroups.html"**>Active</**a**> </**li**>  
 <**li role="presentation" class="active col-xs-6"**><**a href="myCompletedGroups.html"**>Completed</**a**> </**li**>  
</**ul**>  
<**h2 style="text-align**: **center**;**" class="col-xs-12 myHeaders"**>My Completed Groups</**h2**>  
<**form id="myCompletedGroupHiddenForm"**>  
 <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
</**form**>  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="myCompletedGroupsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>liftID</**th**>  
 <**th**>Driver Name</**th**>  
 <**th**>Departed</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### 1.1.15. myCompletedLiftDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" async defer type="text/javascript"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = **function** (){  
 *showMyCompletedLiftDetails*(**sessionStorage**.getItem(**'myCompletedLiftID'**));  
 };  
 **function** *profile*(){  
 *getProfile*(**document**.getElementById(**'hiddenDriverPassengerID'**).value);  
 }  
 </**script**>  
 <**title**>My Completed Lift Details</**title**>  
</**head**>  
<**body class="container"** >  
<**div id="myLift-map-canvas" class="col-xs-12"** > </**div**>  
<**div id="myCompletedLiftDetailsDiv" class="col-xs-12 "** >  
 <**div id="myCompletedLiftDetailsInnerDiv" class="col-xs-12"**>  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**"**>Car & Driver</**h4**>  
 <**i id="profileIcon" class="fa fa-user col-xs-12" aria-hidden="true" onclick="***profile*()**"**></**i**>  
 <**label class="col-xs-12 liftDetailsLabels" for="driverNameRdOnly"**>Driver</**label**>  
 <**input type="number" id="hiddenDriverPassengerID" class="hidden"** />  
 <**input type="text" id="driverNameRdOnly" class="liftDetailsInput col-xs-12" readonly** />  
 <**label class="col-xs-6 liftDetailsLabels" for="carRegRdOnly"**>Car Registration</**label**>  
 <**label class="col-xs-6 liftDetailsLabels" for="driverRatingRdOnly"**>Rating</**label**>  
 <**input type="text" id="carRegRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="driverRatingRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**" class="col-xs-12"**>Route</**h4**>  
 <**label class="col-xs-12 liftDetailsLabels" for="routeRdOnly"**>Route</**label**>  
 <**input type="text" id="routeRdOnly" class="col-xs-8 liftDetailsInput" readonly** />  
 <**label class="col-xs-6 liftDetailsLabels" for="departDateRdOnly"**>Departed Date </**label**>  
 <**input type="text" id="departDateRdOnly" class="col-xs-6 liftDetailsInput" readonly** />  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**" id="numOfPassengersHeader" class="col-xs-12"**></**h4**>  
 <**input type="number" id="hiddenNumOfPassengers" class="hidden"** />  
 <**table id="passengersTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>userID</**th**>  
 <**th**>Name</**th**>  
 <**th**>Rating</**th**>  
 <**th**>Phone</**th**>  
 </**tr**>  
 </**table**>  
 <**div id="liftDetailsBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="myLiftDetailsCancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-12" onclick="window**.location = **'main\_page.html'"** />  
 </**div**>  
 </**div**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.16. myGroups.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/bootstrap-toggle.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**script**>  
 **window**.onload = **function** () {  
 **document**.getElementById(**'userIDHidden'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 *updateMyGroups*();  
 }  
 </**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**title**>Available Requests</**title**>  
</**head**>  
<**body class="container"** >  
<**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
 <**li role="presentation" class="active col-xs-6"**><**a href="myGroups.html"**>Active</**a**> </**li**>  
 <**li role="presentation" class="col-xs-6"**><**a href="myCompletedGroups.html"**>Completed</**a**> </**li**>  
</**ul**>  
<**h2 style="text-align**: **center**;**" class="col-xs-12 myHeaders"**>My Groups</**h2**>  
<**form id="myReqHiddenForm"**>  
 <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
</**form**>  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="myGroupsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>liftID</**th**>  
 <**th**>Driver Name</**th**>  
 <**th**>Departing</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### 1.1.17. myLiftDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" defer type="text/javascript"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = **function** (){  
 *showMyLiftDetails*(**sessionStorage**.getItem(**'myLiftID'**));  
 };  
 </**script**>  
 <**title**>My Lift Details</**title**>  
</**head**>  
<**body class="container"** >  
<**div id="myLift-map-canvas" class="col-xs-12"** > </**div**>  
<**div id="beginLiftBtnDiv" class="col-xs-12"**><**input type="button" class="col-xs-12" id="startLiftBtn" value="Begin!" onclick="***checkIfCanDepart*()**"** />  
 <**input type="button" id="deleteLiftBtn" class="hidden col-xs-12 " value="Delete Lift" onclick="***deleteLift*()**"** />  
</**div**>  
<**div id="myLiftDetailsDiv" class="col-xs-12 "** >  
 <**div id="myLiftDetailsInnerDiv" class="col-xs-12"**>  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**"**>Car</**h4**>  
 <**input type="number" id="hiddenLiftID" class="hidden" readonly**/>  
 <**input type="number" id="hiddenDriverID" class="hidden" readonly**/>  
 <**label class="col-xs-6 liftDetailsLabels" for="spacesAvailableRdOnly"**>Spaces Available </**label**>  
 <**label class="col-xs-6 liftDetailsLabels" for="carRegRdOnly"**>Car Registration</**label**>  
 <**input type="text" id="spacesAvailableRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="carRegRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**label class="col-xs-12 liftDetailsLabels" for="routeRdOnly"**>Route</**label**>  
 <**input type="text" id="routeRdOnly" class="col-xs-12 liftDetailsInput" readonly** />  
 <**label class="col-xs-12 liftDetailsLabels" for="departDateRdOnly"**>Departing</**label**>  
 <**input type="text" id="departDateRdOnly" class="col-xs-12 liftDetailsInput" readonly** />  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**" id="numOfPassengersHeader" class="col-xs-12"**></**h4**>  
 <**input type="number" id="hiddenNumOfPassengers" class="hidden"** />  
 <**table id="passengersTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>PassengerID</**th**>  
 <**th**>Name</**th**>  
 <**th**>Rating</**th**>  
 <**th**>Phone</**th**>  
 </**tr**>  
 </**table**>  
 <**div id="liftDetailsBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="myLiftDetailsCancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-12" onclick="window**.location = **'myLifts.html'"** />  
 </**div**>  
 </**div**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.18. myLifts.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/bootstrap-toggle.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**script**>  
 **window**.onload = **function** () {  
 **document**.getElementById(**'userIDHidden'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 *updateMyLifts*();  
 }  
 </**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**title**>My Lifts</**title**>  
</**head**>  
<**body class="container"** >  
<**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
 <**li role="presentation" class="active col-xs-6"**><**a href="myLifts.html"**>Active</**a**> </**li**>  
 <**li role="presentation" class="col-xs-6"**><**a href="completedLifts.html"**>Completed</**a**> </**li**>  
</**ul**>  
<**h2 style="text-align**: **center**;**" class="col-xs-12 myHeaders"**>My Lifts</**h2**>  
<**form id="myLiftsHiddenForm"**>  
 <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
</**form**>  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="myLiftsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>liftID</**th**>  
 <**th**>Route</**th**>  
 <**th**>Departing</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### 1.1.19. myRequestsPage.html

<!DOCTYPE **html**>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script**>  
 **window**.onload = **function** () {  
 **document**.getElementById(**'userIDHidden'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 *updateMyRequests*();  
 }  
 </**script**>  
 <**title**>Available Requests</**title**>  
</**head**>  
<**body class="container"** >  
<**ul class="requestsTabs nav nav-tabs col-xs-12"**>  
 <**li role="presentation" class="col-xs-6"**><**a href="availableRequests.html"**>Requests</**a**> </**li**>  
 <**li role="presentation" class="active col-xs-6"**><**a href="myRequestsPage.html"**>Requested</**a**> </**li**>  
</**ul**>  
<**form id="myReqHiddenForm"**>  
 <**input id="userIDHidden" type="number" class="hidden" name="userID"**>  
</**form**>  
<**div id="listDiv" class="col-xs-12"** >  
 <**table id="myRequestsTbl" class="table table-inverse table-hover"**>  
 <**tr style="color**: **#ffffff**;**"** >  
 <**th class="hidden"**>RequestID</**th**>  
 <**th class="hidden"**>LiftID</**th**>  
 <**th class="hidden"**>DriverID</**th**>  
 <**th class="hidden"**>PassengerID</**th**>  
 <**th**>Driver Name</**th**>  
 <**th**>Status</**th**>  
 </**tr**>  
 </**table**>  
</**div**>  
<**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary cancelLocationBtns col-xs-12" onclick="window**.location =**'main\_page.html'"** />  
</**body**>  
</**html**>

### 1.1.20. offerLift.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" type="text/javascript"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**title**>Offer Lift</**title**>  
 <**script**>  
 **window**.onload = **function** fillLocationCoords() {  
 **document**.getElementById(**'userID'**).**value** = **sessionStorage**.getItem(**'userID'**);  
 **if** (**sessionStorage**.getItem(**'start\_local'**)){  
 console.log(**'in if statement '**);  
 **document**.getElementById(**'locationInput'**).**value** = **sessionStorage**.getItem(**'start\_local'**);  
 **document**.getElementById(**'lat'**).**value** = **sessionStorage**.getItem(**'start\_local\_lat'**);  
 **document**.getElementById(**'lng'**).**value** = **sessionStorage**.getItem(**'start\_local\_lng'**);  
 **document**.getElementById(**'start\_county'**).**value** = **sessionStorage**.getItem(**'start\_county'**);  
 }  
 **if** (**sessionStorage**.getItem(**'destination\_local'**)){  
 console.log(**'in if destination statement '**);  
 **document**.getElementById(**'destinationInput'**).**value** = **sessionStorage**.getItem(**'destination\_local'**);  
 **document**.getElementById(**'destinationLat'**).**value** = **sessionStorage**.getItem(**'destination\_local\_lat'**);  
 **document**.getElementById(**'destinationLng'**).**value** = **sessionStorage**.getItem(**'destination\_local\_lng'**);  
 **document**.getElementById(**'destination\_county'**).**value** = **sessionStorage**.getItem(**'destination\_county'**);  
 }  
 };  
 </**script**>  
</**head**>  
<**body** >  
<**div class="container"**>  
 <**div id="loopLogoDiv" class="col-xs-12"**>  
 <**img class="col-xs-12" id="mapIconLogo" src="img/icon.png"** />  
 </**div**>  
 <**form id="offerLiftForm" name="offerLiftForm" class="col-xs-12"**>  
 <**div id="offerLiftDiv" class="col-xs-12"**>  
 <**input type="number" class="hidden" readonly id="userID" name="userID"**/>  
 <**label id="locationLbl" class="customLbls col-xs-12" for="locationInput"**>Location</**label**>  
 <**input type="text" id="locationInput" name="start" class="customInputs col-xs-12" placeholder="click on 'Show Map'" readonly required**/>  
 <**input type="number" step="0.01" id="lat" name="latitude" style="display**:**none" class=" customInputs col-xs-12" placeholder="latitude" readonly** />  
 <**input type="number" step="0.01" id="lng" name="longitude" style="display**:**none" class=" customInputs col-xs-12" placeholder="longitude" readonly**/>  
 <**input type="text" id="start\_county" name="start\_county" style="display**:**none" class=" customInputs col-xs-12" placeholder="county" readonly**/>  
 <**a id="locationMapLink" class="mapLinks col-xs-12" href="startLocalMap.html"**>Show Map</**a**>  
 <**label id="destinationlLbl" class="customLbls col-xs-12" for="destinationInput"**>Destination</**label**>  
 <**input type="text" id="destinationInput" name="destination" class="customInputs col-xs-12" placeholder="click on 'Show Map'" readonly required**/>  
 <**input type="number" step="0.01" id="destinationLat" style="display**:**none" name="destinationLatitude" class=" customInputs col-xs-12" placeholder="latitude" readonly=""**/>  
 <**input type="number" step="0.01" id="destinationLng" style="display**:**none" name="destinationLongitude" class=" customInputs col-xs-12" placeholder="longitude" readonly**/>  
 <**input type="text" id="destination\_county" name="destination\_county" style="display**:**none" class=" customInputs col-xs-12" placeholder="county" readonly**/>  
 <**a id="destinationMapLink" class="mapLinks col-xs-12" href="destinationLocalMap.html"**>Show Map</**a**>  
 <**label id="departDateLbl" class="customLbls col-xs-12" for="departingInput"**>Departing</**label**>  
 <**input type="datetime-local" id="departingInput" name="departing" class="departInputs col-xs-12" placeholder="dd/mm/yyyy --:--" required**/>  
 <**label id="seatsLbl" class="customLbls col-xs-12" for="seatsInput" style="text-align**:**center**;**"**>Spaces</**label**>  
 <**select id="seatsInput" class="dropdownInputs col-sx-12 departInputs" name="seats"**>  
 <**option value="1"**>1</**option**>  
 <**option value="2"**>2</**option**>  
 <**option value="3"**>3</**option**>  
 <**option value="4"**>4</**option**>  
 <**option value="5"**>5</**option**>  
 <**option value="6"**>6</**option**>  
 </**select**>  
 <**div class="col-xs-12"**>  
 <**input type="button" value="Cancel" id="cancelBtn" class="offerLiftBtns btn btn-primary col-xs-6" onclick="window**.location =**'main\_page.html'"**/>  
 <**input type="submit" value="Offer Lift" id="offerLiftBtn" class="offerLiftBtns btn btn-primary col-xs-6" onclick="***subOfferLift*()**"**/>  
 </**div**>  
 </**div**>  
 </**form**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.21. profile.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**link rel="stylesheet" href="css/star-rating.css"**>  
 <**link rel="stylesheet" href="css/theme.css"**>  
 <**script src="js/star-rating.js"**></**script**>  
 <**script src="js/theme.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**script type="application/javascript"**>  
 **window**.onload =**function** () {  
 *populateProfile*(**sessionStorage**.getItem(**'profileUserID'**));  
 *getPicture*(**sessionStorage**.getItem(**'profileUserID'**));  
 }  
 </**script**>  
 <**title**>My Profile</**title**>  
</**head**>  
<**body class="container"**>  
<**form id="profileForm" method="post" action="http://looprac.pythonanywhere.com/registeruser" enctype="multipart/form-data"**>  
 <**input type="button" id="deleteBtn" class="col-xs-12 hidden" value="Delete Account" onclick="***deleteAccount*()**"** />  
 <**div id="profilePicDiv" class="col-xs-12"**>  
 <**img id="profilePic" src="" class="col-xs-12"**/>  
 </**div**>  
 <**div id="profileDetailsDiv" class="col-xs-12"**>  
 <**input type="number" name="userID" id="hiddenUserId" class="hidden" readonly** />  
 <**input id="file" name="file" type="file" required class="hidden"**/>  
 <**label class="col-xs-12 profileLbs" for="profileCreated"**>Member Since</**label**>  
 <**input type="text" class="col-xs-12 profileInputs" id="profileCreated" readonly** />  
 <**h1 id="profileName" class="col-xs-12" style="text-align**: **center**;**color**: **#ff8800**;**"**></**h1**>  
 <**label class="col-xs-12 profileLbs" for="profilePhone"**>Phone Number</**label**>  
 <**input name="phone" type="text" class="col-xs-12 profileInputs" id="profilePhone" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profileEmail"**>Email</**label**>  
 <**input name="email" type="text" class="col-xs-12 profileInputs" id="profileEmail" readonly** />  
 </**div**>  
 <**div id="profileRatingExpDiv"**>  
 <**input id="profileRating" data-step="0.1" type="text" value="" class=" col-xs-6 " data-show-clear="false" data-size="sm" readonly**>  
 <**input type="text" id="profileRatingAmt" class="col-xs-12 profileInputs" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profileExp"**>Experience</**label**>  
 <**input type="text" class="col-xs-12 profileInputs" id="profileExp" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profileDistance"**>Distance travelled with other people</**label**>  
 <**input type="text" class="col-xs-12 profileInputs" id="profileDistance" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profilePassengers" id="passengerLbl"**>Number of Passengers</**label**>  
 <**input type="text" class="col-xs-12 profileInputs" id="profilePassengers" readonly** />  
 </**div**>  
 <**div id="profileCarDetailsDiv"**>  
 <**h3 class="col-xs-12" style="text-align**: **center**;**color**: **#ff8800**;**"** >Car Details</**h3**>  
 <**label class="col-xs-12 profileLbs" for="profileCarMake"**>Make</**label**>  
 <**input type="text" name="carMake" class="col-xs-12 profileInputs" id="profileCarMake" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profileCarModel"**>Model</**label**>  
 <**input type="text" name="carModel" class="col-xs-12 profileInputs" id="profileCarModel" readonly** />  
 <**label class="col-xs-12 profileLbs" for="profileCarReg"**>Registration</**label**>  
 <**input type="text" name="carReg" class="col-xs-12 profileInputs" id="profileCarReg" readonly** />  
 </**div**>  
 <**div id="profileBtnsDiv"**>  
 <**input type="button" id="saveChangesBtn" class="col-xs-12 hidden" value="Save" onclick="***updateInfo*()**"** />  
 <**input type="button" id="profileBackBtn" class="col-xs-6" value="Back" onclick="history**.back()**"**/>  
 <**input type="button" id="profileEditBtn" class="col-xs-6" value="Edit" onclick="***edit*()**"** />  
 </**div**>  
</**form**>  
</**body**>  
</**html**>

### 1.1.22. register.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/bootstrap-toggle.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**title**>Register</**title**>  
</**head**>  
<**body class="container"**>  
<**form id="form" method="post" action="http://looprac.pythonanywhere.com/registeruser" enctype="multipart/form-data"**>  
 <**div id="registerHeaderDiv" class="col-xs-12"**>  
 <**h1 class="registerH1"**>Register</**h1**>  
 </**div**>  
 <**div id="registerDiv" class="col-xs-12"**>  
 <**label id="firstNameLbl" class="customLbls col-xs-12" for="firstNameInput"**>First Name</**label**>  
 <**input type="text" id="firstNameInput" name="firstName" class="customInputs col-xs-12" placeholder="John" pattern="^[a-z A-Z]+$" title="Letters only" required="required"** />  
 <**label id="lastNameLbl" class="customLbls col-xs-12" for="lastNameInput"**>Last Name</**label**>  
 <**input type="text" id="lastNameInput" name="lastName" class="customInputs col-xs-12" placeholder="Sample" pattern="^[a-z A-Z]+$" title="Letters only" required="required"** />  
 <**label id="emailLbl" class="customLbls col-xs-12" for="emailInput"**>Email</**label**>  
 <**input type="email" id="emailInput" name="email" class="customInputs col-xs-12" placeholder="sample@email.com" pattern="[a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$" required="required"** />  
 <**div**><**p id="emailError" style="color**: **#ffffff**; **font-weight**: **bold**;**"**></**p**> </**div**>  
 <**label id="phoneNumLbl" class="customLbls col-xs-12" for="phoneInput"**>Phone No.</**label**>  
 <**input type="number" id="phoneInput" name="phoneNum" class="customInputs col-xs-12" pattern="" placeholder="0851234567" required="required"** />  
 <**label id="passwordLbl" class="customLbls col-xs-12" for="passwordInput"**>Password</**label**>  
 <**input type="password" id="passwordInput" name="password" class="customInputs col-xs-12" pattern="(?=.\*\d)(?=.\*[a-z])(?=.\*[A-Z]).{8,}" placeholder="Must be at least 6 characters" required="required" title="Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters"**/>  
 <**label id="photoLbl" class="customLbls col-xs-12" for="file"**>Photo</**label**>  
 <**input id="file" name="file" type="file" required**/>  
 <**p class="col-xs-12" style="text-align**: **center**; **color**: **#eae8ff**;**"**>  
 Please make this a clear photo of yourself. This is to help other users identify you, when sharing a lift.  
 </**p**>  
 <**div class="registerBtnsDiv col-xs-12"**>  
 <**input type="button" value="Cancel" id="cancelBtn" class="registerBtns btn btn-primary col-xs-6" onclick="window**.location = **'login.html'"**/>  
 <**input type="submit" value="Register" id="registrationBtn" class="registerBtns btn btn-primary col-xs-6" onclick=***RegisterUser*(); />  
 </**div**>  
 </**div**>  
</**form**>  
</**body**>  
</**html**>

### 1.1.23. requestDetails.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=no, width=device-width"**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**script src="js/bootstrap.min.js"**></**script**>  
 <**script src="js/bootstrap-toggle.min.js"**></**script**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc" async defer type="text/javascript"**></**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**link rel="stylesheet" href="css/font-awesome.css"**>  
 <**script**>  
 **window**.onload = **function** (){  
 **document**.getElementById(**'requestIDRdOnly'**).**value** = **sessionStorage**.getItem(**'requestID'**);  
 *getRequestDetails*();  
 };  
 **function** *profile*(){  
 *getProfile*(**document**.getElementById(**'hiddenPassengerID'**).value);  
 }  
 </**script**>  
 <**link rel="stylesheet" type="text/css" href="css/index.css"**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/bootstrap-toggle.min.css"**>  
 <**title**>Request Details</**title**>  
</**head**>  
<**body class="container"** >  
<**h2 style="color**: **#ff8800**;**text-align**: **center**;**" class="col-xs-12"**>Lift Request</**h2**>  
<**div id="myRequestMap-Canvas" class="col-xs-12"**></**div**>  
<**div id="liftDetailsForm" class="col-xs-12 "** >  
 <**div class="col-xs-12"**>  
 <**form method='post' id="liftReqForm" class="col-xs-12"**>  
 <**input type="number" name="requestID" id="requestIDRdOnly" class="hidden col-xs-12 liftDetailsInput" readonly** />  
 </**form**>  
 <**h4 class="col-xs-12" style="color**: **#ff8800**;**text-align**: **center**;**"**>Passenger Details</**h4**>  
 <**i class="fa fa-user col-xs-12" aria-hidden="true" onclick="***profile*()**"**></**i**>  
 <**input type="number" id="hiddenPassengerID" class="hidden"** />  
 <**label class="col-xs-6 liftDetailsLabels" for="passengerNameRdOnly"**>Name </**label**>  
 <**label class="col-xs-6 liftDetailsLabels" for="passengerRatingRdOnly"**>Rating</**label**>  
 <**input type="text" id="passengerNameRdOnly" class="liftDetailsInput col-xs-6" readonly** />  
 <**input type="text" id="passengerRatingRdOnly" class="col-xs-6 liftDetailsInput" readonly** />  
 <**h4 style="color**: **#ff8800**;**text-align**: **center**;**"**>Leaving on</**h4**>  
 <**label class="col-xs-6 liftDetailsLabels" for="departDateRdOnly"**>Depart Date </**label**>  
 <**input type="text" id="departDateRdOnly" class="col-xs-6 liftDetailsInput" readonly** />  
 </**div**>  
 <**div id="liftDetailsBtnDiv" class="col-xs-12"**>  
 <**input type="button" id="denyReqBtn" value="Deny" class="btn btn-primary liftDetailsBtns col-xs-4" onclick="***denyRequest*()**"** />  
 <**input type="button" id="cancelBtn" value="Go Back" class="btn btn-primary liftDetailsBtns col-xs-4" onclick="window**.location =**'availableRequests.html'"** />  
 <**input type="button" id="acceptReqBtn" value="Accept" class="btn btn-primary liftDetailsBtns col-xs-4" onclick="***acceptRequest*()**"** />  
 </**div**>  
</**div**>  
</**body**>  
</**html**>

### 1.1.24. startLocalMap.html

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>map</**title**>  
 <**link rel="stylesheet" href="css/bootstrap.min.css"**>  
 <**link rel="stylesheet" href="css/index.css"**>  
 <**script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAXN5xs4epnIsoBhsQnTHBKN5bGiPdbPUc&callback=initMap" type="text/javascript"**></**script**>  
 <**script src="js/jquery-3.1.1.min.js"**></**script**>  
 <**meta charset="UTF-8"**>  
 <**title**>Title</**title**>  
 <**script src="js/Looprac.js"**></**script**>  
 <**script**>  
 **window**.onload = *initMap*();  
 </**script**>  
</**head**>  
<**body class="container"**>  
<**div id="map-canvas" class="col-xs-12"**></**div**>  
<**div class="locationDivs"** >  
 <**input type="number" id="chosen\_lat" class="hidden" name="chosen\_lat" placeholder="latitude"** />  
 <**input type="number" id="chosen\_long" class="hidden" name="chosen\_long" placeholder="longitude"** />  
 <**input type="text" id="chosen\_county" class="hidden" name="county" placeholder="county"** />  
 <**input type="text" id="location" name="location" placeholder="location" class="col-xs-12"** />  
 <**input type="button" class="btn btn-primary cancelLocationBtns col-xs-6" value="Cancel" onclick="window**.**history**.back()**"**/>  
 <**input type="button" id="startLocationBtn" class="btn btn-primary locationBtns col-xs-6" value="Submit" onclick="***locationChoice*()**"**/>  
</**div**>  
</**body**>  
</**html**>

## CSS

*/\*GENERAL CSS\*/***@font-face** {  
 **font-family**: **Custom**;  
 **font-style**: **normal**;  
 **font-weight**: 100;  
 **src**:  
 **local**(**'Roboto Thin'**),  
 **local**(**'Roboto-Thin'**),  
 **local**(**'sans-serif-thin'**),  
 **url**(**'../fonts/Roboto-Thin.ttf'**) **format**(**'ttf'**);  
 */\*unicode-range: U+0460-052F, U+20B4, U+2DE0-2DFF, U+A640-A69F;\*/*}  
  
**body**{  
 **background**: **#241023!important**;  
 **font-family**: **Custom !important**;  
}  
  
**#logoutIcon**{  
 **text-align**: **right**;  
 **position**: **absolute**;  
 **right**: 0;  
 **font-size**: 35**px**;  
 **top**: 0;  
}  
  
.**customInputs**{  
 **background-color**: **transparent**;  
 **border-radius**: 8**px**;  
 **border**: **none**;  
 **border-bottom**: 1**px solid #ff8800**;  
 **display**: **flex**;  
 **flex-wrap**: **wrap**;  
 **color**: **#ffffff**;  
}  
  
.**customInputs**:**focus**{  
 **outline**: **none**;  
}  
  
.**customLbls**{  
 **color**: **#eae8ff**;  
 **position**: **relative**;  
 **font-size**: 160%;  
 **padding**:0;  
}  
  
*/\*INDEX(LOGIN) CSS \*/***#logo** {  
 **width**: 100%;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **height**: 70**px**;  
 **align-items**: **flex-end**;  
}  
  
**#loopracLogoDiv**{  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **height**: 135**px**;  
 **align-items**: **flex-end**;  
}  
  
.**loginDiv**{  
 **margin**: 5**px** 0 10**px** 0;  
 **width**: 256**px**;  
 **height**: 35**px**;  
 **position**: **relative**;  
 **top**: 82**px**;  
}  
  
.**loginBtnDiv**{  
 **position**: **relative**;  
 **top**: 50**px**;  
}  
  
**#loginBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ff8800**;  
 **color**: **#ff8800**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
 **margin-left**: 6%;  
}  
.**loginBtns** {  
 **position**: **relative**;  
 **top**: 60**px**;  
 **width**: 47%**!important**;  
 **height**: 100%;  
 **font-size**: 114% **!important**;  
}  
  
**#registerBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#eae8ff**;  
 **color**: **#eae8ff**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
*/\*REGISTER CSS\*/***#registerHeaderDiv**{  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **height**: 104%;  
 **align-items**: **center**;  
}  
.**registerH1**{  
 **color**: **#ff8800**;  
 **font-size**: 500%;  
}  
  
**#registerDiv**{  
 **position**: **relative**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **height**: 104%;  
 **flex-wrap**: **wrap**;  
 **align-items**: **center**;  
}  
.**registerBtnsDiv**{  
 **display**: **flex**;  
 **justify-content**: **space-between**;  
 **height**: 33**px**;  
 **align-items**: **center**;  
}  
  
**#cancelBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#eae8ff**;  
 **color**: **#eae8ff**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
**#registrationBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ff8800**;  
 **color**: **#ff8800**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
 **margin-left**: 6%;  
}  
  
.**registerBtns**{  
 **position**: **relative**;  
 **width**: 44%**!important**;  
 **height**: 100%;  
 **font-size**:114%;  
}  
  
*/\* OFFER LIFT PAGE \*/***#offerLiftDiv**{  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **height**: 30**px**;  
 **align-items**: **center**;  
 **flex-wrap**: **wrap**;  
 **font-size**: 93%;  
 **font-family**: **'Roboto-Light'**, **sans-serif**;  
}  
  
**#liftTypeInput**{  
 **position**: **relative**;  
 **left**: 0;  
 **width**: 37%;  
 **height**: 35**px**;  
 **border-radius**: 7**px**;  
 **outline**:**none**;  
}  
  
**#liftTypeLbl**{  
 **position**:**relative**;  
 **right**:17**px**;  
}  
  
**#seatsLbl**{  
 **position**: **relative**;  
 **right**:17**px**;  
}  
**#seatsInput**{  
 **position**: **relative**;  
}  
  
.**departInputs**{  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **height**: 40**px !important**;  
 **margin**: **auto**;  
 **padding**: 0 0 0 0;  
 **text-align**: **center**;  
 **border-radius**: 6**px**;  
 **outline**: **none**;  
 **border**: **none**;  
 **border-bottom**: 1**px solid #ff8800**;  
}  
  
.**departInputs**:**focus**{  
 **outline**: **none**;  
}  
  
.**dropdownInputs**{  
 **position**: **relative**;  
 **width**: 49% **!important**;  
 **height**: 40**px !important**;  
 **margin**: **auto**;  
 **text-align**: **center**;  
 **border-radius**: 6**px**;  
 **outline**: **none**;  
}  
  
.**dropdownInputs**:**focus**{  
 **outline**: **none**;  
}  
  
.**offerLiftBtns**{  
 **position**: **relative**;  
 **top**: 60**px**;  
 **width**: 43%**!important**;  
 **height**: 100%;  
 **font-size**: 114% **!important**;  
}  
  
**#offerLiftBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ff8800**;  
 **color**: **#ff8800**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
 **margin-left**: 6%;  
}  
  
.**mapLinks**{  
 **color**: **#ccfbfe**;  
 **text-align**: **right**;  
}  
  
.**mapLinks**:**focus**{  
 **opacity**: .9;  
 **text-decoration**: **none**;  
}  
  
**#departDateLbl** {  
 **position**: **relative**;  
 **right**: 14**px**;  
}  
  
**#departTimeLbl** {  
 **position**: **relative**;  
 **right**: 17**px**;  
}  
  
**#loopLogoDiv**{  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **align-items**: **center**;  
}  
  
**#mapIconLogo**{  
 **max-width**: 80**px**;  
 **max-height**: 90%}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 AVAILABLE LIFTS PAGE  
 \*/***#listDiv**{  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **align-items**: **center**;  
}  
  
**#availableLiftsTbl** {  
 **position**: **relative**;  
 **justify-content**: **center**;  
 **align-items**: **center**;  
 **color**: **#ff8800**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 REQUEST LIFT PAGE  
 \*/***#liftDetailsDiv**{  
 **color**: **#ffffff**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **align-items**: **center**;  
 **flex-wrap**: **wrap**;  
}  
  
**#requestLiftBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ff8800**;  
 **color**: **#ff8800**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
**#cancelRequestBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ffffff**;  
 **color**: **#ffffff**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
**#requestPageInfinityLoopLogo**{  
 **width**:120**px**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 MAIN PAGE  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***#choiceDiv**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **bottom**: 0;  
 **left**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **font-size**: 35**px**;  
 **text-align**: **center**;  
}  
  
**#mainPageOfferLiftBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#ff8800**;  
 **color**: **#ff8800**;  
 **background-color**: **transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
 **margin**: 0 3**px** 0 0;  
}  
  
**#searchLiftBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#231024**;  
 **color**: **#231024**;  
 **background-color**: **#ff8800**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
 **margin**: 0 3**px** 0 0;  
}  
  
**#map-canvas**{  
 **top**: 60**px**;  
 **bottom**: 36**px**;  
 **right**: 0;  
 **left**:0;  
 **position**: **absolute**;  
}  
  
**#hamburgerMenuIcon**{  
 **position**: **relative**;  
 **color**: **#ff8800**;  
 **font-size**: 35**px**;  
 **text-align**: **center**;  
 **display**: **block**;  
}  
  
*/\*  
 OFFER LIFTS MAPS  
 \*/*.**locationBtns**{  
 **bottom**: 0;  
 **background-color**: **#ff8800**;  
 **color**: **#231024**;  
 **border-color**: **#ff8800**;  
}  
  
.**locationBtns**:**hover**{  
 **opacity**: .8;  
 **background-color**: **#ff8800**;  
 **color**: **#231024**;  
 **border-color**: **#ff8800**;  
}  
  
.**locationBtns**:**focus**{  
 **opacity**: .8;  
 **background-color**: **#ff8800**;  
 **color**: **#231024**;  
 **border-color**: **#ff8800**;  
}  
  
.**cancelLocationBtns**{  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **border-color**: **#ff8800**;  
}  
  
.**cancelLocationBtns**:**hover**{  
 **opacity**: .8;  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **border-color**: **#ff8800**;  
}  
  
.**cancelLocationBtns**:**focus**{  
 **opacity**: .8;  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **border-color**: **#ff8800**;  
}  
  
.**locationDivs**{  
 **position**: **absolute**;  
 **bottom**: 0;  
 **left**: 0;  
 **right**: 0;  
 **text-align**: **center**;  
}  
  
**#liftDetailsForm**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 100**px**;  
 **right**: 0;  
 **color**: **#ff8800**;  
}  
  
**#lift-map-canvas**{  
 **top**: 0;  
 **bottom**: 393**px**;  
 **right**: 0;  
 **left**:0;  
 **position**: **absolute**;  
}  
  
.**liftDetailsInput**{  
 **font-size**: 12**px**;  
 **background-color**: **transparent**;  
 **border**: **none**;  
 **color**: **#ffffff**;  
 **text-align**: **left**;  
}  
  
.**liftDetailsLabels**{  
 **text-align**: **left**;  
 **color**: **#ff8800**;  
}  
  
.**seatDetails**{  
 **text-align**: **center**;  
 **color**: **#ff8800**;  
}  
  
.**seatDetailsInput**{  
 **text-align**: **center**;  
 **font-size**: 40**px**;  
 **background-color**: **transparent**;  
 **outline**: **none**;  
 **border**: **none**;  
}  
  
**#liftDetailsSeatsDiv**{  
 **display**: **flex**;  
 **flex-wrap**: **wrap**;  
 **align-items**: **center**;  
}  
**#subLiftReqBtn**{  
 **background-color**: **#ff8800**;  
 **border-color**: **#ff8800**;  
 **color**: **#231024**;  
}  
  
**#subLiftReqBtn**:**focus**{  
 **background-color**: **#ff8800**;  
 **border-color**: **#ff8800**;  
}  
  
**#liftDetailsBtnDiv**{  
 **position**: **fixed**;  
 **bottom**: 0;  
 **right**: 0;  
}  
  
.**liftDetailsBtns**{  
 **position**: **relative**;  
 **top**:0;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
side nav bar: gotten from w3schools.com  
 \*/*.**sidenav** {  
 **height**: 100%; */\* 100% Full-height \*/* **width**: 0; */\* 0 width - change this with JavaScript \*/* **position**: **fixed**; */\* Stay in place \*/* **z-index**: 1; */\* Stay on top \*/* **top**: 0;  
 **left**: 0;  
 **background-color**: **#231024**;  
 **color**: **#ff8800**;  
 **overflow-x**: **hidden**; */\* Disable horizontal scroll \*/* **padding-top**: 60**px**; */\* Place content 60px from the top \*/* **transition**: 0.5**s**; */\* 0.5 second transition effect to slide in the sidenav \*/*}  
  
*/\* The navigation menu links \*/*.**sidenav a** {  
 **padding**: 8**px** 8**px** 8**px** 32**px**;  
 **text-decoration**: **none**;  
 **font-size**: 25**px**;  
 **color**: **#818181**;  
 **display**: **block**;  
 **transition**: 0.3**s**}  
  
*/\* When you mouse over the navigation links, change their color \*/*.**sidenav a**:**hover**, .**offcanvas a**:**focus**{  
 **color**: **#f1f1f1**;  
}  
  
*/\* Position and style the close button (top right corner) \*/*.**sidenav** .**closebtn** {  
 **position**: **absolute**;  
 **top**: 0;  
 **right**: 25**px**;  
 **font-size**: 36**px**;  
 **margin-left**: 50**px**;  
}  
  
*/\* Style page content - use this if you want to push the page content to the right when you open the side navigation \*/***#main** {  
 **transition**: **margin-left** .5**s**;  
 **padding**: 20**px**;  
}  
  
*/\* On smaller screens, where height is less than 450px, change the style of the sidenav (less padding and a smaller font size) \*/***@media screen and** (**max-height**: 450**px**) {  
 .**sidenav** {**padding-top**: 15**px**;}  
 .**sidenav a** {**font-size**: 18**px**;}  
}  
  
*/\*MY REQUESTS \*/***#myRequestMap-Canvas**{  
 **top**: 60**px**;  
 **bottom**: 360**px**;  
 **right**: 0;  
 **left**: 0;  
 **position**: **absolute**;  
}  
  
  
.**requestsTabs**{  
 **color**: **#ff8800**;  
}  
  
.**myHeaders**{  
 **color**: **#ff8800**;  
}  
  
**#acceptReqBtn**{  
 **background-color**: **#ff8800**;  
 **color**: **#231024**;  
 **outline**: **none**;  
 **border-color**: **#ff8800**;  
}  
  
**#acceptReqBtn**:**active**{  
 **background-color**: **#23ff10**;  
 **border-color**: **#23ff10**;  
 **color**: **#ffffff**;  
}  
  
**#denyReqBtn**{  
 **background-color**: **#ff1a1e**;  
 **color**: **#ffffff**;  
 **border**: 1**px solid #ff1a1e**;  
}  
  
  
*/\*MY GROUPS\*/***#myGroup-map-canvas**{  
 **top**: 0;  
 **bottom**: 444**px**;  
 **right**: 0;  
 **left**:0;  
 **position**: **absolute**;  
}  
  
**#groupDetailsDiv**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **visible**;  
}  
  
**#groupDetailsInnerDiv**{  
 **position**: **absolute**;  
 **display**: **block**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **auto**;  
 **max-height**: 438**px**;  
}  
  
*/\*MY LIFTS\*/***#startLiftBtn**{  
 **position**: **relative**;  
 **background**: **#ff8800**;  
 **border-color**: **#ff8800**;  
 **border-radius**: 8**px**;  
 **color**: **#ffffff**;  
 **width**: 100%;  
 **height**: **auto**;  
 **font-size**: 34**px**;  
}  
  
**#beginLiftBtnDiv**{  
 **position**: **absolute**;  
 **top**: 164**px**;  
 **bottom**: 0;  
 **left**: 0;  
 **right**: 0;  
 **display**: **block**;  
}  
**#myLift-map-canvas**{  
 **top**: 0;  
 **bottom**: 444**px**;  
 **right**: 0;  
 **left**:0;  
 **position**: **absolute**;  
 **display**: **block**;  
}  
  
**#myLiftDetailsDiv**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **visible**;  
}  
  
**#myLiftDetailsInnerDiv** {  
 **position**: **absolute**;  
 **display**: **block**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **auto**;  
 **max-height**: 438**px**;  
}  
  
**#tableDiv**{  
 **margin**: 0 **auto**;  
 **width**: 90%;  
 **max-height**: 60%;  
 **overflow**: **scroll**;  
}  
  
**#myLiftDetailsCancelBtn**{  
 **border-radius**: 5**px**;  
 **border-color**: **#eae8ff**;  
 **color**: **#eae8ff**;  
 **background-color**:**transparent**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
**#deleteLiftBtn** {  
 **background**: **#ff0a10**;  
 **color**: **#ffffff**;  
 **border**: 1**px solid #ff0a10**;  
 **border-radius**: 5**px**;  
 **font-size**: 18**px**;  
}  
  
**#deleteLiftBtn**:**active**{  
 **opacity**: .8;  
 **outline**:**none**;  
}  
  
**#deleteLiftBtn**:**focus**{  
 **opacity**: .8;  
 **outline**:**none**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 ACTIVE LIFTS  
 \*/***#map**{  
 **top**: 0;  
 **bottom**: 0;  
 **right**: 0;  
 **left**:0;  
 **position**: **absolute**;  
 **display**: **block**;  
}  
  
**#activeLiftBtnDiv**{  
 **position**: **relative**;  
 **top**: 0;  
 **bottom**: 0;  
 **left**: 0;  
 **right**: 0;  
 **display**: **block**;  
}  
  
**#activeLiftCancelBtn**{  
 **position**: **relative**;  
 **border-radius**: 5**px**;  
 **border-color**: **#eae8ff**;  
 **color**: **#eae8ff**;  
 **background-color**:**#231024**;  
 **padding**: 5**px** 10**px** 5**px** 10**px**;  
}  
  
**#groupJourneyMainDiv**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **visible**;  
}  
  
**#groupJourneyInnerDiv**{  
 **position**: **relative**;  
 **display**: **block**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **auto**;  
 **max-height**: 438**px**;  
 }  
  
.**liftActiveBtn**{  
 **background-color**: **#4cae4c !important**;  
 **color**: **#ffffff !important**;  
 **border-color**: **#4cae4c !important**;  
 **outline**: **#4cae4c !important**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 RATING PAGE  
 \*/***#submitRatingsBtn** {  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **border**: 1**px solid #ff8800**;  
 **border-radius**: 5**px**;  
 **outline**: **none**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 EXPERIENCE  
 \*/***#experienceBtnDiv**{  
 **position**: **absolute**;  
 **bottom**: 0;  
 **left**: 0;  
}  
  
**#experienceFinishBtn**{  
 **background-color**: **transparent**;  
 **color**: **#ff8800**;  
 **border**: 1**px solid #ff8800**;  
 **border-radius**: 10**px**;  
 **position**: **absolute**;  
 **bottom**: 0;  
 **left**: 0;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 COMPLETED LIFTS  
 \*/***#myCompletedLiftDetailsDiv**{  
 **position**: **absolute**;  
 **display**: **flex**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **visible**;  
  
}  
  
**#myCompletedLiftDetailsInnerDiv** {  
 **position**: **absolute**;  
 **display**: **block**;  
 **justify-content**: **center**;  
 **flex-wrap**: **wrap**;  
 **bottom**: 0;  
 **right**: 0;  
 **color**: **#ff8800**;  
 **overflow**: **auto**;  
 **max-height**: 438**px**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 PROFILE  
\*/*.**profileLbs**{  
 **color**: **#ff8800**;  
 **display**: **block**;  
 **text-align**: **center**;  
}  
  
.**profileInputs**{  
 **background-color**: **transparent**;  
 **color**: **#eae8ff**;  
 **border-color**: **transparent**;  
 **outline**:**none**;  
 **display**: **flex**;  
 **flex-wrap**: **wrap**;  
 **align-items**: **center**;  
 **text-align**: **center**;  
}  
  
.**profileEditedInputs**{  
 **background-color**: **transparent**;  
 **color**: **#eae8ff**;  
 **border-color**: **transparent**;  
 **border-bottom**: 1**px solid #ff8800**;  
 **outline**:**none**;  
 **display**: **flex**;  
 **flex-wrap**: **wrap**;  
 **align-items**: **center**;  
 **text-align**: **center**;  
}  
  
**#profileBtnsDiv**{  
 **position**: **relative**;  
 **bottom**:0;  
 **left**:0;  
 **right**:0;  
}  
  
**#profileBackBtn**{  
 **background-color**: **#231024**;  
 **color**: **#ff8800**;  
 **border**: 1**px solid #ff8800**;  
 **border-radius**: 5**px**;  
 **text-align**: **center**;  
}  
  
**#profileEditBtn**{  
 **background-color**: **#ff8800**;  
 **color**: **#231024**;  
 **border**: 1**px solid #231024**;  
 **border-radius**: 5**px**;  
 **text-align**: **center**;  
}  
  
**#saveChangesBtn**{  
 **background-color**: **#4cae4c**;  
 **color**: **#ffffff**;  
 **border**: 1**px solid #4cae4c**;  
 **border-radius**: 5**px**;  
 **text-align**: **center**;  
}  
  
**#profileRatingExpDiv**{  
 **text-align**:**center**;  
}  
  
**#file**{  
 **color**: **#ff8800**;  
}  
  
**#deleteBtn**{  
 **color**: **#ffffff**;  
 **background-color**: **#ff0a10**;  
 **border**: 1**px solid #ff0a10**;  
 **border-radius**: 5**px**;  
 **position**: **relative**;  
 **font-size**: 19**px**;  
}  
  
**#deleteBtn**:**active**{  
 **opacity**: .8;  
 **outline**:**none**;  
}  
  
**#deleteBtn**:**focus**{  
 **opacity**: .8;  
 **outline**:**none**;  
}  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 LEADERBOARD  
 \*/***#backBtn**{  
 **background-color**: **#231024**;  
 **color**: **#eae8ff**;  
 **border**: 1**px solid #eae8ff**;  
 **border-radius**: 5**px**;  
 **position**: **fixed**;  
 **bottom**: 0;  
 **width**: 85%;  
}

## JavaScript

### 1.3.1. Looprac.js

**function** *login*(){  
 **event**.preventDefault(); *// prevents form submitting normally* **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/loginuser'**,  
 **type**:**'post'**,  
 **async**: **false**,  
 **data**: **$**(**"#login\_form"**).serialize()})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"match"**)  
 {  
 **window**.**sessionStorage**.setItem(**'userID'**, result[**'user\_id'**]);  
 **window**.**sessionStorage**.setItem(**'firstName'**, result[**'first\_name'**]);  
 **window**.**sessionStorage**.setItem(**'lastName'**, result[**'last\_name'**]);  
 **window**.**sessionStorage**.setItem(**'passengerID'**, result[**'passengerID'**]);  
 **window**.**sessionStorage**.setItem(**'myDriverID'**, result[**'myDriverID'**]);  
 **window**.**sessionStorage**.setItem(**'loggedIn'**, **true**);  
 **window**.location.replace(**"main\_page.html"**);  
 }  
 **else if** (result[**"status"**] == **"wrongemail/password"**)  
 {  
 alert(**"Wrong email or password entered"**);  
 }  
 **else if**(result[**"status"**] == **"noMatch"**) {  
 alert(**"Sorry, no match was found for email or password"**);  
 }  
 });  
}  
  
**function** *checkLoginStatus*(){  
 **var** userID = **sessionStorage**.getItem(**'userID'**);  
 **var** fname = **sessionStorage**.getItem(**'firstName'**);  
 **var** lname = **sessionStorage**.getItem(**'lastName'**);  
 **var** passID = **sessionStorage**.getItem(**'passengerID'**);  
 **var** driveID = **sessionStorage**.getItem(**'myDriverID'**);  
 **var** loggedin = **sessionStorage**.getItem(**'loggedIn'**);  
 **var** status = **sessionStorage**.getItem(**'loggedIn'**);  
 **if**(status){  
 **window**.location = **"main\_page.html"**;  
 }  
}  
  
**function** *logout*(){  
 **var** form = **$**(**"#hiddenMainPageForm"**);  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/logoutuser'**,  
 **type**:**'post'**,  
 **async**: **false**,  
 **data**:form.serialize()})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"logout successful"**)  
 {  
 **sessionStorage**.clear();  
 alert(**'You have successfully logged out.'**);  
 **window**.location = **"login.html"**;  
 }  
 })  
}  
  
**function** *RegisterUser*(){  
 **var** form =**$**(**'#form'**);  
 form.**submit**(**function**(event){  
 event.preventDefault();  
 **var** formData = **new FormData**(form[0]);  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/registeruser'**,  
 **type**:**'post'**,  
 **enctype**: **'multipart/form-data'**,  
 **processData**: **false**,  
 **contentType**: **false**,  
 **cache**: **false**,  
 **data**: formData })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"registered"**)  
 {  
 alert(**"You are now a registered Looper :)"**);  
 **window**.location.replace(**"login.html"**);  
 }  
 **else if** (result[**"status"**] == **"Not all required elements are entered"**)  
 {  
 alert(**"ERROR: not all fields were filled in"**);  
 }  
 **else if** (result[**"status"**] == **"email exists"**)  
 {  
 **document**.getElementById(**"emailError"**).**innerHTML** = **"This email address already exists"**;  
 setTimeout(**function** () {  
 **window**.location = **document**.**URL**;  
 },5000);  
 }  
 });  
 });  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \* OFFER LIFT  
 \*/***function** *subOfferLift*(){  
 *checkDate*();  
 **var** form =**$**(**'#offerLiftForm'**);  
 form.**submit**(**function**(event){  
 event.preventDefault(); *// prevents form submitting normally* **var** d = **''**;  
 **var** date = **document**.getElementById(**'departingInput'**).value;  
 **var** formattedDate = **new** Date(date).toMysqlFormat();  
 **var** startLat = **document**.getElementById(**'lat'**).value;  
 **var** startLng = **document**.getElementById(**'lng'**).value;  
 **var** destinationLat = **document**.getElementById(**'destinationLat'**).value;  
 **var** destinationLng = **document**.getElementById(**'destinationLng'**).value;  
 **var** startLatlng = **new google**.**maps**.*LatLng*(startLat,startLng);  
 **var** destLatLng = **new google**.**maps**.*LatLng*(destinationLat, destinationLng);  
 *calcDistance*(startLatlng, destLatLng)  
 .**done**(**function**(response){  
 **var** origins = response.originAddresses;  
 **for** (**var** i = 0; i < origins.length; i++) {  
 **var** results = response.**rows**[i].elements;  
 **for** (**var** j = 0; j < results.**length**; j++) {  
 **var** distance = results[j].**distance**.**text**;  
 d = ***JSON***.stringify({  
 **'userID'** : **document**.getElementById(**'userID'**).value,  
 **'start\_lat'**: **document**.getElementById(**'lat'**).value,  
 **'start\_long'**: **document**.getElementById(**'lng'**).value,  
 **'start\_county'**: **document**.getElementById(**'start\_county'**).value,  
 **'destination\_lat'**: **document**.getElementById(**'destinationLat'**).value,  
 **'destination\_long'**: **document**.getElementById(**'destinationLng'**).value,  
 **'destination\_county'**: **document**.getElementById(**'destination\_county'**).value,  
 **'distance'**: distance,  
 **'departing'** : **document**.getElementById(**'departingInput'**).value,  
 **'seats'** : **document**.getElementById(**'seatsInput'**).value  
 });  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/offerLift'**,  
 **type**:**'post'**,  
 **async**: **false**,  
 **contentType**: **'application/json'**,  
 **dataType**: **'json'**,  
 **data**: d })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus  
 + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **if** (data[**"status"**] == **"registered"**)  
 {  
 alert(**"Your lift offer has been submitted"** );  
 **window**.location.replace(**"main\_page.html"**);  
 }  
 **else if** (data[**"status"**] == **"Not all required elements are entered"**)  
 {  
 alert(**"ERROR: not all fields were filled in"**);  
 }  
 });  
 }  
 }  
 });  
 })  
}  
  
**function** *checkDate*(){  
 **var** input = **new** Date(**document**.getElementById(**'departingInput'**).value).getTime();  
 **var** now = **new** Date().getTime();  
 **if** (input <= now){  
 alert(**'Please choose a time beyond this point in time.'**);  
 }  
}  
  
**function** *twoDigits*(d) {  
 **if**(0 <= d && d < 10) **return "0"** + d.toString();  
 **if**(-10 < d && d < 0) **return "-0"** + (-1\*d).toString();  
 **return** d.toString();  
}  
  
Date.**prototype**.toMysqlFormat = **function**() {  
 **return this**.getUTCFullYear() + **"-"** + *twoDigits*(1 + **this**.getUTCMonth()) + **"-"** + *twoDigits*(**this**.getUTCDate()) ;  
};  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 CHECK IF USER HAS REGISTERED CAR BEFORE OFFERING A LIFT  
 /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***function** *checkHasCarRegistered*() {  
 **event**.preventDefault(); *// prevents form submitting normally* **var** user\_id = **sessionStorage**.getItem(**'userID'**);  
 **var** j = ***JSON***.stringify({**'userid'**: user\_id});  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/checkcarregistered'**,  
 **type**:**'post'**,  
 **async**: **false**,  
 **contentType**: **'application/json'**,  
 **dataType**: **'json'**,  
 **data**: j})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **if** (data[**"status"**] == **"car registered"**){  
 **window**.location.replace(**"offerLift.html"**);  
 }  
 **else if** (data[**"status"**] == **"car not registered"**){  
 **var** r = confirm(**"Please register your car before you offer a lift"**);  
 **if** (r == **true**){  
 **window**.location.replace(**"carDetails.html"**);  
 }  
 }  
 });  
}  
  
**function** *registerCar*() {  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/registercar'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#carRegForm'**).serialize()  
 }).fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"registered"**) {  
 **window**.**sessionStorage**.setItem(**"driverID"**, result[**"driverID"**]);  
 **window**.location.replace(**"offerLift.html"**);  
 }  
 **else if** (result[**"status"** == **"Not all required elements are entered"**]) {  
 alert(**"ERROR: not all fields were filled in"**);  
 }  
  
 });  
}  
  
**function** *updateAvailableLifts*(){  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/availableLifts'**,  
 **type**:**'post'**,  
 **data**: ***JSON***.stringify({**'passengerID'**: **sessionStorage**.getItem(**'passengerID'**)})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#availableLiftsTbl'**);  
 **var** tr = **''**;  
 **var** liftID =0;  
 **var** driverID = 0;  
 **var** sCounty = **''**;  
 **var** dCounty = **''**;  
 **var** departDate = **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 liftID = result[i][**"liftID"**];  
 driverID = result[i][**'driverID'**];  
 sCounty = result[i][**'startCounty'**];  
 dCounty = result[i][**'destinationCounty'**];  
 departDate = result[i][**'departing'**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 tr = **'<tr onclick="***expandLift***('**+liftID +**','**+ driverID +**')" id='** +trID + **' ><td class="hidden" '** +  
 **'id='** + tdID + **'>'** + liftID + **'</td><td class="hidden">'** + driverID + **'</td><td>'** + sCounty +  
 **'</td><td>'** + dCounty + **'</td><td>'** + departDate + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *expandLift*(liftID, driverID){  
 **window**.**sessionStorage**.setItem(**'expandLiftID'**, liftID);  
 **window**.**sessionStorage**.setItem(**'driverID'**, driverID);  
 **window**.location.replace(**'LiftDetails.html'**);  
}  
  
**function** *getLiftDetails*(){  
 **var** liftID = **sessionStorage**.getItem(**'expandLiftID'**);  
 **var** driverID = **sessionStorage**.getItem(**'driverID'**);  
 **var** j = ***JSON***.stringify({**'liftID'**: liftID, **'driverID'**: driverID});  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/liftDetails'**,  
 **type**:**'post'**,  
 **data**:j})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** startLat = result[0][**'startLat'**];  
 **var** startLng = result[0][**'startLng'**];  
 **var** destLat = result[0][**'destinationLat'**];  
 **var** destLng = result[0][**'destinationLng'**];  
 **var** driver = result[0][**'DriverFName'**] + **' '** + result[0][**'DriverLName'**];  
 **var** rating = result[0][**'rating'**];  
 **var** departing = result[0][**'departing'**];  
 **var** seats = result[0][**'seats'**];  
 **var** driverPassengerID =result[0][**'driversPassengerID'**];  
 *showLift*(startLat, startLng, destLat, destLng, **"lift-map-canvas"**);  
 *geocodeCoords*(startLat, startLng, **'startRdOnly'**);  
 *geocodeCoords*(destLat, destLng, **'destinationRdOnly'**);  
 **document**.getElementById(**'liftIDRdOnly'**).**value** = liftID;  
 **document**.getElementById(**'driverRdOnly'**).**value** = driver;  
 **document**.getElementById(**'driverRatingRdOnly'**).**value** = rating + **' / 5.0'**;  
 **document**.getElementById(**'departDateRdOnly'**).**value** = departing;  
 **document**.getElementById(**'seatsRdOnly'**).**value** = seats;  
 **document**.getElementById(**'driverPassengerIDRdOnly'**).**value** = driverPassengerID;  
 });  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 REQUESTS  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***function** *sendLiftReq*() {  
 **event**.preventDefault();  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/requestLift'**,  
 **type**:**'post'**,  
 **async**: **false**,  
 **data**: **$**(**'#liftReqForm'**).serialize()})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if**(result[**"status"**] == **"request completed"**){  
 alert(**'Your request has been submitted. Keep an eye on it in My Requests.'**);  
 **window**.location = **"availableLifts.html"**;  
 }  
 });  
}  
  
**function** *updateUserLiftRequests*(){  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/availableRequests'**,  
 **type**:**'post'**,  
 **data**: **$**(**'#availableReqHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#availableRequestsTbl'**);  
 **var** tr = **''**;  
 **var** liftID =0;  
 **var** passengerID = 0;  
 **var** requestID = 0;  
 **var** driverID = 0;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **var** passengerName = **''**;  
 **var** status = **""**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 liftID = result[i][**"liftID"**];  
 driverID = result[i][**"driverID"**];  
 requestID = result[i][**"requestID"**];  
 passengerID = result[i][**"passengerID"**];  
 passengerName = result[i][**"passengerName"**];  
 status = result[i][**"status"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 **if** (status != **"Pending"**){  
 tr = **'<tr style="color: #ff8800;" id='** +trID  
 + **' ><td class="hidden" id='** + tdID + **'>'** + requestID + **'</td><td class="hidden">'** + liftID  
 + **'</td><td class="hidden">'** + driverID + **'</td><td class="hidden">'** + passengerID  
 + **'</td><td>'** + passengerName + **'</td><td>'** + status  
 + **'</td></tr>'**;  
 }  
 **else**{  
 tr = **'<tr onclick="***expandRequest***('**+ requestID + **','** + driverID +**')" style="color: #ff8800;" '** +  
 **'id='** + trID + **' ><td class="hidden" id='** + tdID + **'>'** + requestID + **'</td><td class="hidden">'** + liftID + **'</td><td class="hidden">'** + driverID + **'</td><td class="hidden">'** + passengerID  
 + **'</td><td>'** + passengerName + **'</td><td>'** + status  
 + **'</td></tr>'**;  
 }  
 table.append(tr);  
 }  
 });  
}  
  
**function** *expandRequest*(requestID, driverID){  
 **window**.**sessionStorage**.setItem(**'requestID'**, requestID);  
 **window**.**sessionStorage**.setItem(**'driverID'**, driverID);  
 **window**.location.replace(**'requestDetails.html'**);  
}  
  
**function** *getRequestDetails*(){  
 **var** requestID = **sessionStorage**.getItem(**'requestID'**);  
 **var** driverID = **sessionStorage**.getItem(**'driverID'**);  
 **var** j = ***JSON***.stringify({**'requestID'**: requestID, **'driverID'**: driverID});  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/requestDetails'**,  
 **type**:**'post'**,  
 **data**:j})  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** startLat = result[0][**"startLat"**];  
 **var** startLng = result[0][**"startLng"**];  
 **var** destLat = result[0][**"destLat"**];  
 **var** destLng = result[0][**"destLng"**];  
 **document**.getElementById(**'hiddenPassengerID'**).**value** = result[0][**"passengerID"**];  
 **document**.getElementById(**'passengerNameRdOnly'**).**value** = result[0][**"name"**];  
 **document**.getElementById(**'departDateRdOnly'**).**value** = result[0][**"departing"**];  
 **document**.getElementById(**'passengerRatingRdOnly'**).**value** = result[0][**"rating"**] + **' / 5.0'**;  
 **window**.onload = *showLift*(startLat, startLng, destLat, destLng, **"myRequestMap-Canvas"**);  
 });  
}  
  
**function** *updateMyRequests*(){  
 **$**.**ajax**({  
 **url**:**'http://looprac.pythonanywhere.com/myRequests'**,  
 **type**:**'post'**,  
 **data**: **$**(**'#myReqHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR +**'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function**(data){  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#myRequestsTbl'**);  
 **var** tr = **''**;  
 **var** liftID =0;  
 **var** passengerID = 0;  
 **var** requestID = 0;  
 **var** driverID = 0;  
 **var** driverName = **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** status = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 liftID = result[i][**"liftID"**];  
 driverID = result[i][**"driverID"**];  
 requestID = result[i][**"requestID"**];  
 passengerID = result[i][**"passengerID"**];  
 status = result[i][**"status"**];  
 driverName = result[i][**"driverFName"**] + **" "** + result[i][**"driverLName"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 tr = **'<tr style="color: #ff8800;" id='** +trID + **' ><td class="hidden" id='** + tdID + **'>'** + requestID + **'</td><td class="hidden">'** + liftID + **'</td><td class="hidden">'** + driverID + **'</td><td class="hidden">'** + passengerID  
 + **'</td><td>'** + driverName + **'</td><td style="color:#eae8ff;">'** + status + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *acceptRequest*() {  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/acceptRequest'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#liftReqForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"complete"**){  
 alert(**'Request accepted. The passenger has been added to the lift.'**);  
 **window**.location = **"main\_page.html"**;  
 }  
 });  
}  
  
**function** *denyRequest*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/denyRequest'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#liftReqForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"complete"**){  
 alert(**'Request has been denied. The passenger will be notified.'**);  
 **window**.location = **"main\_page.html"**;  
 }  
 });  
}  
  
**function** *updateMyGroups*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myGroups'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#myReqHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#myGroupsTbl'**);  
 **var** tr = **''**;  
 **var** groupID = 0;  
 **var** driverName = **''**;  
 **var** departing = **''**;  
 **var** liftID = **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 groupID = result[i][**"groupID"**];  
 driverName = result[i][**"driverName"**];  
 liftID = result[i][**"liftID"**];  
 departing = result[i][**"departing"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 tr = **'<tr onclick="***expandGroup***('** + liftID + **','** + groupID +**')" style="color: #ff8800;" id='** +trID +  
 **'><td class="hidden" id='** + tdID + **'>'** + liftID+ **'</td><td>'** + driverName + **'</td><td>'** +  
 departing + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *expandGroup*(liftID, groupID){  
 **window**.**sessionStorage**.setItem(**'myLiftID'**, liftID);  
 **window**.**sessionStorage**.setItem(**'groupID'**, groupID);  
 **window**.location.replace(**'groupDetails.html'**);  
}  
  
**function** *showGroupDetails*(liftID, groupID )  
{  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/groupDetails'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID, **"groupID"**: groupID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** numOfPassengers = result.length;  
 **window**.**sessionStorage**.setItem(**'numOfPassengers'**, numOfPassengers);  
 **document**.getElementById(**'hiddenNumOfPassengers'**).**value** = numOfPassengers;  
 **document**.getElementById(**'driverNameRdOnly'**).**value** = result[0][**"driverName"**];  
 **document**.getElementById(**'hiddenDriverPassengerID'**).**value** = result[0][**"driverPassengerID"**];  
 **document**.getElementById(**'carRegRdOnly'**).**value** = result[0][**"carReg"**];  
 **document**.getElementById(**'driverPhoneRdOnly'**).**value** = result[0][**"driverPhone"**];  
 **document**.getElementById(**'driverDetailsRdOnly'**).**value** = result[0][**"driverRating"**];  
 **document**.getElementById(**'routeRdOnly'**).**value** = result[0][**"startCounty"**] + **' To '** + result[0][**"destCounty"**];  
 **document**.getElementById(**'departDateRdOnly'**).**value** = result[0][**"departing"**];  
 **document**.getElementById(**'hiddenDriverID'**).**value** = result[0][**"driverID"**];  
 **document**.getElementById(**'numOfPassengersHeader'**).**innerHTML** =**'Passengers: '** + numOfPassengers;  
 **var** startLat = result[0][**"startLat"**];  
 **var** startLng = result[0][**"startLng"**];  
 **var** destinationLat = result[0][**"destLat"**];  
 **var** destinationLng= result[0][**"destLng"**];  
 **window**.**sessionStorage**.setItem(**'myLiftStartLat'**, startLat);  
 **window**.**sessionStorage**.setItem(**'myLiftStartLng'**, startLng);  
 **window**.**sessionStorage**.setItem(**'myLiftDestinationLat'**, destinationLat);  
 **window**.**sessionStorage**.setItem(**'myLiftDestinationLng'**, destinationLng);  
 **var** paragraph = **''**;  
 **var** passengerName = **''**;  
 **var** passengerRating = **''**;  
 **var** passengerID = 0;  
 **var** table = **$**(**'#passengersTbl'**);  
 **var** phone = **''**;  
 **var** trID =**''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **for** (**var** index = 0; index < result.length; index++)  
 {  
 trID = **'trID'** + index.toString();  
 tdID = **'tdID'** + index.toString();  
 btnID = **'btnID'** + index.toString();  
 passengerName = result[index][**"passengerName"**];  
 phone = result[index][**"passengerPhone"**];  
 passengerID = result[index][**"passengerID"**];  
 passengerRating = result[index][**"passengerRating"**];  
 paragraph = **'<tr onclick="***getProfile***('** + passengerID + **')" style="color:#ff8800;"><td class="hidden">'** + passengerID + **'</td><td>'**+ passengerName + **'</td><td>'** + passengerRating + **'</td><td>'** + phone + **'</td></tr>'**;  
 table.append(paragraph);  
 }  
 **window**.onload = *showLift*(startLat, startLng, destinationLat, destinationLng, **"myLift-map-canvas"**);  
 });  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 MY LIFTS: where driver see's the lifts they have created and who the passengers are  
 \*/***function** *updateMyLifts*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myLifts'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#myLiftsHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#myLiftsTbl'**);  
 **var** tr = **''**;  
 **var** liftID = 0;  
 **var** route = **''**;  
 **var** departing= **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 liftID = result[i][**"liftID"**];  
 route = result[i][**"route"**];  
 departing = result[i][**"departing"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 btnID = **'btnID'** + i.toString();  
 tr = **'<tr onclick="***expandMyLift***('** + liftID +**')" style="color: #ff8800;" id='** +trID + **'><td>'** + route + **'</td><td>'** + departing + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *expandMyLift*(liftID){  
 **window**.**sessionStorage**.setItem(**'myLiftID'**, liftID);  
 **window**.location.replace(**"myLiftDetails.html"**);  
}  
  
**function** *showMyLiftDetails*(liftID )  
{  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myLiftDetails'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 *checkIfCanDeleteLift*(liftID);  
 **var** result = ***JSON***.parse(data);  
 **document**.getElementById(**'hiddenLiftID'**).**value** = liftID;  
 **document**.getElementById(**'spacesAvailableRdOnly'**).**value** = result[0][**'spaces'**];  
 **document**.getElementById(**'routeRdOnly'**).**value** = result[0][**"startCounty"**] + **' To '** + result[0][**"destCounty"**];  
 **document**.getElementById(**'departDateRdOnly'**).**value** = result[0][**"departing"**];  
 **document**.getElementById(**'carRegRdOnly'**).**value** = result[0][**"car reg"**];  
 **document**.getElementById(**'hiddenDriverID'**).**value** = **sessionStorage**.getItem(**'myDriverID'**);  
 **var** startLat = result[0][**"startLat"**];  
 **var** startLng = result[0][**"startLng"**];  
 **var** destinationLat = result[0][**"destLat"**];  
 **var** destinationLng= result[0][**"destLng"**];  
 **window**.**sessionStorage**.setItem(**'myLiftStartLat'**, startLat);  
 **window**.**sessionStorage**.setItem(**'myLiftStartLng'**, startLng);  
 **window**.**sessionStorage**.setItem(**'myLiftDestinationLat'**, destinationLat);  
 **window**.**sessionStorage**.setItem(**'myLiftDestinationLng'**, destinationLng);  
 **var** passengerRating = **''**;  
 **var** passengerID = 0;  
 **var** paragraph = **''**;  
 **var** passengerName = **''**;  
 **var** table = **$**(**'#passengersTbl'**);  
 **var** phone = **''**;  
 **var** trID =**''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **for** (**var** index = 0; index < result.length; index++)  
 {  
 trID = **'trID'** + index.toString();  
 tdID = **'tdID'** + index.toString();  
 btnID = **'btnID'** + index.toString();  
 passengerName = result[index][**"passengerName"**];  
 phone = result[index][**"passengerPhone"**];  
 passengerID = result[index][**"passengerID"**];  
 **window**.**sessionStorage**.setItem(**'numOfPassengers'**, result[index][**"numOfPassengers"**]);  
 **if** (result[index][**"numOfPassengers"**] == **undefined**){  
 **document**.getElementById(**'numOfPassengersHeader'**).**innerHTML** =**'Passengers: 0'**;  
 }  
 **else**{  
 **document**.getElementById(**'numOfPassengersHeader'**).**innerHTML** =**'Passengers: '** + result[index][**"numOfPassengers"**];  
 }  
 **document**.getElementById(**'hiddenNumOfPassengers'**).**value** = result[index][**"numOfPassengers"**];  
 passengerRating = result[index][**"passengerRating"**];  
 **if** (passengerName == **"None"**)  
 {  
 passengerName = **""**;  
 passengerRating = **""**;  
 phone = **""**;  
 }  
 paragraph = **'<tr style="color:#ff8800;" onclick="***getProfile***('** + passengerID +**')"><td class="hidden">'** + passengerID + **'</td><td>'**+ passengerName + **'</td><td>'** + passengerRating + **'</td><td>'** + phone  
 + **'</td></tr>'**;  
 table.append(paragraph);  
 }  
 **window**.onload = *showLift*(startLat, startLng, destinationLat, destinationLng, **"myLift-map-canvas"**);  
 });  
}  
  
**function** *checkIfCanDeleteLift*(liftID){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/checkIfCanDeleteLift'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if**(result[**'active'**] == **'false'**){  
 **document**.getElementById(**'deleteLiftBtn'**).setAttribute(**'class'**, **'col-xs-12'**);  
 }  
 })  
}  
  
**function** *deleteLift*(){  
 **var** r = confirm(**'Are you sure you want to delete this lift? It will not be able to be retrieved.'**);  
 **if** (r == **true**){  
 **var** liftID = **document**.getElementById(**'hiddenLiftID'**).value;  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/deleteLift'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if**(result[**'status'**] == **'deleted'**){  
 alert(**'Your lift has been deleted.'**);  
 **window**.location = **'myLifts.html'**;  
 }  
 })  
 }  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \* COMPLETED LIFTS  
 \*/***function** *updateMyCompletedGroups*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myCompletedGroups'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#myCompletedGroupHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** table = **$**(**'#myCompletedGroupsTbl'**);  
 **var** tr = **''**;  
 **var** driverName = **''**;  
 **var** departed = **''**;  
 **var** liftID = **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 driverName = result[i][**"driverName"**];  
 liftID = result[i][**"liftID"**];  
 departed = result[i][**"departed"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 tr = **'<tr onclick="***expandMyCompletedLift***('** + liftID + **')" style="color: #ff8800;" id='** + trID  
 + **'><td class="hidden" id='** + tdID + **'>'** + liftID+ **'</td><td>'** + driverName + **'</td><td>'** + departed + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *updateMyCompletedLifts*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myCompletedLifts'**,  
 **type**: **'post'**,  
 **data**: **$**(**'#myCompletedLiftsHiddenForm'**).serialize()  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** table = **$**(**'#myCompletedLiftsTbl'**);  
 **var** tr = **''**;  
 **var** liftID = 0;  
 **var** route = **''**;  
 **var** departing= **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 liftID = result[i][**"liftID"**];  
 route = result[i][**"route"**];  
 departing = result[i][**"departing"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 tr = **'<tr onclick="***expandMyCompletedLift***('** + liftID +**')" style="color: #ff8800;" id='** +trID + **'><td>'** + route + **'</td><td>'** + departing + **'</td></tr>'**;  
 table.append(tr);  
 }  
 });  
}  
  
**function** *expandMyCompletedLift*(liftID){  
 **window**.**sessionStorage**.setItem(**'myCompletedLiftID'**, liftID);  
 **window**.location.replace(**"myCompletedLiftDetails.html"**);  
}  
  
**function** *showMyCompletedLiftDetails*(liftID) {  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/myLiftDetails'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **document**.getElementById(**'routeRdOnly'**).**value** = result[0][**"startCounty"**] + **' To '** + result[0][**"destCounty"**];  
 **document**.getElementById(**'departDateRdOnly'**).**value** = result[0][**"departing"**];  
 **document**.getElementById(**'driverNameRdOnly'**).**value** = result[0][**"driverName"**];  
 **document**.getElementById(**'driverRatingRdOnly'**).**value** = result[0][**"driverRating"**];  
 **document**.getElementById(**'hiddenDriverPassengerID'**).**value** = result[0][**"driverPassengerID"**];  
 **var** startLat = result[0][**"startLat"**];  
 **var** startLng = result[0][**"startLng"**];  
 **var** destinationLat = result[0][**"destLat"**];  
 **var** destinationLng = result[0][**"destLng"**];  
 **var** paragraph = **''**;  
 **var** passengerID = 0;  
 **var** passengerName = **''**;  
 **var** passengerRating = **''**;  
 **var** passengerUserID = 0;  
 **var** table = **$**(**'#passengersTbl'**);  
 **var** phone = **''**;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **for** (**var** index = 0; index < result.length; index++) {  
 trID = **'trID'** + index.toString();  
 tdID = **'tdID'** + index.toString();  
 passengerName = result[index][**"passengerName"**];  
 passengerRating = result[index][**"passengerRating"**];  
 phone = result[index][**"passengerPhone"**];  
 passengerID = result[index][**"passengerID"**];  
 **document**.getElementById(**'numOfPassengersHeader'**).**innerHTML** = **'Passengers: '** + result[index][**"numOfPassengers"**];  
 **document**.getElementById(**'hiddenNumOfPassengers'**).**value** = result[index][**"numOfPassengers"**];  
 **document**.getElementById(**'carRegRdOnly'**).**value** = result[index][**"car reg"**];  
 **if** (passengerName == **"None"**) {  
 passengerName = **""**;  
 passengerRating = **""**;  
 passengerID =**""**;  
 phone = **""**;  
 }  
 paragraph = **'<tr onclick="***getProfile***('** + passengerID + **')" style="color:#ff8800;"><td class="hidden">'** + passengerUserID + **' </td><td>'** + passengerName + **'</td><td>'** + passengerRating + **'</td><td>'** + phone + **'</td></tr>'**;  
 table.append(paragraph);  
 }  
 **window**.onload = *showLift*(startLat, startLng, destinationLat, destinationLng, **"myLift-map-canvas"**);  
 })  
}  
  
**function** *completeLiftAndFilterRatingList*(liftID){  
 alert(**'lift id for lift '** + liftID);  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/completeLift'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"completed lift registering"**] == **"complete"**)  
 {  
 **window**.location = **"liftComplete.html"**;  
 }  
 **else**{  
 **console**.log(**'Registering users to completed lift failed'**);  
 }  
 })  
}  
  
**function** *displayRatingTables*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/populateRatingTables'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**"liftID"**: **sessionStorage**.getItem(**'myLiftID'**), **"userID"**: **sessionStorage**.getItem(**'userID'**)})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result= ***JSON***.parse(data);  
 **var** table = **$**(**'#ratingTbl'**);  
 **var** tr = **''**;  
 **var** trID =**''**;  
 **var** tdID = **''**;  
 **var** btnID = **''**;  
 **var** starID =**''**;  
 **var** driverName = **''**;  
 **var** driverID = 0;  
 **var** passengerName = **''**;  
 **var** passengerID = 0;  
 **var** driverTable = **$**(**'#driverRatingTbl'**);  
 driverID = result[0][**"driverID"**];  
 driverName = result[0][**"driverName"**];  
 **if** (result[0][**"driverID"**] == **"None"**) {  
 driverTable.hide();  
 **document**.getElementById(**'driverHeader'**).setAttribute(**'class'**, **'hidden'**);  
 }  
 **else** {  
 **for** (**var** i = 0; i < 1; i++) {  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 btnID = **'btnID'** + i.toString();  
 starID = **'input-id'** + i.toString();  
 tr = **'<tr style="color:#ff8800;"><td>'** + driverName + **'</td><td id="driverID" class="hidden">'** + driverID + **'</td><td><input id="input-id" value="3" type="text" class="rating" '** +  
 **'data-step="1.0" data-show-clear="false" data-size="xs" /></td></tr>'**;  
 driverTable.append(tr);  
 }  
 }  
 **if** (result[0][**"passengerID"**] == **"None"**) {  
 table.hide();  
 **document**.getElementById(**'passengerHeader'**).setAttribute(**'class'**, **'hidden'**);  
 }  
 **else**{  
 **for** (**var** index = 0; index < result.length; index++)  
 {  
 trID = **'trID'** + index.toString();  
 tdID = **'tdID'** + index.toString();  
 btnID = **'btnID'** + index.toString();  
 starID = **'input-id'** + index.toString();  
 passengerName = result[index][**"passengerName"**];  
 passengerID = result[index][**"passengerID"**];  
 **if** (passengerID != **sessionStorage**[**"passengerID"**]) {  
 tr = **'<tr style="color:#ff8800;"><td>'** + passengerName + **'</td><td id="passengerID'** + index.toString() + **'" class="hidden">'** + passengerID + **'</td><td><input id="input-id'** + index.toString() + **'" data-step="1.0" type="text" value="3" class="rating" '** +  
 **'data-show-clear="false" data-size="xs" /></td></tr>'**;  
 table.append(tr);  
 }  
 }  
 }  
 **var** driverStar = **$**(**'#input-id'**);  
 **var** star1 = **$**(**'#input-id0'**);  
 **var** star2 = **$**(**'#input-id1'**);  
 **var** star3 = **$**(**'#input-id2'**);  
 **var** star4 = **$**(**'#input-id3'**);  
 **var** star5 = **$**(**'#input-id4'**);  
 **var** star6= **$**(**'#input-id5'**);  
 *//display the stars* driverStar.rating({**showCaption**:**false**});  
 star1.rating({**showCaption**: **false**});  
 star2.rating({**showCaption**: **false**});  
 star3.rating({**showCaption**: **false**});  
 star4.rating({**showCaption**: **false**});  
 star5.rating({**showCaption**: **false**});  
 star6.rating({**showCaption**: **false**});  
 })  
}  
  
**function** *checkAllRated*(){  
 **var** driverID = 0;  
 **var** driverRating = 0;  
 **if** (**$**(**"#driverID"**).**html**()){  
 driverID = **document**.getElementById(**'driverID'**).**innerHTML**;  
 driverRating = **document**.getElementById(**'input-id'**).value;  
 }  
 **var** length = **document**.getElementById(**'ratingTbl'**).**rows**.**length** -1;  
 **var** ratingid = **''**;  
 **var** passengersIDandRating = [];  
 **var** passengerID = **''**;  
 **for** (**var** index = 0; index < length; index++){  
 ratingid = **'input-id'** + index.toString();  
 passengerID = **'passengerID'** +index.toString();  
 passengersIDandRating.push([**document**.getElementById(passengerID).**innerHTML**,  
 **document**.getElementById(ratingid).value]);  
 }  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/rateUsers'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'driverID'**: driverID, **'driverRating'**: driverRating,  
 **'passengerData'**: passengersIDandRating})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**'ratings'**] == **'complete'**){  
 alert(**'Thank you for rating the other passengers. You will now be shown what experience you got '** +  
 **'from this journey'**);  
 **window**.location = **"experience.html"**;  
 }  
 })  
}  
  
**function** *calculateExperience*(userID, liftID, driverID){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/checkIfDriver'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'liftID'**: liftID, **'driverID'**: driverID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** distance = result[**'distance'**];  
 **if** (result[**"is driver"**] == **'true'**){  
 *calculateDriverExperience*(userID, distance, **sessionStorage**.getItem(**'numOfPassengers'**));  
 }  
 **else** {  
 *calculatePassengerExperience*(userID, distance);  
 }  
 })  
}  
  
**function** *calculateDriverExperience*(userID, distance, numOfPassengers){  
 *//driver experience is calculated by getting (10 + number of passengers) % of the distance of the journey* **var** driverMultiplier = (.10 + (numOfPassengers / 100));  
 **var** newExperience = parseFloat(distance) \* driverMultiplier;  
 **document**.getElementById(**'newExpHeader'**).**innerHTML** = newExperience.toString() + **' XP'**;  
 **document**.getElementById(**'distance'**).**value** = distance + **' km'**;  
 **document**.getElementById(**'numOfPassengers'**).**value** = numOfPassengers;  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/getExperience'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'userID'**: userID, **'newExp'**: newExperience, **'distance'**: parseFloat(distance),  
 **'numOfPassengers'**: numOfPassengers})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **for** (**var** i = 0; i < result.length; i++){  
 **document**.getElementById(**'overallExpHeader'**).**innerHTML** = result[i][**"experience"**] + **' XP'**;  
 **document**.getElementById(**'overallDistance'**).**value** = result[i][**"overall distance"**] + **' km'**;  
 **document**.getElementById(**'overallNumOfPassengers'**).**value** = result[i][**"overallpassengers"**];  
 }  
 })  
}  
  
**function** *calculatePassengerExperience*(userID, distance){  
 **document**.getElementById(**'overallNumOfPassengers'**).setAttribute(**'class'**, **'hidden'**);  
 **document**.getElementById(**'numOfPassengers'**).setAttribute(**'class'**,**'hidden'**);  
 **document**.getElementById(**'overallNumOfPassengersLbl'**).setAttribute(**'class'**, **'hidden'**);  
 **document**.getElementById(**'numOfPassengersLbl'**).setAttribute(**'class'**,**'hidden'**);  
 *//passenger experience is calculated by getting 10% of the distance of the journey* **var** newExperience = parseFloat(distance) \* .1;  
 **document**.getElementById(**'newExpHeader'**).**innerHTML** = newExperience.toString() + **' XP'**;  
 **document**.getElementById(**'distance'**).**value** = distance;  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/getExperience'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'userID'**: userID, **'newExp'**: newExperience, **'distance'**: parseFloat(distance),  
 **'numOfPassengers'**: 0})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **document**.getElementById(**'overallExpHeader'**).**innerHTML** = result[0][**"experience"**] + **' XP'**;  
 **document**.getElementById(**'overallDistance'**).**value** = result[0][**"overall distance"**] + **' km'**;  
 })  
}  
  
**function** *passengerActiveLift*() {  
 **document**.getElementById(**'startLiftBtn'**).setAttribute(**'class'**, **'liftActiveBtn col-xs-12'**);  
 **document**.getElementById(**'startLiftBtn'**).**value** = **"Active!"**;  
 **document**.getElementById(**'liftDetailsBtnDiv'**).setAttribute(**'class'**, **'hidden'**);  
 *checkIfLiftFinished*();  
}  
  
**function** *checkIfCanDepart*() {  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, {**timeout**: 7000, **enableHighAccuracy**: **true**});  
 **function** *onSuccess*(position) {  
 **var** departDate = **document**.getElementById(**'departDateRdOnly'**).value;  
 **var** departing = **new** Date(departDate).getTime();  
 **var** today = **new** Date().getTime();  
 **var** myLocation = **new google**.**maps**.*LatLng*(position.**coords**.**latitude**, position.**coords**.**longitude**);  
 **var** startLocation = **new google**.**maps**.*LatLng*(**sessionStorage**.getItem(**'myLiftStartLat'**),  
 **sessionStorage**.getItem(**'myLiftStartLng'**));  
 *calcDistance*(myLocation, startLocation)  
 .**done**(**function** (response) {  
 **var** origins = response.originAddresses;  
 **for** (**var** i = 0; i < origins.length; i++) {  
 **var** results = response.**rows**[i].elements;  
 **for** (**var** j = 0; j < results.**length**; j++) {  
 **var** distance = results[j].**distance**.**text**;  
 **var** km = **'k'**;  
 **var** d = 0;  
 **if** (distance.includes(km)) {  
 d = parseFloat(distance) \* 1000;  
 }  
 **else** {  
 d = parseFloat(distance);  
 }  
 **var** numOfPassengers = **document**.getElementById(**'hiddenNumOfPassengers'**).value;  
 **if** (numOfPassengers > 0) {  
 **var** timeDifferenceMilliseconds = departing - today;  
 **if** (timeDifferenceMilliseconds <= 300000) {  
 **if** (d <= 500) {  
 *//for the driver* **if** (**sessionStorage**.getItem(**'myDriverID'**) == **document**.getElementById(**'hiddenDriverID'**).value) {  
 **window**.location = **"groupJourneyDisplay.html"**;  
 }  
 **else** {  
 *passengerActiveLift*();  
 }  
 }  
 **else** {  
 alert(**'Sorry, but your current location is too far from start location. Please move closer to the area shown on map as A'**);  
 }  
 }  
 **else** {  
 alert(**'Sorry, it is to early to start this lift from the agreed time'**);  
 }  
 }  
 **else** {  
 alert(**'Sorry, but to begin this lift you need at least one passenger. Try "My Requests" to see if anyone'** +  
 **' has requested to join this trip'**)  
 }  
 }  
 }  
 });  
 }  
 **function** *onError*(error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 **case** error.code == 1:  
 alert(**"You have decided not to share your location."**);  
 **break**;  
 **case** error.code == 2:  
 alert(**"The positioning service cannot be reached at this time."**);  
 **break**;  
 **case** error.code == 3:  
 alert(**"The attempt timed out before it could get the location data."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
}  
  
*//convert str time from MySQL into valid datetime format***function** *toDate*(str, format){  
 **var** trimmed = str.substring(0, str.length -3);  
 **var** converted = **new** Date();  
 **if** (format == **"h:m"**){  
 converted.setHours(trimmed.substr(0, trimmed.indexOf(**":"**)));  
 converted.setMinutes(trimmed.substr(trimmed.indexOf(**":"**)+1));  
 converted.setSeconds(0);  
 **return** converted.toLocaleTimeString();  
 }  
 **else**{  
 **return 'Invalid Format'**;  
 }  
}  
  
**function** *displayActiveLift*(liftID){  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, { **timeout**: 7000 , **enableHighAccuracy**: **true**});  
 **function** *onSuccess*(position){  
 **document**.getElementById(**'liftID'**).**value** = liftID;  
 **var** startLat = **sessionStorage**.getItem(**'myLiftStartLat'**);  
 **var** startLng = **sessionStorage**.getItem(**'myLiftStartLng'**);  
 **var** destLat = **sessionStorage**.getItem(**'myLiftDestinationLat'**);  
 **var** destLng = **sessionStorage**.getItem(**'myLiftDestinationLng'**);  
 **var** startLatlng = **new google**.**maps**.*LatLng*(startLat, startLng);  
 **var** destLatLng = **new google**.**maps**.*LatLng*(destLat, destLng);  
 **window**.**sessionStorage**.setItem(**'destinationLat'**, destLat);  
 **window**.**sessionStorage**.setItem(**'destinationLng'**, destLng);  
 **var** driverLat = position.**coords**.**latitude**;  
 **var** driverLng = position.**coords**.**longitude**;  
 **var** driverLatlng = **new google**.**maps**.*LatLng*(driverLat, driverLng);  
 **var** mapOptions = {**zoom**: 11, **center**: driverLatlng};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(**'map'**), mapOptions);  
 **var** start = **new google**.**maps**.*Marker*({**position**: startLatlng, **map**: map, **label**: **' A '**});  
 **var** end = **new google**.**maps**.*Marker*({**position**: destLatLng, **map**: map, **label**: **' B '**});  
 **var** driverLocation = **new google**.**maps**.*Marker*({**position**: driverLatlng, **map**: map, **label**: **' ME '**});  
 *//creates a red circle on map at destination with a raidus of 500m to show where they can complete journey* **var** startCircle = **new google**.**maps**.Circle({  
 **strokeColor**: **'#FF0000'**,  
 **strokeOpacity**: 0.8,  
 **strokeWeight**: 2,  
 **fillColor**: **'#FF0000'**,  
 **fillOpacity**: 0.35,  
 **map**: map,  
 **center**: startLatlng,  
 **radius**: 500  
 });  
 **var** finishCircle = **new google**.**maps**.Circle({  
 **strokeColor**: **'#FF0000'**,  
 **strokeOpacity**: 0.8,  
 **strokeWeight**: 2,  
 **fillColor**: **'#FF0000'**,  
 **fillOpacity**: 0.35,  
 **map**: map,  
 **center**: destLatLng,  
 **radius**: 500  
 });  
 }  
 **function** *onError* (error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 **case** error.code == 1:  
 alert(**"You have decided not to share your location."**);  
 **break**;  
 **case** error.code == 2:  
 alert(**"The positioning service cannot be reached at this time."**);  
 **break**;  
 **case** error.code == 3:  
 alert(**"The attempt timed out before it could get the location data."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
}  
  
**function** *checkIfLiftFinished*() {  
 **var** liftID = **sessionStorage**.getItem(**'myLiftID'**);  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/checkIfLiftFinished'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'liftID'**: liftID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"status"**] == **"lift finished"** ){  
 **var** alerted = **sessionStorage**.getItem(**'alerted'**) || **''**;  
 *//this is to stop multiple alerts appearing* **if** (alerted != **'yes'**) {  
 alert(**'lift finished! You will be brought to the ratings page next.'**);  
 **sessionStorage**.setItem(**'alerted'**,**'yes'**);  
 }  
 **window**.location = **"liftComplete.html"**;  
 }  
 **else**{  
 *//runs function every 15 seconds to see if lift has been completed by driver* **window**.setInterval(*checkIfLiftFinished*, 15000);  
 }  
 })  
}  
**function** *checkIfCanFinish*(){  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, { **timeout**: 7000 , **enableHighAccuracy**: **true**});  
 **function** *onSuccess*(position){  
 **var** driverLocation = **new google**.**maps**.*LatLng*(position.**coords**.**latitude**, position.**coords**.**longitude**);  
 **var** destLat = **sessionStorage**.getItem(**'myLiftDestinationLat'**);  
 **var** destLng = **sessionStorage**.getItem(**'myLiftDestinationLng'**);  
 **var** destLatLng = **new google**.**maps**.*LatLng*(destLat, destLng);  
 *calcDistance*(driverLocation, destLatLng)  
 .**done**(**function** (response) {  
 **var** origins = response.originAddresses;  
 **for** (**var** i = 0; i < origins.length; i++) {  
 **var** results = response.**rows**[i].elements;  
 **for** (**var** j = 0; j < results.**length**; j++) {  
 **var** distance = results[j].**distance**.**text**;  
 **var** km = **'k'**;  
 **var** d = 0;  
 **if** (distance.includes(km)) {  
 d = parseFloat(distance) \* 1000;  
 }  
 **else** {  
 d = parseFloat(distance);  
 }  
 **var** mapOptions = {**zoom**: 11, **center**: driverLocation};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(**'map'**), mapOptions);  
 **var** marker;  
 **var** destination;  
 **if** (d <= 500) {  
 marker = **new google**.**maps**.*Marker*({**position**: driverLocation, **map**: map, **label**: **' ME '**});  
 *completeLiftAndFilterRatingList*(**sessionStorage**.getItem(**'myLiftID'**));  
 **window**.location = **"liftComplete.html"**;  
 }  
 **else** {  
 marker = **new google**.**maps**.*Marker*({**position**: driverLocation, **map**: map, **label**: **' ME '**});  
 destination = **new google**.**maps**.*Marker*({**position**: destLatLng, **map**: map, **label**: **' B '**});  
 **var** destinationCircle = **new google**.**maps**.Circle({  
 **strokeColor**: **'#FF0000'**,  
 **strokeOpacity**: 0.8,  
 **strokeWeight**: 2,  
 **fillColor**: **'#FF0000'**,  
 **fillOpacity**: 0.35,  
 **map**: map,  
 **center**: destLatLng,  
 **radius**: 500  
 });  
 alert(**'Sorry, you are too far from the destination to complete it. Get within '** +  
 **'500 meters to complete journey'**);  
 }  
 }  
 }  
 })  
 }  
 **function** *onError* (error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 **case** error.code == 1:  
 alert(**"You have decided not to share your location."**);  
 **break**;  
 **case** error.code == 2:  
 alert(**"The positioning service cannot be reached at this time."**);  
 **break**;  
 **case** error.code == 3:  
 alert(**"The attempt timed out before it could get the location data."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \* PROFILE PAGE  
 \*/***function** *getProfile*(passengerID) {  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/getUserID'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'passengerID'**: passengerID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **window**.**sessionStorage**.setItem(**'profileUserID'**, result[**"userID"**]);  
 **window**.location = **'profile.html'**;  
 })  
}  
  
**function** *populateProfile*(userID){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/profile'**,  
 **type**: **'post'**,  
 **data**: ***JSON***.stringify({**'userID'**: userID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (**sessionStorage**.getItem(**'userID'**) != **sessionStorage**.getItem(**'profileUserID'**)) {  
 **document**.getElementById(**'profileEditBtn'**).setAttribute(**'class'**, **'hidden'**);  
 **document**.getElementById(**'profileBackBtn'**).setAttribute(**'class'**, **'col-xs-12'**);  
 }  
 **document**.getElementById(**'hiddenUserId'**).**value** = **sessionStorage**.getItem(**'profileUserID'**);  
 **document**.getElementById(**'profileCreated'**).**value** = result[**"created"**];  
 **document**.getElementById(**'profileName'**).**innerHTML**= result[**"name"**];  
 **document**.getElementById(**'profileEmail'**).**value** = result[**"email"**];  
 **document**.getElementById(**'profilePhone'**).**value** = result[**"phone"**];  
 **document**.getElementById(**'profileRatingAmt'**).**value** = **'( '** + result[**"numOfRatings"**] + **' )'**;  
 **document**.getElementById(**'profileExp'**).**value** = result[**"experience"**] + **' XP '**;  
 **document**.getElementById(**'profileDistance'**).**value** = result[**"overallDistance"**] + **' KM '**;  
 **document**.getElementById(**'profileRating'**).**value** = parseFloat(result[**"rating"**]);  
 **if** (result[**'overallPassengers'**] != 0){  
 **document**.getElementById(**'profilePassengers'**).**value** = result[**"overallPassengers"**];  
 }  
 **else**{  
 **document**.getElementById(**'profilePassengers'**).setAttribute(**'class'**, **'hidden'**);  
 **document**.getElementById(**'passengerLbl'**).setAttribute(**'class'**, **'hidden'**);  
 }  
 **if**(result[**"carMake"**] == **"None"**){  
 **document**.getElementById(**'profileCarDetailsDiv'**).setAttribute(**'class'**, **'hidden'**);  
 }  
 **else**{  
 **document**.getElementById(**'profileCarMake'**).**value** = result[**"carMake"**];  
 **document**.getElementById(**'profileCarModel'**).**value** = result[**"carModel"**];  
 **document**.getElementById(**'profileCarReg'**).**value** = result[**"carReg"**];  
 }  
 **$**(**'#profileRating'**).rating({**showCaption**:**true**});  
 })  
}  
  
**function** *getPicture*(userID){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/getPicture'**,  
 **type**: **'post'**,  
 **async**: **true**,  
 **data**: ***JSON***.stringify({**'userID'**: userID})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 alert(**'Sorry, there was a problem loading profile picture'**);  
 })  
 .**done**(**function** (data) {  
 **$**(**"#profilePic"**).attr(**"src"**,**"data:image/jpeg;base64,"** + data);  
 })  
}  
  
**function** *edit*(){  
 **if** ( **document**.getElementById(**'profilePhone'**).hasAttribute(**'readonly'**))  
 {  
 **document**.getElementById(**'saveChangesBtn'**).setAttribute(**'class'**, **'col-xs-12'**);  
 **document**.getElementById(**'deleteBtn'**).setAttribute(**'class'**, **'col-xs-12'**);  
 **document**.getElementById(**'file'**).setAttribute(**'class'**, **'col-xs-12'**);  
 **document**.getElementById(**'profilePhone'**).removeAttribute(**'readonly'**) ;  
 **document**.getElementById(**'profilePhone'**).setAttribute(**'class'**, **'profileEditedInputs col-xs-12'**);  
 **if** (**document**.getElementById(**'profileCarMake'**).value != **""**)  
 {  
 **document**.getElementById(**'profileCarMake'**).removeAttribute(**'readonly'**) ;  
 **document**.getElementById(**'profileCarMake'**).setAttribute(**'class'**, **'profileEditedInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarModel'**).removeAttribute(**'readonly'**);  
 **document**.getElementById(**'profileCarModel'**).setAttribute(**'class'**, **'profileEditedInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarReg'**).removeAttribute(**'readonly'**);  
 **document**.getElementById(**'profileCarReg'**).setAttribute(**'class'**, **'profileEditedInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarDetailsDiv'**).removeAttribute( **'class'**);  
 }  
 }  
 **else**{  
 **document**.getElementById(**'file'**).setAttribute(**'class'**, **'hidden'**);  
 **document**.getElementById(**'saveChangesBtn'**).setAttribute(**'class'**, **'hidden col-xs-12'**);  
 **document**.getElementById(**'deleteBtn'**).setAttribute(**'class'**, **'hidden col-xs-12'**);  
 **document**.getElementById(**'profilePhone'**).setAttribute(**'readonly'**, **'true'**);  
 **document**.getElementById(**'profileCarMake'**).setAttribute(**'readonly'**, **'true'**);  
 **document**.getElementById(**'profileCarModel'**).setAttribute(**'readonly'**, **'true'**);  
 **document**.getElementById(**'profileCarReg'**).setAttribute(**'readonly'**, **'true'**);  
 **document**.getElementById(**'profilePhone'**).setAttribute(**'class'**, **'profileInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarMake'**).setAttribute(**'class'**, **'profileInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarModel'**).setAttribute(**'class'**, **'profileInputs col-xs-12'**);  
 **document**.getElementById(**'profileCarReg'**).setAttribute(**'class'**, **'profileInputs col-xs-12'**);  
 **if**(**document**.getElementById(**'profileCarMake'**).value == **""** || **document**.getElementById(**'profileCarModel'**).value ==**""** || **document**.getElementById(**'profileCarReg'**).value == **""**){  
 **document**.getElementById(**'profileCarDetailsDiv'**).setAttribute(**'class'**, **'hidden'**);  
 }  
 }  
}  
  
**function** *updateInfo*(){  
 **event**.preventDefault(); *// prevents form submitting normally* **var** form =**$**(**'#profileForm'**)[0];  
 **var** formData = **new FormData**(form);  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/updateInfo'**,  
 **type**:**'post'**,  
 **enctype**: **'multipart/form-data'**,  
 **processData**: **false**,  
 **contentType**: **false**,  
 **cache**: **false**,  
 **data**: formData })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if** (result[**"update"**] == **"complete"**){  
 alert(**'Your details have been updated.'**);  
 location.reload();  
 }  
 **else**{  
 alert(**'Sorry, there was a problem updating your details.'**);  
 location.reload();  
 }  
 })  
}  
  
**function** *deleteAccount*(){  
 **var** r = confirm(**'This will delete your account from Looprac. Are you sure you want to do this?'**);  
 **if** (r == **true**){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/deleteAccount'**,  
 **type**:**'post'**,  
 **data**: ***JSON***.stringify({**'userID'**: **sessionStorage**.getItem(**'userID'**)}) })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **if**(result[**"status"**] == **"complete"**){  
 alert(**"Your account has been deleted. Sorry to see you go :'("**);  
 **sessionStorage**.clear();  
 **window**.location = **"login.html"**;  
 }  
 })  
 }  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \* LEADERBOARD  
 \*/***function** *getLeaderBoard*(){  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/leaderboard'**,  
 **type**:**'post'**,  
 **data**: ***JSON***.stringify({**'userID'**: **sessionStorage**.getItem(**'userID'**)})  
  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **var** result = ***JSON***.parse(data);  
 **var** name = **''**;  
 **var** passengerID = 0;  
 **var** exp = 0;  
 **var** trID = **''**;  
 **var** tdID = **''**;  
 **var** tr = **''**;  
 **var** row;  
 **var** table = **$**(**'#leaderboardTbl'**);  
 **for** (**var** i = 0; i < result.length ; i ++ ) {  
 row = i + 1;  
 name = result[i][**"name"**];  
 passengerID = result[i][**"passengerID"**];  
 exp = result[i][**"experience"**];  
 trID = **'trID'** + i.toString();  
 tdID = **'tdID'** + i.toString();  
 **if**(passengerID == **sessionStorage**.getItem(**'passengerID'**)){  
 tr = **'<tr style="color:#000000; background-color: #ffffff;" onclick="***getProfile***('** + passengerID  
 + **')" id='** + trID + **' ><td>'** + row + **' </td><td class="hidden" id='** + tdID + **'>'** + passengerID  
 + **'</td><td>'** + name + **'</td><td>'** + exp + **'</td><td></tr>'**;  
 **var** positon = i + 1;  
 **document**.getElementById(**'position'**).**innerHTML** = **'You are number '** + positon;  
 }  
 **else**{  
 tr = **'<tr style="color:#ff8800;" onclick="***getProfile***('** + passengerID + **')" id='** + trID  
 + **' ><td class="hidden" id='** + tdID + **'>'** + passengerID + **'</td><td>'** + row + **' </td><td>'** + name + **'</td><td>'** + exp + **'</td><td></tr>'**;  
 }  
 table.append(tr);  
 }  
 })  
}  
  
  
*/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 GOOGLE API FUNCTION CALLS FOR OFFER LIFT FORM  
 \*/  
  
// api call that displays the route between start and destination on map***function** *calcRoute*(startLatLng, destLatLng, map){  
 **var** directionsService = **new google**.**maps**.DirectionsService;  
 **var** directionsDisplay = **new google**.**maps**.DirectionsRenderer;  
 directionsDisplay.setMap(map);  
 **var** request ={  
 **origin**: startLatLng,  
 **destination**: destLatLng,  
 **travelMode**: **'DRIVING'**,  
 **unitSystem**: **google**.**maps**.UnitSystem.METRIC  
 };  
 directionsService.route(request, **function**(result, status){  
 **if** (status == **'OK'**){  
 **console**.log(**'in success '**);  
 directionsDisplay.setDirections(result);  
 }  
 });  
}  
  
*//api call for getting distance between points on google maps***function** *calcDistance*(startLatLng, destLatLng){  
 **var** service = **new google**.**maps**.DistanceMatrixService;  
 **var** d = **$**.Deferred();  
 **var** distance = service.getDistanceMatrix({  
 **origins**: [startLatLng],  
 **destinations**: [destLatLng],  
 **travelMode**: **'DRIVING'**,  
 **unitSystem**: **google**.**maps**.UnitSystem.Metric  
 }, **function** (response, status) {  
 **if** (status != **google**.**maps**.DistanceMatrixStatus.OK){  
 d.reject(status);  
 }  
 **else**{  
 d.resolve(response);  
 }  
 });  
 **return** d.**promise**();  
}  
  
**function** *showLift*(startLat, startLng, destinationLat, destinationLng, mapID){  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, { **timeout**: 7000 , **enableHighAccuracy**: **true** , **maximumAge**: 0});  
 **function** *onSuccess*(position) {  
 *//Google Maps* **var** startLatlng = **new google**.**maps**.*LatLng*(startLat,startLng);  
 **var** destLatLng = **new google**.**maps**.*LatLng*(destinationLat, destinationLng);  
 **var** mapOptions = {**zoom**: 7,**center**: startLatlng};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(mapID), mapOptions);  
 *calcRoute*(startLatlng, destLatLng, map);  
 **var** markers = [startLatlng, destLatLng];  
 **var** startCircle = **new google**.**maps**.Circle({  
 **strokeColor**: **'#FF0000'**,  
 **strokeOpacity**: 0.8,  
 **strokeWeight**: 2,  
 **fillColor**: **'#FF0000'**,  
 **fillOpacity**: 0.35,  
 **map**: map,  
 **center**: startLatlng,  
 **radius**: 500  
 });  
 **var** destinationCircle = **new google**.**maps**.Circle({  
 **strokeColor**: **'#FF0000'**,  
 **strokeOpacity**: 0.8,  
 **strokeWeight**: 2,  
 **fillColor**: **'#FF0000'**,  
 **fillOpacity**: 0.35,  
 **map**: map,  
 **center**: destLatLng,  
 **radius**: 500  
 });  
 **for** (**var** i = 0; i <= markers.**length**; i ++)  
 {  
 **var** marker = **new google**.**maps**.*Marker*({**position**: markers[i],**map**: map});  
 }  
 }  
 **function** *onError* (error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 **case** error.code == 1:  
 alert(**"You have decided not to share your location."**);  
 **break**;  
 **case** error.code == 2:  
 alert(**"The positioning service cannot be reached at this time."**);  
 **break**;  
 **case** error.code == 3:  
 alert(**"The attempt timed out before it could get the location data."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
}  
  
**function** *geocodeCoords*(lat, lng, elementID){  
 **var** geocoder = **new google**.**maps**.Geocoder;  
 **var** latLng = **new google**.**maps**.*LatLng*(lat, lng);  
 **var** address = **""**;  
 geocoder.geocode({**'latLng'**: latLng}, **function** check(results, status) {  
 **if** (status == **google**.**maps**.GeocoderStatus.OK) {  
 **if** (results[0]) {  
 **var** address = **""**;  
 address = results[0].formatted\_address;  
 }  
 }  
 **document**.getElementById(elementID).**value** = address;  
 });  
}  
  
**function** *mainPageMap*() {  
 **$**.**ajax**({  
 **url**: **'http://looprac.pythonanywhere.com/getLifts'**,  
 **type**: **'post'**,  
 **async**: **false**,  
 **data**: ***JSON***.stringify({**"passengerID"**: **sessionStorage**.getItem(**"passengerID"**)})  
 })  
 .fail(**function** (jqXHR, textStatus, errorThrown) {  
 **console**.log(**'AJAX ERROR\njqXHR: '** + jqXHR + **'\ntext status: '** + textStatus + **'\nError thrown: '** + errorThrown);  
 })  
 .**done**(**function** (data) {  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, {**timeout**: 7000, **enableHighAccuracy**: **true**,  
 **maximumAge**: 0});  
 **function** *onSuccess*(position) {  
 **var** result = ***JSON***.parse(data);  
 **var** infoWindow = **new google**.**maps**.InfoWindow;  
 **var** lat = position.**coords**.**latitude**;  
 **var** lang = position.**coords**.**longitude**;  
 **var** i;  
 **var** myLatlng = **new google**.**maps**.*LatLng*(lat, lang);  
 **var** mapOptions = {**zoom**: 20, **center**: myLatlng};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(**'map-canvas'**), mapOptions);  
 **var** locationStartLat;  
 **var** locationStartLng;  
 **var** locationLatLng;  
 **var** mylocation = **new google**.**maps**.*Marker*({**position**: myLatlng, **map**: map, **label**: **' ME '**});  
 **if** (result[0][**"availablelifts"**] == **"yes"**) {  
 **for** (i = 0; i < result.length; i++) {  
 **console**.log(**'marker creation '** + result[i][**"startLat"**] + **' '** + result[i][**"startLng"**]);  
 locationStartLat = result[i][**"startLat"**];  
 locationStartLng = result[i][**"startLng"**];  
 locationLatLng = **new google**.**maps**.*LatLng*(locationStartLat, locationStartLng);  
 **var** marker = **new google**.**maps**.*Marker*({  
 **position**: locationLatLng,  
 **map**: map,  
 **label**: i.toString(),  
 **animation**: **google**.**maps**.**Animation**.**DROP** });  
 **google**.**maps**.**event**.addListener(marker, **'click'**, (**function** (marker, i) {  
 **return function** () {  
 infoWindow.setContent(**'Start Point'**);  
 infoWindow.open(map, marker);  
 *expandLift*(result[i][**"liftID"**], result[i][**"driverID"**]);  
 }  
 })(marker, i));  
 }  
 }  
 }  
 **function** *onError*(error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 }  
 }  
 *// if gps timesout prompts user to turn on GPS and it will refresh and try again* **function** *refresh*() {  
 **if** (confirm(**"Timed out\nPlease turn your GPS is turned on\n\nClick OK to try agian"**) == **true**) {  
 location.reload();  
 }  
 }  
 });  
}  
  
**function** *initMap*(){  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, { **timeout**: 7000 , **enableHighAccuracy**: **true** , **maximumAge**: 0});  
 **function** *onSuccess*(position) {  
 **var** lat = position.**coords**.**latitude**;  
 **var** lang = position.**coords**.**longitude**;  
 *//Google Maps* **var** myLatlng = **new google**.**maps**.*LatLng*(lat,lang);  
 **var** mapOptions = {**zoom**: 20,**center**: myLatlng};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(**'map-canvas'**), mapOptions);  
 **var** marker = **new google**.**maps**.*Marker*({**position**: myLatlng,**map**: map, **draggable**: **true**,  
 **animation**: **google**.**maps**.**Animation**.**DROP**});  
 *choseLocation*(marker, map);  
 }  
 **function** *onError* (error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
 *// if gps timesout prompts user to turn on GPS and it will refresh and try again* **function** *refresh*(){  
 **if**(confirm(**"Timed out\nPlease turn your GPS is turned on\n\nClick OK to try agian"**) == **true**){  
 location.reload();  
 }  
 }  
}  
  
**function** *choseLocation*(marker, map){  
 **var** geocoder = **new google**.**maps**.Geocoder;  
 **var** infowindow = **new google**.**maps**.InfoWindow;  
 **google**.**maps**.**event**.addListener(marker, **'dragend'**, **function** (event)  
 {  
 **var** lat = **this**.getPosition().**lat**();  
 **var** lng =**this**.getPosition().**lng**();  
 **var** latLng = **new google**.**maps**.*LatLng*(lat,lng);  
 **document**.getElementById(**'chosen\_lat'**).**value** = lat;  
 **document**.getElementById(**'chosen\_long'**).**value** = lng;  
 geocoder.geocode({**'latLng'**: latLng}, **function** (results, status) {  
 **if**(status == **google**.**maps**.GeocoderStatus.OK){  
 **if**(results[0]){  
 **var** address = **""**;  
 **var** county = **""**;  
 **for**(**var** i **in** results[0].address\_components){  
 **if**(results[0].address\_components[i].**types**.toString() == **"administrative\_area\_level\_2,political"**)  
 {  
 county = results[0].address\_components[i].short\_name;  
 **console**.log(**'county '** + county);  
 }  
 address += results[0].address\_components[i].long\_name;  
 }  
 **document**.getElementById(**'location'**).**value** = results[0].formatted\_address;  
 **document**.getElementById(**'chosen\_county'**).**value** = county;  
 infowindow.setContent(address);  
 infowindow.open(map, marker);  
 }  
 }  
 });  
 });  
}  
  
**function** *locationChoice*() {  
 **var** startLocation = **document**.getElementById(**'location'**).value;  
 **var** lat = **document**.getElementById(**'chosen\_lat'**).value;  
 **var** lng = **document**.getElementById(**'chosen\_long'**).value;  
 **var** county = **document**.getElementById(**'chosen\_county'**).value;  
 **window**.**sessionStorage**.setItem(**'start\_local'**, startLocation);  
 **window**.**sessionStorage**.setItem(**'start\_local\_lat'**, lat );  
 **window**.**sessionStorage**.setItem(**'start\_local\_lng'**, lng);  
 **window**.**sessionStorage**.setItem(**'start\_county'**, county);  
 **window**.**history**.back();  
}  
  
**function** *initDestinationMap*(){  
 **navigator**.**geolocation**.getCurrentPosition(*onSuccess*, *onError*, { **timeout**: 7000 , **enableHighAccuracy**: **true** , **maximumAge**: 0});  
 **function** *onSuccess*(position) {  
 **var** lat = position.**coords**.**latitude**;  
 **var** lang = position.**coords**.**longitude**;  
 **var** accuracy = position.**coords**.**accuracy**;  
 **var** myLatlng = **new google**.**maps**.*LatLng*(lat,lang);  
 **var** mapOptions = {**zoom**: 20,**center**: myLatlng};  
 **var** map = **new google**.**maps**.Map(**document**.getElementById(**'map-canvas'**), mapOptions);  
 **var** marker = **new google**.**maps**.*Marker*({**position**: myLatlng,**map**: map, **draggable**: **true**});  
 *chooseDestination*(marker, map);  
 }  
 **function** *onError* (error) {  
 **switch** (error.code) {  
 **case** error.**TIMEOUT**:  
 *refresh*();  
 **break**;  
 **case** error.**POSITION\_UNAVAILABLE**:  
 alert(**"Please ensure your GPS is turned on !\n\nPosition unavailable."**);  
 **break**;  
 }  
 }  
 **google**.**maps**.**event**.addDomListener(**window**, **'load'**, *onSuccess*);  
 *// if gps timesout prompts user to turn on GPS and it will refresh and try again* **function** *refresh*(){  
 **if**(confirm(**"Timed out\nPlease turn your GPS is turned on\n\nClick OK to try agian"**) == **true**){  
 location.reload();  
 }  
 }  
}  
  
**function** *chooseDestination*(marker, map){  
 **var** geocoder = **new google**.**maps**.Geocoder;  
 **var** infowindow = **new google**.**maps**.InfoWindow;  
 **google**.**maps**.**event**.addListener(marker, **'dragend'**, **function** (event)  
 {  
 **var** lat = **this**.getPosition().**lat**();  
 **var** lng =**this**.getPosition().**lng**();  
 **var** latLng = **new google**.**maps**.*LatLng*(lat,lng);  
 **document**.getElementById(**'chosen\_lat'**).**value** = lat;  
 **document**.getElementById(**'chosen\_long'**).**value** = lng;  
 geocoder.geocode({**'latLng'**: latLng}, **function** (results, status) {  
 **if**(status == **google**.**maps**.GeocoderStatus.OK){  
 **if**(results[0]){  
 **var** address = **""**;  
 **var** county = **""**;  
 **for**(**var** i **in** results[0].address\_components){  
 **if**(results[0].address\_components[i].**types**.toString() == **"administrative\_area\_level\_2,political"**)  
 {  
 county = results[0].address\_components[i].short\_name;  
 **console**.log(**'county '** + county);  
 }  
 address += **' '** + results[0].address\_components[i].long\_name;  
 }  
 **document**.getElementById(**'destination'**).**value** = results[0].formatted\_address;  
 **document**.getElementById(**'chosen\_county'**).**value** = county;  
 infowindow.setContent(address);  
 infowindow.open(map, marker);  
 }  
 }  
 });  
 });  
}  
  
**function** *destinationChoice*() {  
 **var** destinationLocation = **document**.getElementById(**'destination'**).value;  
 **var** lat = **document**.getElementById(**'chosen\_lat'**).value;  
 **var** lng = **document**.getElementById(**'chosen\_long'**).value;  
 **var** county = **document**.getElementById(**'chosen\_county'**).value;  
 **window**.**sessionStorage**.setItem(**'destination\_local'**, destinationLocation);  
 **window**.**sessionStorage**.setItem(**'destination\_local\_lat'**, lat );  
 **window**.**sessionStorage**.setItem(**'destination\_local\_lng'**, lng);  
 **window**.**sessionStorage**.setItem(**'destination\_county'**, county);  
 **window**.**history**.back();  
}

# Backend API

## app.py

**from** flask **import** Flask, request, Response  
**import** db  
**import** json  
**import** string  
**import** random  
**from** werkzeug.utils **import** secure\_filename  
**import** os  
**import** base64  
**import** data\_utils  
UPLOAD\_FOLDER = **'Uploads/'**app = Flask(\_\_name\_\_)  
randomsecretkey = **''**.join(random.SystemRandom().choice(string.ascii\_uppercase + string.digits) **for** \_ **in** range(50))  
app.secret\_key = randomsecretkey  
app.config[**'UPLOAD\_FOLDER'**] = UPLOAD\_FOLDER  
  
  
@app.after\_request  
**def** apply\_caching(response):  
 response.headers[**'Access-Control-Allow-Origin'**] = **'\*'  
 return** response  
  
  
@app.route(**'/'**)  
**def** home():  
 **return 'API home screen'**@app.route(**'/getLifts'**, methods=[**'PUT'**, **'POST'**])  
**def** main\_page\_lifts():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 d = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_main\_page\_lifts(d[**'passengerID'**])  
 **return** js\_obj  
  
  
@app.route(**'/availableLifts'**, methods=[**'PUT'**, **'POST'**])  
**def** available\_lifts():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 d = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.list\_available\_lifts(d[**'passengerID'**])  
 **return** js\_obj  
  
  
@app.route(**'/liftDetails'**, methods=[**'PUT'**, **'POST'**])  
**def** lift\_details():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.getLiftDetails(j[**'liftID'**], j[**'driverID'**])  
 **return** js\_obj  
  
  
@app.route(**'/registeruser'**, methods=[**'PUT'**, **'POST'**])  
**def** registeruser():  
 filename = **""  
 if** request.method == **'POST'**:  
 first\_name = request.form[**'firstName'**]  
 last\_name = request.form[**'lastName'**]  
 email = request.form[**'email'**]  
 phonenum = request.form[**'phoneNum'**]  
 password = request.form[**'password'**]  
 file = request.files[**'file'**]  
 **if** file:  
 basedir = os.path.abspath(os.path.dirname(\_\_file\_\_))  
 filename = secure\_filename(email + **'.jpg'**)  
 file.save(os.path.join(basedir, app.config[**'UPLOAD\_FOLDER'**], filename))  
 js\_obj = db.register(first\_name, last\_name, email, phonenum, password, filename)  
 **return** js\_obj  
 **else**:  
 **return 'POST did not work'**@app.route(**'/registercar'**, methods=[**'PUT'**, **'POST'**])  
**def** register\_car():  
 **if** request.method == **'POST'**:  
 user\_id = request.form[**'userID'**]  
 car\_make = request.form[**'carMake'**]  
 car\_model = request.form[**'carModel'**]  
 reg\_num = request.form[**'regNum'**]  
 **if** car\_make **is '' or** car\_model **is '' or** reg\_num **is ''**:  
 js\_obj = json.dumps({**"status"**: **"Not all required elements are entered"**})  
 **return** js\_obj  
 **else**:  
 js\_obj = db.register\_car\_and\_driver(user\_id, car\_make, car\_model, reg\_num)  
 **return** js\_obj  
  
  
@app.route(**'/loginuser'**, methods=[**'PUT'**, **'POST'**])  
**def** login():  
 **if** request.method == **'POST'**:  
 data = db.process\_login(request.form[**'email\_login'**], request.form[**'password\_login'**])  
 **return** data  
  
  
@app.route(**'/logoutuser'**, methods=[**'PUT'**, **'POST'**])  
**def** logout():  
 **if** request.method == **'POST'**:  
 data = db.process\_logout(request.form[**'userID'**])  
 **return** data  
  
  
@app.route(**'/offerLift'**, methods=[**'POST'**])  
**def** sub\_offer\_lift():  
 **if** request.method == **'POST'**:  
 data = request.get\_json()  
 js\_obj = db.register\_offer\_lift(data[**'userID'**], data[**'start\_lat'**],data[**'start\_long'**], data[**'start\_county'**],  
 data[**'destination\_lat'**], data[**'destination\_long'**], data[**'destination\_county'**],  
 data[**'distance'**], data[**'departing'**], data[**'seats'**])  
 **return** js\_obj  
  
  
@app.route(**'/checkcarregistered'**, methods=[**'PUT'**,**'POST'**])  
**def** check\_user\_registered\_car():  
 **if** request.method == **'POST'**:  
 data = request.get\_json()  
 js\_obj = db.check\_if\_car\_exists(data[**'userid'**])  
 **return** js\_obj  
  
  
*# REQUESTS*@app.route(**'/myRequests'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_requests():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_my\_requests(request.form[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/requestDetails'**, methods=[**'PUT'**, **'POST'**])  
**def** request\_details():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_request\_details(j[**'requestID'**])  
 **return** js\_obj  
  
  
@app.route(**'/requestLift'**, methods=[**'PUT'**, **'POST'**])  
**def** request\_lift():  
 **if** request.method == **'POST'**:  
 data = db.process\_request(request.form[**'liftID'**], request.form[**'passengerID'**])  
 **return** data  
  
  
@app.route(**'/availableRequests'**, methods=[**'PUT'**, **'POST'**])  
**def** available\_requests():  
 **if** request.method == **'POST'**:  
 js\_obj = db.list\_user\_requests(request.form[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/acceptRequest'**, methods=[**'PUT'**,**'POST'**])  
**def** accept\_request():  
 **if** request.method == **'POST'**:  
 js\_obj = db.accept\_request(request.form[**'requestID'**])  
 **return** js\_obj  
  
  
@app.route(**'/denyRequest'**, methods=[**'PUT'**, **'POST'**])  
**def** deny\_request():  
 **if** request.method == **'POST'**:  
 js\_obj = db.deny\_request(request.form[**'requestID'**])  
 **return** js\_obj  
  
  
*# MY GROUPS*@app.route(**'/myGroups'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_groups():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_my\_groups(request.form[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/groupDetails'**, methods=[**'PUT'**, **'POST'**])  
**def** group\_details():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_group\_details(j[**'liftID'**], j[**'groupID'**])  
 **return** js\_obj  
  
  
@app.route(**'/myCompletedGroups'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_completed\_groups():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_my\_completed\_groups(request.form[**'userID'**])  
 **return** js\_obj  
  
*# MY LIFTS*@app.route(**'/myCompletedLifts'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_completed\_lifts():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_my\_completed\_lifts(request.form[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/myLifts'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_lifts():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_my\_lifts(request.form[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/myLiftDetails'**, methods=[**'PUT'**, **'POST'**])  
**def** my\_lift\_details():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_my\_lift\_details(j[**'liftID'**])  
 **return** js\_obj  
  
  
@app.route(**'/checkIfCanDeleteLift'**, methods=[**'PUT'**, **'POST'**])  
**def** check\_if\_can\_delete():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.check\_can\_delete(j[**'liftID'**])  
 **return** js\_obj  
  
  
@app.route(**'/deleteLift'**, methods=[**'PUT'**, **'POST'**])  
**def** deletelift():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.delete\_lift(j[**'liftID'**])  
 **return** js\_obj  
  
  
@app.route(**'/completeLift'**, methods=[**'PUT'**, **'POST'**])  
**def** complete\_lift():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.complete\_lift(j[**'liftID'**])  
 **return** js\_obj  
  
  
*# FINISH LIFT*@app.route(**'/rateUsers'**, methods=[**'PUT'**, **'POST'**])  
**def** rate\_users():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.rate\_group(j[**'driverID'**], j[**'driverRating'**], j[**'passengerData'**])  
 **return** js\_obj  
  
  
@app.route(**'/checkIfDriver'**, methods=[**'PUT'**, **'POST'**])  
**def** check\_if\_driver():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.check\_if\_user\_is\_driver(j[**'liftID'**], j[**'driverID'**])  
 **return** js\_obj  
  
  
@app.route(**'/getExperience'**, methods=[**'PUT'**, **'POST'**])  
**def** get\_experience():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_user\_experience(j[**'userID'**], j[**'newExp'**], j[**'distance'**], j[**'numOfPassengers'**])  
 **return** js\_obj  
  
  
@app.route(**'/populateRatingTables'**, methods=[**'PUT'**, **'POST'**])  
**def** populate\_ratings\_table():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.pop\_ratings\_table(j[**'liftID'**], j[**'userID'**])  
 **return** js\_obj  
  
  
*# ACTIVE LIFT*@app.route(**'/getDriver'**, methods=[**'PUT'**, **'POST'**])  
**def** get\_driver():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_driver\_id(j[**'liftID'**])  
 **return** js\_obj  
  
  
@app.route(**'/checkIfLiftFinished'**, methods=[**'PUT'**, **'POST'**])  
**def** check\_if\_lift\_finished():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.check\_if\_lift\_finished(j[**'liftID'**])  
 **return** js\_obj  
  
  
*# PROFILE*@app.route(**'/profile'**, methods=[**'PUT'**, **'POST'**])  
**def** user\_profile():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_profile(j[**'userID'**])  
 **return** js\_obj  
  
  
@app.route(**'/getPicture'**, methods=[**'POST'**, **'PUT'**])  
**def** get\_profile\_picture():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 filename = db.get\_picture(j[**'userID'**])  
 basedir = os.path.abspath(os.path.dirname(\_\_file\_\_))  
 filepath = os.path.join(basedir, app.config[**'UPLOAD\_FOLDER'**], filename)  
 **with** open(filepath, **"rb"**) **as** image\_file:  
 encoded\_string = base64.b64encode(image\_file.read())  
 **return** Response(encoded\_string, mimetype=**'image/jpeg'**, headers={  
 **"Content-disposition"**: **"attachment: filename="**+filepath})  
  
  
@app.route(**'/getUserID'**, methods=[**'PUT'**, **'POST'**])  
**def** get\_user():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.get\_user\_id(j[**'passengerID'**])  
 **return** js\_obj  
  
  
@app.route(**'/updateInfo'**, methods=[**'PUT'**, **'POST'**])  
**def** update\_info():  
 **if** request.method == **'POST'**:  
 user\_id = request.form[**'userID'**]  
 phone = request.form[**'phone'**]  
 email = request.form[**'email'**]  
 car\_make = request.form[**'carMake'**]  
 car\_model = request.form[**'carModel'**]  
 car\_reg = request.form[**'carReg'**]  
 file = request.files[**'file'**]  
 **if** file:  
 data\_utils.delete\_item(email)  
 basedir = os.path.abspath(os.path.dirname(\_\_file\_\_))  
 filename = secure\_filename(email + **'.jpg'**)  
 file.save(os.path.join(basedir, app.config[**'UPLOAD\_FOLDER'**], filename))  
 js\_obj = db.update\_details(user\_id, phone, car\_make, car\_model, car\_reg)  
 **return** js\_obj  
  
  
@app.route(**'/leaderboard'**, methods=[**'PUT'**, **'POST'**])  
**def** leaderboard():  
 **if** request.method == **'POST'**:  
 js\_obj = db.get\_leaderboard()  
 **return** js\_obj  
  
  
@app.route(**'/deleteAccount'**, methods=[**'PUT'**, **'POST'**])  
**def** delete\_account():  
 **if** request.method == **'POST'**:  
 data = request.get\_data()  
 j = json.loads(data.decode(**'UTF-8'**))  
 js\_obj = db.delete\_user\_account(j[**'userID'**])  
 **return** js\_obj

## db.py

**import** DBcm  
**import** json  
**import** hashlib  
**import** datetime  
**import** data\_utils  
  
config = {  
 **'host'**: **'Looprac.mysql.pythonanywhere-services.com'**,  
 **'user'**: **'Looprac'**,  
 **'password'**: **'itcarlow'**,  
 **'database'**: **'Looprac$LoopracDB'**}  
  
  
**def** get\_main\_page\_lifts(passenger\_id):  
 js\_obj = {}  
 d = []  
 now = datetime.datetime.now()  
 time = now.strftime(**"%Y-%m-%d %H:%M:%S"**)  
 \_FILTERLIFTLIST\_SQL = **"""SELECT l.LiftID, l.DriverID, l.Start\_Lat, l.Start\_Long  
 FROM Lift l, Driver d, User u, Passenger p  
 WHERE l.Available\_Spaces > 0  
 AND l.Depart\_Date > %s  
 AND l.LiftID NOT IN  
 (SELECT LiftID FROM Request WHERE PassengerID = %s)  
 AND p.UserID = u.UserID  
 AND u.UserID = d.UserID  
 AND l.DriverID = d.DriverID  
 AND l.DriverID NOT IN  
 (SELECT d.DriverID  
 FROM Driver d, User u, Passenger p  
 WHERE p.UserID = u.UserID  
 AND u.UserID = d.UserID  
 AND p.PassengerID = %s) """  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_FILTERLIFTLIST\_SQL, (time, passenger\_id, passenger\_id ))  
 data = cursor.fetchall()  
 **if** data != []:  
 **for** item **in** data:  
 d.append({  
 **'availablelifts'**: **'yes'**,  
 **'liftID'**: item[0],  
 **'driverID'**: item[1],  
 **'startLat'**: item[2],  
 **'startLng'**: item[3],  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **else**:  
 js\_obj = json.dumps({**"availablelifts"**: **"none"**})  
 **except** Exception **as** e:  
 print(**'Error with select lift details that user hasnt requested query: '**, e)  
 **else**:  
 **return** js\_obj  
  
  
*# QUERY TO DISPLAY AVAILABLE LIFTS***def** list\_available\_lifts(passenger\_id):  
 data, data2, d = [], [], []  
 now = datetime.datetime.now()  
 time = now.strftime(**"%Y-%m-%d %H:%M:%S"**)  
 *# Query that filters available lifts to only display lifts that have available spaces, they user hasn't already  
 # requested or if the user is a driver, not to show their lifts* \_FILTERLIFTLIST\_SQL = **"""SELECT l.LiftID, l.DriverID, l.Start\_County, l.Destination\_County, l.Depart\_Date  
 FROM Lift l, Driver d, User u, Passenger p  
 WHERE l.Available\_Spaces > 0  
 AND l.Depart\_Date > %s  
 AND l.LiftID NOT IN  
 (SELECT LiftID FROM Request WHERE PassengerID = %s)  
 AND p.UserID = u.UserID  
 AND u.UserID = d.UserID  
 AND l.DriverID = d.DriverID  
 AND l.DriverID NOT IN  
 (SELECT d.DriverID  
 FROM Driver d, User u, Passenger p  
 WHERE p.UserID = u.UserID  
 AND u.UserID = d.UserID  
 AND p.PassengerID = %s) """  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_FILTERLIFTLIST\_SQL, (time, passenger\_id, passenger\_id))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error with select lift details that user hasnt requested query: '**, e)  
 **for** item **in** data:  
 d.append({  
 **'liftID'**: item[0],  
 **'driverID'**: item[1],  
 **'startCounty'**: item[2],  
 **'destinationCounty'**: item[3],  
 **'departing'**: item[4],  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **return** js\_obj  
  
  
*# for JSON obj, if json.dumps() receives an object it can't process, its sent to this function and converted to str***def** converter(obj):  
 **return** str(obj)  
  
  
**def** getLiftDetails(lift\_id, driver\_id):  
 \_DRIVER\_DETAILS\_SQL = **""" SELECT u.UserID, u.First\_Name, u.Last\_Name, r.Rating, p.PassengerID  
 FROM User u, Driver d, UserRating r, Passenger p  
 WHERE u.UserID = d.UserID  
 AND u.UserID = p.UserID  
 AND r.UserID = u.UserID  
 AND d.DriverID= %s"""** \_LIFT\_DETAILS\_SQL = **"""SELECT** *\** **FROM Lift WHERE LiftID= %s order by Created\_At"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 cursor.execute(\_LIFT\_DETAILS\_SQL, (lift\_id,))  
 data = cursor.fetchall()  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 cursor.execute(\_DRIVER\_DETAILS\_SQL, (driver\_id,))  
 user\_details = cursor.fetchall()  
 d = []  
 **for** item **in** data:  
 **for** i **in** user\_details:  
 d.append({  
 **'DriverFName'**: i[1],  
 **'DriverLName'**: i[2],  
 **'rating'**: i[3],  
 **'driversPassengerID'**: i[4],  
 **'liftID'**: item[0],  
 **'driverID'**: item[1],  
 **'startLat'**: item[2],  
 **'startLng'**: item[3],  
 **'startCounty'**: item[4],  
 **'destinationLat'**: item[5],  
 **'destinationLng'**: item[6],  
 **'destinationCounty'**: item[7],  
 **'distance'**: item[8],  
 **'departing'**: item[9],  
 **'seats'**: item[10],  
 **'created'**: item[11]  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **return** js\_obj  
  
  
**def** register(f\_name, l\_name, email\_addr, phone\_n, passw, filename):  
 js\_obj = {}  
 user\_id = 0  
 first\_name = f\_name.lower()  
 last\_name = l\_name.lower()  
 phone = str(phone\_n)  
 email\_address = email\_addr.lower()  
 hashed\_password = hashlib.sha256(bytes(passw, encoding=**'utf-8'**)).hexdigest()  
 email\_exists = check\_if\_exists(email\_address)  
 **if** email\_exists **is True**:  
 js\_obj = json.dumps({**"status"**: **"email exists"**})  
 **return** js\_obj  
 **else**:  
 \_USER\_REGISTER\_SQL = **"""INSERT INTO User  
 (First\_Name, Last\_Name, Email, Phone\_Number, Password, Pic\_Path, Date\_Created)  
 VALUES  
 (%s, %s, %s, %s, %s, %s,** *CURRENT\_DATE* **)"""** \_PASSENGER\_REGISTRATION\_SQL = **"""INSERT INTO Passenger  
 (UserID)  
 VALUES  
 (%s)"""** USER\_RATING\_REGISTER\_SQL = **"""INSERT  
 INTO UserRating  
 (UserID)  
 VALUES  
 (%s)"""** \_USER\_EXPERIENCE\_REGISTER\_SQL = **"""INSERT INTO Experience  
 (UserID)  
 VALUES  
 (%s)"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_USER\_REGISTER\_SQL, (first\_name, last\_name, email\_address, phone, hashed\_password, filename))  
 user\_id = cursor.lastrowid  
 **except** Exception **as** e:  
 print(**'Error registering user to User table:'**, e )  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_PASSENGER\_REGISTRATION\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error adding user to Passenger table'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(USER\_RATING\_REGISTER\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error registering user rating:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor4:  
 **try**:  
 cursor4.execute(\_USER\_EXPERIENCE\_REGISTER\_SQL, (user\_id, ))  
 **except** Exception **as** e:  
 print(**'Error registering user experience:'**, e)  
 **else**:  
 js\_obj = json.dumps({**"status"**: **"registered"**})  
 **return** js\_obj  
  
  
**def** process\_login(email, password):  
 \_EMAIL\_SQL = **"""SELECT UserID, Email FROM User WHERE Email= %s"""** \_PASSWORD\_SQL = **"""SELECT Password FROM User WHERE Password= %s"""** \_GET\_USER\_DETAILS\_SQL = **"""SELECT u.UserID, u.First\_Name, u.Last\_Name,p.PassengerID  
 FROM User u , Passenger p  
 WHERE u.UserID = p.UserID  
 AND u.UserID = %s"""** \_GET\_DRIVER\_ID\_SQL = **"""SELECT DriverID FROM Driver WHERE UserID = %s"""** \_UPDATE\_LOGIN\_SQL = **"""UPDATE User SET Logged\_In=1 WHERE UserID= %s"""** emaildata, passworddata, driver\_data = [], [], []  
 js\_obj = {}  
 user\_id, passenger\_id, driver\_id = 0, 0, 0  
 u\_name, u\_l\_name = **""**, **""** hashed\_password = hashlib.sha256(bytes(password, encoding=**'utf-8'**)).hexdigest()  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_EMAIL\_SQL, (email,))  
 emaildata = cursor.fetchall()  
 user\_id = emaildata[0][0]  
 **except** Exception **as** e:  
 print(**'Error looking up email:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_PASSWORD\_SQL, (hashed\_password,))  
 passworddata = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'error looking up password: '**, e)  
 **if** emaildata == [] **or** passworddata == []:  
 js\_obj = json.dumps({**"status"**: **"wrongemail/password"**})  
 **elif** email == emaildata[0][1] **and** hashed\_password == passworddata[0][0]:  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_GET\_DRIVER\_ID\_SQL, (user\_id,))  
 driver\_data = cursor2.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting driver id:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor3:  
 **try**:  
 cursor3.execute(\_GET\_USER\_DETAILS\_SQL, (user\_id,))  
 data = cursor3.fetchall()  
 **if** driver\_data != []:  
 **for** i **in** data:  
 **for** it **in** driver\_data:  
 user\_id = i[0]  
 u\_name = i[1]  
 u\_l\_name = i[2]  
 passenger\_id = i[3]  
 driver\_id = it[0]  
 js\_obj = json.dumps(  
 {**"status"**: **"match"**, **"email"**: email, **"user\_id"**: user\_id, **"first\_name"**: u\_name.capitalize(),  
 **"last\_name"**: u\_l\_name.capitalize(), **"passengerID"**: passenger\_id, **"myDriverID"**: driver\_id})  
 **else**:  
 **for** i **in** data:  
 user\_id = i[0]  
 u\_name = i[1]  
 u\_l\_name = i[2]  
 passenger\_id = i[3]  
 driver\_id = 0  
 js\_obj = json.dumps(  
 {**"status"**: **"match"**, **"email"**: email, **"user\_id"**: user\_id, **"first\_name"**: u\_name.capitalize(),  
 **"last\_name"**: u\_l\_name.capitalize(), **"passengerID"**: passenger\_id, **"myDriverID"**: driver\_id})  
 **except** Exception **as** e:  
 print(**'error with getting login information: '**, e)  
 **else**:  
 **with** DBcm.UseDatabase(config) **as** cursor4:  
 **try**:  
 cursor4.execute(\_UPDATE\_LOGIN\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'error executing update:'**, e)  
 **else**:  
 **return** js\_obj  
 **else**:  
 js\_obj = json.dumps({**"status"**: **"nomatch"**})  
 **return** js\_obj  
  
  
**def** process\_logout(user\_id):  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 \_SQL = **"""UPDATE User SET Logged\_In=0 WHERE UserID=%s """** cursor.execute(\_SQL, (user\_id,))  
 js\_obj = json.dumps({**"status"**: **"logout successful"**})  
 **return** js\_obj  
 **except** Exception **as** err:  
 print(**'sql error:'**, err)  
  
  
**def** check\_if\_exists(email: str):  
 exists = **False  
 with** DBcm.UseDatabase(config) **as** cursor:  
 \_SQL = **"""SELECT Email FROM User WHERE Email= %s"""** cursor.execute(\_SQL, (email,))  
 data = list(cursor.fetchall())  
 emaildata = [i[0] **for** i **in** data]  
 **if** emaildata == []:  
 **return** exists  
 **else**:  
 exists = **True  
 return** exists  
  
  
**def** register\_offer\_lift(user\_id, start\_lat, start\_long, start\_county, destination\_lat, destination\_long, destination\_county,  
 distance, departing, seats):  
 \_GETDRIVER\_SQL = **"""SELECT DriverID FROM Driver WHERE UserID= %s """** \_User\_Register\_SQL = **"""INSERT INTO Lift  
 (DriverID, Start\_Lat, Start\_Long, Start\_County, Destination\_Lat, Destination\_Long,  
 Destination\_County, Distance, Depart\_Date, Available\_Spaces,  
 Created\_At)  
 VALUES  
 (%s, %s, %s, %s, %s, %s, %s, %s, %s, %s,***CURRENT\_TIMESTAMP* **)"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 cursor.execute(\_GETDRIVER\_SQL, (user\_id,))  
 data = cursor.fetchall()  
 driver\_id = data[0][0]  
 cursor.execute(\_User\_Register\_SQL, (driver\_id, start\_lat, start\_long, start\_county, destination\_lat,  
 destination\_long, destination\_county, distance, departing, seats))  
 js\_obj = json.dumps({**"status"**: **"registered"**})  
 **return** js\_obj  
  
  
*# CHECK IF USER HAS A CAR REGISTERED BEFORE OFFERING A LIFT***def** is\_car\_registered(user\_id):  
 **if** check\_if\_car\_exists(user\_id):  
 js\_obj = json.dumps({**"status"**: **"car registered"**})  
 **else**:  
 js\_obj = json.dumps({**"status"**: **"car not registered"**})  
 **return** js\_obj  
  
  
**def** check\_if\_car\_exists(user\_id):  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 \_SQL = **"""SELECT** *\** **FROM CarDetails WHERE UserID= %s"""** cursor.execute(\_SQL, (user\_id,))  
 data = list(cursor.fetchall())  
 **if** data == []:  
 js\_obj = json.dumps({**"status"**: **"car not registered"**})  
 **else**:  
 js\_obj = json.dumps({**"status"**: **"car registered"**})  
 **return** js\_obj  
  
  
**def** register\_car\_and\_driver(user\_id, car\_make, car\_model, reg\_num):  
 carmake\_lower = car\_make.lower()  
 carmodel\_lower = car\_model.lower()  
 reg\_lower = reg\_num.lower()  
 car\_id, driver\_id = 0, 0  
 \_CAR\_SQL = **"""INSERT INTO CarDetails  
 (Car\_Make, Car\_Model, Car\_Reg, UserID)  
 VALUES  
 (%s, %s, %s, %s)"""** \_DRIVER\_SQL = **"""INSERT INTO Driver  
 (UserID, CarID)  
 VALUES  
 (%s, %s)"""** \_GET\_DRIVER\_ID\_SQL = **"""SELECT DriverID FROM Driver WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_CAR\_SQL, (carmake\_lower, carmodel\_lower, reg\_lower, user\_id))  
 car\_id = cursor.lastrowid  
 **except** Exception **as** e:  
 print(**'Error registering car:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_DRIVER\_SQL, (user\_id, car\_id))  
 **except** Exception **as** e:  
 print(**'Error registering user as driver:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_GET\_DRIVER\_ID\_SQL, (user\_id, ))  
 driver\_data = cursor2.fetchall()  
 driver\_id = driver\_data[0]  
 **except** Exception **as** e:  
 print(**'Error getting driver ID:'**, e)  
 **else**:  
 js\_obj = json.dumps({**"status"**: **"registered"**, **"driverID"**: driver\_id})  
 **return** js\_obj  
  
  
*# REQUESTS***def** process\_request(lift\_id, passenger\_id):  
 driver\_id, request\_id = 0, 0  
 \_GETDRIVER\_SQL = **"""SELECT DriverID FROM Lift  
 WHERE LiftID = %s"""** \_REQUEST\_SQL = **"""INSERT INTO Request  
 (DriverID, LiftID, PassengerID)  
 VALUES  
 (%s, %s, %s)"""  
 try**:  
 **with** DBcm.UseDatabase(config)**as** cursor:  
 **try**:  
 cursor.execute(\_GETDRIVER\_SQL, (lift\_id,))  
 data = cursor.fetchall()  
 driver\_id = data[0][0]  
 **except** Exception **as** e:  
 print(**'error executing get driver SELECT query:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_REQUEST\_SQL, (driver\_id, lift\_id, passenger\_id))  
 request\_id = cursor.lastrowid  
 **except** Exception **as** e:  
 print(**'error executing insert request:'**, e)  
 **except** Exception **as** e:  
 print(**'error executing process request queries:'**, e)  
 **else**:  
 **return** json.dumps({**"status"**: **"request completed"**, **"requestID"**: request\_id})  
  
  
**def** list\_user\_requests(user\_id):  
 driver\_id = 0  
 \_GETDRIVER\_SQL = **"""SELECT DriverID FROM Driver WHERE UserID = %s"""** \_GETREQUESTS\_SQL = **"""SELECT r.RequestID, r.DriverID, r.LiftID, r.PassengerID, r.Status, u.First\_Name, u.Last\_Name  
 FROM Request r, Passenger p, User u  
 WHERE r.PassengerID = p.PassengerID  
 AND u.UserID = p.UserID  
 AND r.DriverID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETDRIVER\_SQL, (user\_id, ))  
 data = cursor.fetchall()  
 driver\_id = data[0][0]  
 **except** Exception **as** e:  
 print(**'Error with get driver select query:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETREQUESTS\_SQL, (driver\_id, ))  
 request\_data = cursor.fetchall()  
 d = []  
 **for** item **in** request\_data:  
 d.append({  
 **'requestID'**: item[0],  
 **'driverID'**: item[1],  
 **'liftID'**: item[2],  
 **'passengerID'**: item[3],  
 **'status'**: item[4],  
 **'passengerName'**: item[5] + **' '** + item[6]  
 })  
 js\_obj = json.dumps(d)  
 **except** Exception **as** e:  
 print(**'Error with get requests select query:'**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** get\_request\_details(request\_id):  
 d, data, lift\_data = [], [], []  
 \_GETPASSENGERDETAILS\_SQL =**"""SELECT u.First\_Name, u.Last\_Name, u.Phone\_Number, p.PassengerID, ur.Rating  
 FROM User u, Passenger p, Request r, UserRating ur  
 WHERE u.UserID = p.UserID  
 AND p.passengerID = r.PassengerID  
 AND ur.UserID = p.UserID  
 AND r.requestID = %s"""** \_GETLIFTDETAILS\_SQL = **"""SELECT l.Depart\_Date, l.Start\_Lat, l.Start\_Long, l.Destination\_Lat, l.Destination\_Long  
 FROM Lift l, Request r  
 WHERE r.LiftID = l.LiftID  
 AND r.RequestID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETPASSENGERDETAILS\_SQL, (request\_id,))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error with get passenger details query: '**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETLIFTDETAILS\_SQL, (request\_id,))  
 lift\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error with get lift details query: '**, e)  
 **else**:  
 **for** item **in** data:  
 **for** i **in** lift\_data:  
 d.append({  
 **'passengerID'**: item[3],  
 **'name'**: item[0] + **' '** + item[1],  
 **'rating'**: item[4],  
 **'phoneNum'**: item[2],  
 **'departing'**: i[0],  
 **'startLat'**: i[1],  
 **'startLng'**: i[2],  
 **'destLat'**: i[3],  
 **'destLng'**: i[4]  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **return** js\_obj  
  
  
**def** get\_my\_requests(user\_id):  
 passenger\_id = 0  
 \_GETPASSENGER\_SQL = **"""SELECT PassengerID FROM Passenger WHERE UserID = %s"""** \_GETREQUESTS\_SQL = **"""SELECT r.RequestID, r.DriverID, r.LiftID, r.PassengerID, r.Status, u.First\_Name, u.Last\_Name  
 FROM Request r, Driver d, User u WHERE r.DriverID = d.DriverID  
 AND u.UserID = d.UserID  
 AND r.PassengerID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETPASSENGER\_SQL, (user\_id,))  
 data = cursor.fetchall()  
 passenger\_id = data[0][0]  
 **except** Exception **as** e:  
 print(**'Error with get passenger select query:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETREQUESTS\_SQL, (passenger\_id, ))  
 request\_data = cursor.fetchall()  
 d = []  
 **for** item **in** request\_data:  
 d.append({  
 **'requestID'**: item[0],  
 **'driverID'**: item[1],  
 **'liftID'**: item[2],  
 **'passengerID'**: item[3],  
 **'status'**: item[4],  
 **'driverFName'**: item[5],  
 **'driverLName'**: item[6]  
 })  
 js\_obj = json.dumps(d)  
 **except** Exception **as** e:  
 print(**'Error with get requests select query:'**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** accept\_request(request\_id):  
 driver\_id, passenger\_id, lift\_id = 0, 0, 0  
 \_GETDRIVERPASSENGER\_SQL = **"""SELECT DriverID, PassengerID, LiftID FROM Request WHERE RequestID = %s"""** \_UPDATELIFT\_SQL = **"""UPDATE Lift SET Available\_Spaces = Available\_Spaces - 1 WHERE LiftID = %s"""** \_ADDTOCARGROUP\_SQL = **"""INSERT INTO CarGroup (LiftID, DriverID, PassengerID) VALUES ( %s, %s, %s)"""** \_UPDATEREQUESTSTATUS\_SQL = **"""UPDATE Request SET Status = 'Accepted' WHERE RequestID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETDRIVERPASSENGER\_SQL, (request\_id,))  
 data = cursor.fetchall()  
 driver\_id = data[0][0]  
 passenger\_id = data[0][1]  
 lift\_id = data[0][2]  
 **except** Exception **as** e:  
 print(**'Error with getting passengerID and liftID: '**, e)  
 **try**:  
 cursor.execute(\_UPDATELIFT\_SQL, (lift\_id,))  
 **except** Exception **as** e:  
 print(**'Error updating lift with accepted passenger:'**, e)  
 **try**:  
 cursor.execute(\_ADDTOCARGROUP\_SQL, (lift\_id, driver\_id, passenger\_id))  
 **except** Exception **as** e:  
 print(**'Error inserting into car group table:'**, e)  
 **try**:  
 cursor.execute(\_UPDATEREQUESTSTATUS\_SQL, (request\_id, ))  
 **except** Exception **as** e:  
 print(**'Error updating request status:'**, e)  
 js\_obj = json.dumps({**'status'**: **'complete'**})  
 **return** js\_obj  
  
  
**def** deny\_request(request\_id):  
 \_UPDATEREQUESTSTATUS\_SQL = **"""UPDATE Request SET Status = 'Denied' WHERE RequestID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATEREQUESTSTATUS\_SQL, (request\_id,))  
 js\_obj = json.dumps({**"status"**: **"complete"**})  
 **except** Exception **as** e:  
 print(**'Error with updating request status: '**, e)  
 **else**:  
 **return** js\_obj  
  
  
*# MY GROUPS***def** get\_my\_groups(user\_id):  
 \_GROUPDETAIL\_SQL = **"""SELECT c.GroupID, u.First\_Name, u.Last\_Name, l.LiftID, l.Depart\_Date  
 FROM CarGroup c, Driver d, User u, Lift l, Passenger p  
 WHERE c.DriverID = d.DriverID  
 AND u.UserID = d.UserID  
 AND c.LiftID = l.LiftID  
 AND c.PassengerID = p.PassengerID  
 AND p.UserID = %s  
 AND l.LiftID NOT IN  
 (SELECT cl.LiftID FROM CompletedLifts cl, Lift l WHERE cl.LiftID = l.LiftID )"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GROUPDETAIL\_SQL, (user\_id,))  
 data = cursor.fetchall()  
 d = []  
 **for** item **in** data:  
 d.append({  
 **'groupID'**: item[0],  
 **'driverName'**: item[1] + **' '** + item[2],  
 **'liftID'**: item[3],  
 **'departing'**: item[4],  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **except** Exception **as** e:  
 print(**'Error getting group details:'**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** get\_group\_details(lift\_id, group\_id):  
 data, driver\_data = [], []  
 \_GETPASSENGERS\_SQL = **"""SELECT u.First\_Name, u.Last\_Name, u.Phone\_Number, r.Rating, p.PassengerID  
 FROM User u, Passenger p, CarGroup c, UserRating r  
 WHERE c.PassengerID = p.PassengerID  
 AND p.UserID = u.UserID  
 AND u.UserID = r.UserID  
 AND c.LiftID = %s  
 """** \_GETGROUPDETAILS\_SQL = **"""SELECT l.Start\_County, l.Destination\_County, l.Depart\_Date,l.Start\_Lat, l.Start\_Long,  
 l. Destination\_Lat, l.Destination\_Long  
 FROM Lift l, CarGroup c  
 WHERE c.LiftID = l.LiftID  
 AND c.GroupID = %s"""** \_GETDRIVERDETAILS\_SQL = **"""SELECT u.First\_Name, u.Last\_Name, u.Phone\_Number, r.Rating, c.Car\_Reg, d.DriverID, p.PassengerID  
 FROM User u, CarDetails c, Driver d, CarGroup g, UserRating r, Passenger p  
 WHERE u.UserID = c.UserID  
 AND u.UserID = p.UserID  
 AND u.UserID = d.UserID  
 AND d.DriverID = g.DriverID  
 AND r.UserID = u.UserID  
 AND g.GroupID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_GETGROUPDETAILS\_SQL, (group\_id, ))  
 data = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting group details: '**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_GETDRIVERDETAILS\_SQL, (group\_id,))  
 driver\_data = cursor2.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting driver details: '**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor3:  
 **try**:  
 cursor3.execute(\_GETPASSENGERS\_SQL, (lift\_id,))  
 passenger\_data = cursor3.fetchall()  
 d = []  
 **for** item **in** data:  
 **for** i **in** driver\_data:  
 **for** it **in** passenger\_data:  
 d.append({  
 **'groupID'**: group\_id,  
 **'liftID'**: lift\_id,  
 **'driverName'**: i[0] + **' '** + i[1],  
 **'driverPhone'**: i[2],  
 **'driverRating'**: i[3],  
 **'carReg'**: i[4],  
 **'driverID'**: i[5],  
 **'driverPassengerID'**: i[6],  
 **'startCounty'**: item[0],  
 **'destCounty'**: item[1],  
 **'departing'**: item[2],  
 **'startLat'**: item[3],  
 **'startLng'**: item[4],  
 **'destLat'**: item[5],  
 **'destLng'**: item[6],  
 **'passengerName'**: it[0] + **' '** + it[1],  
 **'passengerPhone'**: it[2],  
 **'passengerRating'**: it[3],  
 **'passengerID'**: it[4]  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **except** Exception **as** e:  
 print(**'Error getting passenger details: '**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** get\_my\_completed\_groups(user\_id):  
 d = []  
 \_MY\_COMPLETED\_GROUPS\_LIST\_SQL = **"""SELECT u.First\_Name, u.Last\_Name, l.LiftID, l.Depart\_Date  
 FROM CarGroup c, Driver d, User u, Lift l, Passenger p, CompletedLifts cl  
 WHERE c.DriverID = d.DriverID  
 AND u.UserID = d.UserID  
 AND c.LiftID = l.LiftID  
 AND c.PassengerID = p.PassengerID  
 AND cl.PassengerID = p.PassengerID  
 AND cl.LiftID = c.LiftID  
 AND p.UserID = %s  
 """  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_MY\_COMPLETED\_GROUPS\_LIST\_SQL, (user\_id,))  
 completed\_group\_data = cursor.fetchall()  
 **for** item **in** completed\_group\_data:  
 d.append({  
 **'driverName'**: item[0] + **' '** + item[1],  
 **'liftID'**: item[2],  
 **'departed'**: item[3]  
 })  
 **except** Exception **as** e:  
 print(**'Error getting completed groups:'**, e)  
 **else**:  
  
 **return** json.dumps(d, default=converter)  
  
*# MY LIFTS***def** get\_my\_completed\_lifts(user\_id):  
 d, lift\_data = [], []  
 \_MY\_COMPLETED\_LIFT\_LIST\_SQL = **"""SELECT l.LiftID, l.Start\_County, l.Destination\_County, l.Depart\_Date  
 FROM Lift l, Driver d, CompletedLifts c  
 WHERE c.DriverID = d.DriverID  
 AND c.LiftID = l.LiftID  
 AND d.UserID = %s  
 """  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_MY\_COMPLETED\_LIFT\_LIST\_SQL, (user\_id, ))  
 lift\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting completed lifts:'**, e)  
 **else**:  
 **for** item **in** lift\_data:  
 d.append({  
 **'liftID'**: item[0],  
 **'route'**: item[1] + **' to '** + item[2],  
 **'departing'**: item[3],  
 })  
 **return** json.dumps(d, default=converter)  
  
  
**def** get\_my\_lifts(user\_id):  
 now = datetime.datetime.now()  
 day = now.strftime(**"%Y-%m-%d"**)  
 \_LIFTDETAIL\_SQL = **"""SELECT l.LiftID, l.Start\_County, l.Destination\_County, l.Depart\_Date  
 FROM Lift l, Driver d  
 WHERE l.DriverID = d.DriverID  
 AND l.Depart\_Date > %s  
 AND d.UserID = %s  
 AND l.LiftID NOT IN  
 (SELECT LiftID FROM CompletedLifts cl WHERE cl.LiftID = l.LiftID)"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_LIFTDETAIL\_SQL, (day, user\_id,))  
 data = cursor.fetchall()  
 d = []  
 **for** item **in** data:  
 d.append({  
 **'userID'**: user\_id,  
 **'liftID'**: item[0],  
 **'route'**: item[1] + **' to '** + item[2],  
 **'departing'**: item[3],  
 })  
 js\_obj = json.dumps(d, default=converter)  
 **except** Exception **as** e:  
 print(**'Error getting lift list details:'**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** get\_my\_lift\_details(lift\_id):  
 d, passenger\_data, lift\_data = [], [], []  
 \_GETPASSENGERS\_SQL = **"""SELECT u.First\_Name, u.Last\_Name, u.Phone\_Number, r.Rating, p.PassengerID  
 FROM User u, Passenger p, CarGroup c, UserRating r  
 WHERE c.PassengerID = p.PassengerID  
 AND r.UserID = p.UserID  
 AND p.UserID = u.UserID  
 AND c.LiftID = %s"""** \_GETMYLIFTDETAILS\_SQL = **"""SELECT l.***\****, cd.Car\_Reg, u.First\_Name, u.Last\_Name, r.Rating, p.PassengerID  
 FROM Lift l, CarDetails cd, Driver d, User u, UserRating r, Passenger p  
 WHERE l.LiftID = %s  
 AND l.DriverID = d.DriverID  
 AND d.UserID = u.UserID  
 AND r.UserID = u.UserID  
 AND d.UserID = cd.UserID  
 AND u.UserID = p.UserID"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETPASSENGERS\_SQL, (lift\_id,))  
 passenger\_data = cursor.fetchall()  
 d = []  
 **except** Exception **as** e:  
 print(**'Error getting passenger details query: '**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GETMYLIFTDETAILS\_SQL, (lift\_id, ))  
 lift\_data = cursor.fetchall()  
 num\_of\_passengers = len(passenger\_data)  
 **if** passenger\_data != []:  
 **for** item **in** lift\_data:  
 **for** i **in** passenger\_data:  
 d.append({  
 **'liftID'**: lift\_id,  
 **'startLat'**: item[2],  
 **'startLng'**: item[3],  
 **'startCounty'**: item[4],  
 **'destLat'**: item[5],  
 **'destLng'**: item[6],  
 **'destCounty'**: item[7],  
 **'distance'**: item[8],  
 **'departing'**: item[9],  
 **'spaces'**: item[10],  
 **'created'**: item[11],  
 **'car reg'**: item[12],  
 **'driverName'**: item[13] + **' '** + item[14],  
 **'driverRating'**: item[15],  
 **'driverPassengerID'**: item[16],  
 **'passengerName'**: i[0] + **' '** + i[1],  
 **'passengerPhone'**: i[2],  
 **'passengerRating'**: i[3],  
 **'passengerID'**: i[4],  
 **'numOfPassengers'**: num\_of\_passengers  
 })  
 **else**:  
 **for** item **in** lift\_data:  
 d.append({  
 **'liftID'**: lift\_id,  
 **'startLat'**: item[2],  
 **'startLng'**: item[3],  
 **'startCounty'**: item[4],  
 **'destLat'**: item[5],  
 **'destLng'**: item[6],  
 **'destCounty'**: item[7],  
 **'distance'**: item[8],  
 **'departing'**: item[9],  
 **'spaces'**: item[10],  
 **'created'**: item[11],  
 **'car reg'**: item[12],  
 **'driverName'**: item[13] + **' '** + item[14],  
 **'driverRating'**: item[15],  
 **'driverPassengerID'**: item[16],  
 **'passengerName'**: **'None'**,  
 **'passengerPhone'**: **'None'** })  
 js\_obj = json.dumps(d, default=converter)  
 **except** Exception **as** e:  
 print(**'Error getting my lift details:'**, e)  
 **else**:  
 **return** js\_obj  
  
  
**def** check\_can\_delete(lift\_id):  
 group\_data = []  
 \_CHECK\_IF\_ACTIVE\_SQL = **"""SELECT** *\** **FROM CarGroup WHERE LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_CHECK\_IF\_ACTIVE\_SQL, (lift\_id,))  
 group\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error checking if lift is active:'**, e)  
 **else**:  
 **if** group\_data == []:  
 **return** json.dumps({**'active'**: **'false'**})  
 **else**:  
 **return** json.dumps({**'active'**: **'true'**})  
  
  
**def** delete\_lift(lift\_id):  
 \_DELETE\_LIFT\_SQL= **"""DELETE FROM Lift WHERE LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_LIFT\_SQL, (lift\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting lift:'**, e)  
 **else**:  
 **return** json.dumps({**'status'**: **'deleted'**})  
  
  
**def** complete\_lift(lift\_id):  
 d, passenger\_ids, driver\_id\_data, distance\_data = [], [], [], []  
 driver\_id, driver\_id\_for\_completed\_lift = 0, 0  
 distance = 0.0  
 *# query to get drivers id to insert into completed lifts* \_GET\_DRIVER\_ID\_SQL = **"""SELECT DISTINCT c.DriverID  
 FROM Driver d, CarGroup c  
 WHERE c.DriverID = d.DriverID  
 AND c.LiftID = %s  
 """** \_GET\_PASSENGER\_IDS\_SQL =**"""SELECT DISTINCT c.PassengerID  
 FROM Passenger p, CarGroup c  
 WHERE c.PassengerID = p.PassengerID  
 AND c.LiftID = %s"""** \_GET\_DISTANCE\_SQL = **"""SELECT Distance FROM Lift WHERE LiftID = %s"""** \_INSERT\_COMPLETED\_LIFT\_DRIVER\_SQL = **"""INSERT INTO CompletedLifts (LiftID, DriverID, Distance\_Kilometers)  
 VALUES (%s, %s, %s)"""** \_INSERT\_COMPLETED\_LIFT\_PASSENGERS\_SQL = **"""INSERT INTO CompletedLifts (LiftID, PassengerID, Distance\_Kilometers)  
 VALUES (%s, %s, %s)"""  
 with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_GET\_DRIVER\_ID\_SQL, (lift\_id, ))  
 driver\_id\_data = cursor1.fetchall()  
 driver\_id\_for\_completed\_lift = driver\_id\_data[0][0]  
 **except** Exception **as** e:  
 print(**'Error getting driver user ID for insert:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_GET\_DISTANCE\_SQL, (lift\_id, ))  
 distance\_data = cursor2.fetchall()  
 distance = distance\_data[0][0]  
 **except** Exception **as** e:  
 print(**'Error getting distance information:'**, e)  
 **if** driver\_id\_data:  
 **with** DBcm.UseDatabase(config) **as** cursor3:  
 **try**:  
 cursor3.execute(\_INSERT\_COMPLETED\_LIFT\_DRIVER\_SQL, (lift\_id, driver\_id\_for\_completed\_lift, distance))  
 **except** Exception **as** e:  
 print(**'Error inserting driver to completed Lifts:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor4:  
 **try**:  
 cursor4.execute(\_GET\_PASSENGER\_IDS\_SQL, (lift\_id, ))  
 passenger\_ids\_data = cursor4.fetchall()  
 **for** item **in** passenger\_ids\_data:  
 passenger\_ids.append(item[0])  
 **except** Exception **as** e:  
 print(**'Error getting passenger IDs:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor5:  
 **try**:  
 **for** item **in** passenger\_ids:  
 cursor5.execute(\_INSERT\_COMPLETED\_LIFT\_PASSENGERS\_SQL, (lift\_id, item, distance))  
 **except** Exception **as** e:  
 print(**'Error inserting passengers to completed Lifts:'**, e)  
 **else**:  
 **return** json.dumps({**'completed lift registering'**: **'complete'**})  
  
  
**def** pop\_ratings\_table(lift\_id, user\_id):  
 group\_data, driverdata, d = [], [], []  
 \_GET\_CAR\_GROUP\_SQL = **"""SELECT DISTINCT c.PassengerID, u.First\_Name, u.Last\_Name  
 FROM User u, Passenger p, CarGroup c, Lift l  
 WHERE c.PassengerID = p.PassengerID  
 AND p.UserID = u.UserID  
 AND l.LiftID = c.LiftID  
 AND p.UserID NOT IN  
 (SELECT u.UserID  
 FROM User u, CarGroup c, Passenger p  
 WHERE c.LiftID = %s  
 AND c.PassengerID = p.PassengerID  
 AND p.UserID = u.UserID  
 AND u.UserID = %s)  
 AND l.LiftID = %s  
 """** *# query to filter list, if the user is the driver* \_GET\_DRIVER\_SQL =**"""SELECT DISTINCT c.DriverID, u.First\_Name, u.Last\_Name  
 FROM Driver d, CarGroup c, Lift l, User u  
 WHERE c.DriverID = d.DriverID  
 AND d.UserID = u.UserID  
 AND d.UserID NOT IN  
 (SELECT u.UserID  
 FROM User u, CarGroup c, Driver d  
 WHERE c.LiftID = %s  
 AND c.DriverID = d.DriverID  
 AND d.UserID = u.UserID  
 AND u.UserID = %s)  
 AND c.LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_CAR\_GROUP\_SQL, (lift\_id, user\_id, lift\_id))  
 group\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting car group details:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_GET\_DRIVER\_SQL, (lift\_id, user\_id, lift\_id))  
 driverdata = cursor2.fetchall()  
 **if** driverdata != []:  
 **if** group\_data != []:  
 **for** item **in** group\_data:  
 **for** i **in** driverdata:  
 d.append({  
 **'passengerID'**: item[0],  
 **'passengerName'**: item[1] + **' '** + item[2],  
 **'driverID'**: i[0],  
 **'driverName'**: i[1] + **' '** + i[2],  
 })  
 **else**:  
 **for** i **in** driverdata:  
 d.append({  
 **'passengerID'**: **'None'**,  
 **'passengerName'**: **'None'**,  
 **'driverID'**: i[0],  
 **'driverName'**: i[1] + **' '** + i[2],  
 })  
 **else**:  
 **for** item **in** group\_data:  
 d.append({  
 **'passengerID'**: item[0],  
 **'passengerName'**: item[1] + **' '** + item[2],  
 **'driverID'**: **'None'**,  
 **'driverName'**: **'None'**,  
 })  
 **return** json.dumps(d, default=converter)  
 **except** Exception **as** e:  
 print(**'Error getting car group driver:'**, e)  
  
  
  
**def** rate\_group(driver\_id, driver\_rating, passenger\_data):  
 *# driverStar, passengerStar = '', ''* star = **''** driver\_star\_count, passenger\_star\_count = 0, 0  
 driver\_user\_id, passenger\_user\_id, passenger\_rating = 0, 0, 0  
 driver\_stars = {}  
 **if** driver\_rating != 0:  
 star = str(driver\_rating)  
 passenger\_star = str(3)  
 \_GET\_DRIVER\_USERID\_SQL = **"""SELECT UserID FROM Driver WHERE DriverID = %s"""** \_UPDATE\_DRIVER\_STAR\_COUNT\_SQL = **"""UPDATE UserRating  
 SET """** + star + **"""\_Star = """** + star + **"""\_Star + 1,  
 Number\_of\_Ratings = Number\_of\_Ratings +1  
 WHERE UserID = %s"""** \_GET\_PASSENGERS\_USERID\_SQL = **"""SELECT UserID FROM Passenger WHERE PassengerID = %s"""** \_GET\_STAR\_COUNT\_SQL = **"""SELECT 1\_Star, 2\_Star, 3\_Star, 4\_Star, 5\_Star FROM UserRating WHERE UserID = %s"""** \_UPDATE\_RATING\_SQL = **"""UPDATE UserRating  
 SET rating = %s  
 WHERE UserID = %s"""  
 try**:  
 **if** driver\_id != 0:  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_DRIVER\_USERID\_SQL, (driver\_id, ))  
 driver\_data = cursor.fetchall()  
 driver\_user\_id = driver\_data[0][0]  
 **except** Exception **as** e:  
 print(**'Error getting drivers UserID:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_DRIVER\_STAR\_COUNT\_SQL, (driver\_user\_id, ))  
 **except** Exception **as** e:  
 print(**'Error updating driver star count:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_STAR\_COUNT\_SQL, (driver\_user\_id,))  
 driver\_star\_count\_data = cursor.fetchall()  
 **for** item **in** driver\_star\_count\_data:  
 driver\_stars = {  
 **'1'**: item[0],  
 **'2'**: item[1],  
 **'3'**: item[2],  
 **'4'**: item[3],  
 **'5'**: item[4]  
 }  
 driver\_rating = data\_utils.calculate\_rating(driver\_stars)  
 **except** Exception **as** e:  
 print(**'Error getting driver star count:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_RATING\_SQL, (driver\_rating, driver\_user\_id))  
 **except** Exception **as** e:  
 print(**'Error updating driver rating:'**, e)  
 **for** item **in** passenger\_data:  
 star = str(item[1])  
 \_UPDATE\_PASSENGER\_STAR\_COUNT\_SQL = **"""UPDATE UserRating  
 SET """** + star + **"""\_Star = """** + star + **"""\_Star + 1,  
 Number\_of\_Ratings = Number\_of\_Ratings +1  
 WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_PASSENGERS\_USERID\_SQL, (item[0],))  
 passenger\_data = cursor.fetchall()  
 passenger\_user\_id = passenger\_data[0][0]  
 **except** Exception **as** e:  
 print(**'Error getting passengers UserID:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_PASSENGER\_STAR\_COUNT\_SQL, (passenger\_user\_id, ))  
 **except** Exception **as** e:  
 print(**'Error updating passenger star count:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_STAR\_COUNT\_SQL, (passenger\_user\_id,))  
 passenger\_star\_count\_data = cursor.fetchall()  
 **for** i **in** passenger\_star\_count\_data:  
 passenger\_stars = {  
 **'1'**: i[0],  
 **'2'**: i[1],  
 **'3'**: i[2],  
 **'4'**: i[3],  
 **'5'**: i[4]  
 }  
 passenger\_rating = data\_utils.calculate\_rating(passenger\_stars)  
 **except** Exception **as** e:  
 print(**'Error getting passenger star count:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_RATING\_SQL, (passenger\_rating, passenger\_user\_id))  
 **except** Exception **as** e:  
 print(**'Error updating passenger rating:'**, e)  
 **except** Exception **as** e:  
 print(**'Error with rating function:'**, e)  
 **else**:  
 **return** json.dumps({**'ratings'**: **'complete'**})  
  
  
  
**def** check\_if\_user\_is\_driver(lift\_id, driver\_id):  
 driver\_data, distance\_data = [], []  
 *# see if user was the driver* \_SEE\_IF\_USER\_IS\_DRIVER\_SQL = **"""SELECT DriverID FROM CarGroup  
 WHERE LiftID = %s  
 AND DriverID = %s"""** \_GET\_DISTANCE\_SQL = **"""SELECT Distance FROM Lift WHERE LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_DISTANCE\_SQL, (lift\_id, ))  
 distance\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error checking if user is the driver:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_SEE\_IF\_USER\_IS\_DRIVER\_SQL, (lift\_id, driver\_id))  
 driver\_data = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'Error checking if user is the driver:'**, e)  
 **else**:  
 **if** driver\_data != []:  
 **for** item **in** distance\_data:  
 **return** json.dumps({**'is driver'**: **'true'**, **'distance'**: str(item[0])})  
 **else**:  
 **for** i **in** distance\_data:  
 **return** json.dumps({**'is driver'**: **'false'**, **'distance'**: str(i[0])})  
  
  
**def** get\_user\_experience(user\_id, new\_exp, distance, num\_of\_passengers):  
 experience\_data, d = [], []  
 \_UPDATE\_EXPERIENCE\_SQL = **"""UPDATE Experience  
 SET Experience = Experience + %s, Overall\_Distance\_kilo = Overall\_Distance\_kilo + %s, Overall\_Passengers = Overall\_Passengers + %s  
 WHERE UserID = %s"""** \_GET\_NEW\_EXPERIENCE\_SQL = **"""SELECT Overall\_Distance\_kilo, Overall\_Passengers, Experience  
 FROM Experience  
 WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_EXPERIENCE\_SQL, (new\_exp, distance, num\_of\_passengers, user\_id))  
 **except** Exception **as** e:  
 print(**'Error updating users experience:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_GET\_NEW\_EXPERIENCE\_SQL, (user\_id, ))  
 experience\_data = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting users experience: '**, e)  
 **else**:  
 **for** item **in** experience\_data:  
 d.append({  
 **'overall distance'**: item[0],  
 **'overallpassengers'**: item[1],  
 **'experience'**: item[2]  
 })  
 **return** json.dumps(d, default=converter)  
  
  
*# ACTIVE LIFT***def** get\_driver\_id(lift\_id):  
 \_GET\_DRIVER\_ID\_SQL =**"""SELECT DriverID FROM Lift WHERE LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_DRIVER\_ID\_SQL, (lift\_id,))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting driver ID for lift:'**, e)  
 **else**:  
 **return** json.dumps({**'driverID'**: data[0][0]})  
  
  
**def** check\_if\_lift\_finished(lift\_id):  
 \_CHECK\_IF\_LIFTID\_IN\_COMPLETED\_SQL = **"""SELECT** *\** **FROM CompletedLifts WHERE LiftID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_CHECK\_IF\_LIFTID\_IN\_COMPLETED\_SQL, (lift\_id,))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error checking if liftID in CompletedLifts table:'**, e)  
 **else**:  
 **if** data != []:  
 **return** json.dumps({**"status"**: **"lift finished"**})  
 **else**:  
 **return** json.dumps({**"status"**: **"not finished"**})  
  
  
**def** get\_profile(user\_id):  
 car\_data, user\_data = [], []  
 \_GET\_USER\_DETAILS\_SQL = **"""SELECT u.First\_Name, u.Last\_Name, u.Email, u.Phone\_Number, u.Date\_Created, r.Rating,  
 r.Number\_of\_Ratings, e.Experience, e.Overall\_Distance\_kilo, e.Overall\_Passengers  
 FROM User u, UserRating r, Experience e  
 WHERE u.UserID = r.UserID  
 AND u.UserID = e.UserID  
 AND u.UserID = %s"""** \_GET\_CAR\_DETAILS\_SQL = **"""SELECT Car\_Make, Car\_Model, Car\_Reg FROM CarDetails WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_CAR\_DETAILS\_SQL, (user\_id, ))  
 car\_data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting users car information:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_GET\_USER\_DETAILS\_SQL, (user\_id, ))  
 user\_data = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting user profile information:'**, e)  
 **else**:  
 **if** car\_data != []:  
 **for** item **in** user\_data:  
 **for** i **in** car\_data:  
 **return** json.dumps({  
 **'name'**: item[0] + **' '** + item[1],  
 **'email'**: item[2],  
 **'phone'**: item[3],  
 **'created'**: item[4],  
 **'rating'**: item[5],  
 **'numOfRatings'**: item[6],  
 **'experience'**: item[7],  
 **'overallDistance'**: item[8],  
 **'overallPassengers'**: item[9],  
 **'carMake'**: i[0],  
 **'carModel'**: i[1],  
 **'carReg'**: i[2]  
 }, default=converter)  
 **else**:  
 **for** item **in** user\_data:  
 **return** json.dumps({  
 **'name'**: item[0] + **' '** + item[1],  
 **'email'**: item[2],  
 **'phone'**: item[3],  
 **'created'**: item[4],  
 **'rating'**: item[5],  
 **'numOfRatings'**: item[6],  
 **'experience'**: item[7],  
 **'overallDistance'**: item[8],  
 **'overallPassengers'**: item[9],  
 **'carMake'**: **'None'** }, default=converter)  
  
  
**def** get\_picture(user\_id):  
 \_GET\_PICTURE\_PATH\_SQL = **"""SELECT Pic\_Path FROM User WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_PICTURE\_PATH\_SQL, (user\_id,))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting users car information:'**, e)  
 **else**:  
 **return** data[0][0]  
  
  
**def** get\_user\_id(passenger\_id):  
 \_GET\_USER\_ID\_SQL = **"""SELECT UserID from Passenger WHERE PassengerID =%s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_USER\_ID\_SQL, (passenger\_id,))  
 data = cursor.fetchall()  
 **except** Exception **as** e:  
 print(**'Error getting user ID:'**, e)  
 **else**:  
 **return** json.dumps({**'userID'**: data[0][0]})  
  
  
**def** update\_details(user\_id, phone, car\_make, car\_model, car\_reg):  
 car\_data = []  
 \_UPDATE\_PHONE\_SQL = **"""UPDATE User SET Phone\_Number = %s WHERE UserID = %s"""** \_CHECK\_IF\_CAR\_REGISTERED\_SQL =**"""SELECT** *\** **FROM CarDetails WHERE UserID = %s"""** \_UPDATE\_CAR\_SQL = **"""UPDATE CarDetails SET Car\_Make = %s, Car\_Model = %s, Car\_Reg = %s WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_UPDATE\_PHONE\_SQL, (phone, user\_id))  
 **except** Exception **as** e:  
 print(**'Error updating user information:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor1:  
 **try**:  
 cursor1.execute(\_CHECK\_IF\_CAR\_REGISTERED\_SQL, (user\_id, ))  
 car\_data = cursor1.fetchall()  
 **except** Exception **as** e:  
 print(**'Error check if car exists:'**, e)  
 **if** car\_make != **"" and** car\_data != []:  
 **with** DBcm.UseDatabase(config) **as** cursor2:  
 **try**:  
 cursor2.execute(\_UPDATE\_CAR\_SQL, (car\_make, car\_model, car\_reg, user\_id))  
 **except** Exception **as** e:  
 print(**'Error updating car details:'**, e)  
 **return** json.dumps({**'update'**: **'complete'**})  
  
  
**def** delete\_user\_account(user\_id):  
 driver\_data = []  
 driver\_id = 0  
 \_CHECK\_IF\_DRIVER\_SQL = **"""SELECT DriverID FROM Driver WHERE UserID = %s"""** \_DELETE\_DRIVER\_LIFT\_SQL = **"""DELETE FROM Lift WHERE DriverID = %s"""** \_DELETE\_DRIVER\_CAR\_SQL = **"""DELETE FROM CarDetails WHERE UserID = %s"""** \_DELETE\_DRIVER\_SQL = **"""DELETE FROM Driver WHERE UserID = %s"""** \_DELETE\_USERRATING\_SQL = **"""DELETE FROM UserRating WHERE UserID = %s"""** \_DELETE\_Passenger\_SQL = **"""DELETE FROM Passenger WHERE UserID = %s"""** \_DELETE\_EXPERIENCE\_SQL = **"""DELETE FROM Experience WHERE UserID = %s"""** \_DELETE\_USER\_SQL = **"""DELETE FROM User WHERE UserID = %s"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_CHECK\_IF\_DRIVER\_SQL, (user\_id, ))  
 driver\_data = cursor.fetchall()  
 driver\_id = driver\_data[0][0]  
 **except** Exception **as** e:  
 print(**'Error checking if a driver:'**, e)  
 **if** driver\_data != []:  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_DRIVER\_LIFT\_SQL, (driver\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user and driver data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_DRIVER\_CAR\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user and driver data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_DRIVER\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user and driver data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_USERRATING\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user and driver data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_Passenger\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user passenger data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_EXPERIENCE\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user experience data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_USER\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user data:'**, e)  
 **else**:  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_USERRATING\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user rating data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_Passenger\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user passenger data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_EXPERIENCE\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user experience data:'**, e)  
 **with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_DELETE\_USER\_SQL, (user\_id,))  
 **except** Exception **as** e:  
 print(**'Error deleting user data:'**, e)  
 **return** json.dumps({**'status'**: **'complete'**})  
  
  
**def** get\_leaderboard():  
 d = []  
 \_GET\_USERS\_SQL\_ = **"""SELECT u.First\_Name, u.Last\_Name, p.PassengerID, e.Experience  
 FROM User u, Passenger p, Experience e  
 WHERE u.UserID = p.UserID  
 AND u.UserID = e.UserID  
 ORDER BY e.Experience DESC"""  
 with** DBcm.UseDatabase(config) **as** cursor:  
 **try**:  
 cursor.execute(\_GET\_USERS\_SQL\_)  
 data = cursor.fetchall()  
 **for** item **in** data:  
 d.append({  
 **'name'**: item[0] + **' '** + item[1],  
 **'passengerID'**: item[2],  
 **'experience'**: str(item[3])  
 })  
 **except** Exception **as** e:  
 print(**'Error check if car exists:'**, e)  
 **else**:  
 **return** json.dumps(d)

## data\_utils.py

**from** werkzeug.utils **import** secure\_filename  
**import** os  
  
  
**def** delete\_item(email):  
 **try**:  
 basedir = os.path.abspath(os.path.dirname(\_\_file\_\_))  
 filename = secure\_filename(email + **'.jpg'**)  
 os.remove(os.path.join(basedir, **'Uploads/'**, filename))  
 **except** Exception **as** e:  
 print(**'Error deleting image from server:'**, e)  
 **return 'done'  
  
  
def** calculate\_rating(star\_count\_data):  
 *# weighted average* **return** (5\*star\_count\_data[**'5'**] + 4 \* star\_count\_data[**'4'**] + 3 \* star\_count\_data[**'3'**] + 2 \* star\_count\_data[**'2'**] +  
 1 \* star\_count\_data[**'1'**]) / (star\_count\_data[**'5'**] + star\_count\_data[**'4'**] + star\_count\_data[**'3'**] +  
 star\_count\_data[**'2'**]+ star\_count\_data[**'1'**])