<script>

//--------Login Page----------------------------------

function LoginUser()

    {

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

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

    google.script.run.withSuccessHandler(function(output)

    {

      if(output == 'ADMIN\_TRUE')

      {

        document.getElementById("loginDisplay").style.display = "none";

        document.getElementById("adminDisplay").style.display = "block";

        document.getElementById("clerkDisplay").style.display = "none";

        document.getElementById("paymentDisplay").style.display = "block";

        document.getElementById("errorMessage").style.display = "none";

      }

      if(output == 'CLERK\_TRUE')

      {

        document.getElementById("loginDisplay").style.display = "none";

        document.getElementById("adminDisplay").style.display = "none";

        document.getElementById("clerkDisplay").style.display = "block";

        document.getElementById("paymentDisplay").style.display = "block";

       document.getElementById("errorMessage").style.display = "none";

      }

      else if(output == 'FALSE')

      {

        document.getElementById("errorMessage").innerHTML = "Failed to Login";

      }

    }).checkLogin(loginUsername, loginPassword);

    }

//-------Log Out----------------------

    function LogOut(){

        document.getElementById("loginDisplay").style.display = "block";

        document.getElementById("adminDisplay").style.display = "none";

        document.getElementById("clerkDisplay").style.display = "none";

        document.getElementById("paymentDisplay").style.display = "none";

        document.getElementById("resDetailsDisplay").style.display = "none";

        document.getElementById("clerkDetailsDisplay").style.display = "none";

        document.getElementById("changeAdminPw").style.display = "none";

        document.getElementById("changeClerkPw").style.display = "none";

        document.getElementById("resPaymentRec").style.display = "none";

        document.getElementById("changeClerkPwSuccess").style.display = "none";

        document.getElementById("changeClerkPwFail").style.display = "none";

        document.getElementById("changeAdminPwSuccess").style.display = "none";

        document.getElementById("changeAdminPwFail").style.display = "none";

        document.getElementById("loginUsername").value = "";

        document.getElementById("loginPassword").value = "";

        document.getElementById("pm\_uname").value = "";

//      google.script.run

//      .withSuccessHandler(function(url){window.open(url,"\_top");})

//      .getScriptURL();

    }

function managePayment() {

  document.getElementById("paymentDisplay").style.display = "block";

  document.getElementById("resDetailsDisplay").style.display = "none";

  document.getElementById("clerkDetailsDisplay").style.display = "none";

  document.getElementById("changeAdminPw").style.display = "none";

  document.getElementById("changeClerkPw").style.display = "none";

}

function openResident() {

  document.getElementById("paymentDisplay").style.display = "none";

  document.getElementById("resDetailsDisplay").style.display = "block";

  document.getElementById("clerkDetailsDisplay").style.display = "none";

  document.getElementById("changeAdminPw").style.display = "none";

  document.getElementById("changeClerkPw").style.display = "none";

}

function openClerk() {

  document.getElementById("paymentDisplay").style.display = "none";

  document.getElementById("resDetailsDisplay").style.display = "none";

  document.getElementById("clerkDetailsDisplay").style.display = "block";

  document.getElementById("changeAdminPw").style.display = "none";

  document.getElementById("changeClerkPw").style.display = "none";

}

function changeAdminPw() {

  document.getElementById("paymentDisplay").style.display = "none";

  document.getElementById("resDetailsDisplay").style.display = "none";

  document.getElementById("clerkDetailsDisplay").style.display = "none";

  document.getElementById("changeAdminPw").style.display = "block";

  document.getElementById("changeClerkPw").style.display = "none";

}

function changeClerkPw() {

  document.getElementById("paymentDisplay").style.display = "none";

  document.getElementById("resDetailsDisplay").style.display = "none";

  document.getElementById("clerkDetailsDisplay").style.display = "none";

  document.getElementById("changeAdminPw").style.display = "none";

  document.getElementById("changeClerkPw").style.display = "block";

}

//----------------------------------------------------------

//--------- Manage Payment ---------------------------------------

    function GetRecords() {

    var pm\_uname = document.getElementById("pm\_uname").value;

    var pm\_hseno = document.getElementById("pm\_hseno").value;

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

      google.script.run.withSuccessHandler(function(output) {

        console.log(output);

        var pm\_uname = output[1];

        var name = output[2];

        var streetName = output[3];

        var pm\_hseno = output[4]

        if(output[0] == 'TRUE') {

          document.getElementById("loginDisplay").style.display = "none";

          document.getElementById("resPaymentRec").style.display = "block";

          document.getElementById("paymentAmt").style.display = "block";

          document.getElementById("errorMessage").innerHTML = "";

          document.getElementById("currentUser").value = name;

          document.getElementById("streetName").value = streetName;

          document.getElementById("pm\_hseno").value = pm\_hseno;

          document.getElementById("paymentSuccess").style.display = "none"

          google.script.run.withSuccessHandler(displayTable).GetRecords(pm\_uname,"None");

        } else if(output[0] == 'FALSE') {

          document.getElementById("firstLastName").innerHTML = "";

          document.getElementById("currentUser").value = "";

          document.getElementById("myFilter").innerHTML = "";

          document.getElementById("streetName").value = "";

          document.getElementById("pm\_hseno").value = "";

          document.getElementById("errorMessage").innerHTML = "Failed to Login";

          document.getElementById("paymentSuccess").style.display = "none"

          document.getElementById("LoginButton").innerHTML = "Login";

        }

      }).checkPaymentUsername(pm\_uname);

    }

    function filter(){

     var pm\_uname = document.getElementById("pm\_uname").value;

     var filterStr = document.getElementById("filterYear").value;

     google.script.run.withSuccessHandler(displayTable).GetRecords(pm\_uname, filterStr);

    }

    function displayTable(result) {

    var ar = result.data;

    var filterString = result.filter;

    ar = ar.sort((a, b) => new Date(a).getTime() > new Date(b).getTime() ? -1 : 1).splice(-12); // <--- Added

    var name = document.getElementById("currentUser").value;

      if(ar.length > 0) {

        var displayTable = '<table class=\"table\" id=\"mainTable\">';

        displayTable += "<tr>";

        displayTable += '<th style=\"text-align: center;\">Month</th>';

        displayTable += '<th style=\"text-align: center;\">House Number</th>';

        displayTable += '<th style=\"text-align: center;\">Street</th>';

        displayTable += '<th style=\"text-align: center;\">Payment Status</th>';

        displayTable += "</tr>";

        ar.forEach(function(item, index) {

          displayTable += "<tr>";

          displayTable += "<td style=\"text-align: center;\">"+item[0]+"</td>";

          displayTable += "<td style=\"text-align: center;\">"+item[1]+"</td>";

          displayTable += "<td style=\"text-align: center;\">"+item[2]+"</td>";

          displayTable += "<td style=\"text-align: center;\">"+item[3]+"</td>";

          displayTable += "</tr>";

        });

        displayTable += "</table>";

      } else {

        var displayTable = "<span style=\"font-weight: bold\" >No Records Found</span>";

      }

       var filter = '';

      if(filterString.length > 0) {

        filter += '<label for="years" style="font-size: 20px">Select the Year</label><br><select class="custom-select" id="filterYear" name="years" required><option value="" selected>Choose...</option>';

        filterString.filter(String).forEach(str => {

          filter += '<option value="'+str+'">'+str+'</option>';

        });

        filter += '</select><button class="btn btn-primary" type="button" id="FilterButton" onclick="filter()" >Submit</button>';

      }

      var today = new Date();

      var year = today.getFullYear();

      var month = today.getMonth();

      if (!ar.some(([a,,,d]) => {

        var t = new Date(a);

        return year == t.getFullYear() && month == t.getMonth() && d.toUpperCase() == "PAID";

        }))

      document.getElementById("displayRecords").innerHTML = displayTable;

      document.getElementById("firstLastName").innerHTML = "USER: " + name;

      document.getElementById("myFilter").innerHTML = filter;

      document.getElementById("searchButton").innerHTML = "Search";

      document.getElementById("pm\_hseno").value;

      document.getElementById("streetName").value;

    }

    function enterAmount(){

      var inputInfo={};

      inputInfo.amount = document.getElementById("amount").value;

      inputInfo.uname = document.getElementById("pm\_uname").value;

      if (inputInfo.amount % 50 == 0 && inputInfo.amount != 0){

        google.script.run.enterAmount(inputInfo); //run server-side

        document.getElementById("amount").value = "";

        document.getElementById("paymentSuccess").style.display = "block";

        document.getElementById("paymentFail").style.display = "none";

      }else{

        document.getElementById("paymentSuccess").style.display = "none";

        document.getElementById("paymentFail").style.display = "block";

      }

    }

//----------------------------------------------------------------

//--------- CHANGE PASSWORD (ADMIN) ---------------------------------------

    function changeAdminPassword(){

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

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

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

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

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

    if (loginPassword == currentAdminPw && newAdminPw == confirmAdminPw){

      google.script.run.withSuccessHandler().changeAdminPassword(loginUsername, newAdminPw);

      document.getElementById("loginPassword").value = newAdminPw;

      document.getElementById("changeAdminPwSuccess").style.display = "block";

      document.getElementById("changeAdminPwFail").style.display = "none";

      document.getElementById("currentAdminPw").value = "";

      document.getElementById("newAdminPw").value = "";

      document.getElementById("confirmAdminPw").value = "";

    }else{

      document.getElementById("changeAdminPwSuccess").style.display = "none";

      document.getElementById("changeAdminPwFail").style.display = "block";

    }

    }

//----------------------------------------------------------------

//--------- CHANGE PASSWORD (CLERK) ---------------------------------------

    function changeClerkPassword(){

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

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

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

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

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

    if (loginPassword == currentClerkPw && newClerkPw == confirmClerkPw){

        google.script.run.withSuccessHandler().changeClerkPassword(loginUsername, newClerkPw);

        document.getElementById("changeClerkPwSuccess").style.display = "block";

        document.getElementById("changeClerkPwFail").style.display = "none";

        document.getElementById("loginPassword").value = newClerkPw;

        document.getElementById("currentClerkPw").value = "";

        document.getElementById("newClerkPw").value = "";

        document.getElementById("confirmClerkPw").value = "";

     }else{

        document.getElementById("changeClerkPwSuccess").style.display = "none";

        document.getElementById("changeClerkPwFail").style.display = "block";

      }

    }

//----------------------------------------------------------

//---------Clerk Part---------------------------------------

  // Prevent forms from submitting.

  function preventClerkFormSubmit() {

    var forms = document.querySelectorAll('form');

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

      forms[i].addEventListener('submit', function(event) {

      event.preventDefault();

      });

    }

  }

  window.addEventListener("load", clerkfunctionInit, true);

  //INITIALIZE FUNCTIONS ONLOAD

  function clerkfunctionInit(){

    preventClerkFormSubmit();

    getClerkLastTenRows();

  };

  //HANDLE FORM SUBMISSION

  function handleClerkFormSubmit(formObject) {

    google.script.run.withSuccessHandler(createClerkTable).processClerkForm(formObject);

    document.getElementById("clerkForm").reset();

  }

  //GET LAST 10 ROWS

  function getClerkLastTenRows (){

   google.script.run.withSuccessHandler(createClerkTable).getClerkLastTenRows();

  }

  //GET ALL DATA

  function getClerkAllData(){

    google.script.run.withSuccessHandler(createClerkTable).getClerkAllData();

  }

  //CREATE DATA TABLE

  function createClerkTable(dataArray) {

    if(dataArray){

      var result = "<table class='table table-sm' style='font-size:0.8em'>"+

                   "<thead style='white-space: nowrap'>"+

                     "<tr>"+

                      "<th scope='col'>Delete</th>"+

                      "<th scope='col'>Edit</th>"+

                      "<th scope='col'>Username</th>"+

                      //"<th scope='col'>Password</th>"+

                    "</tr>"+

                  "</thead>";

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

          result += "<tr>";

          result += "<td><button type='button' class='btn btn-danger btn-xs deleteBtn' onclick='deleteClerkData(this);'>Delete</button></td>";

          result += "<td><button type='button' class='btn btn-warning btn-xs editBtn' onclick='editClerkData(this);'>Edit</button></td>";

          for(var j=0; j<dataArray[i].length; j++){

             if(j!=1 && j!=2){

               result += "<td>"+dataArray[i][j]+"</td>";

             }

          }

          result += "</tr>";

      }

      result += "</table>";

      var div = document.getElementById('clerkDataTable');

      div.innerHTML = result;

      document.getElementById("clerk\_message").innerHTML = "";

    }else{

      var div = document.getElementById('clerkDataTable');

      div.innerHTML = "Data not found!";

    }

  }

  //DELETE DATA

  function deleteClerkData(el) {

      swal({

        title: "Are you sure?",

        text: "Once deleted, you will not be able to recover this record!",

        icon: "warning",

        buttons: true,

        dangerMode: true,

      })

        .then((willDelete) => {

        if (willDelete) {

        swal("Record has been deleted!", {

        icon: "success",

      });

       } else {

        swal("Record is not deleted!");

        }

        if(willDelete) {

          var clerk\_uname = el.parentNode.parentNode.cells[2].innerHTML;

          google.script.run.withSuccessHandler(createClerkTable).deleteClerkData(clerk\_uname);

        }

    });

  }

  //EDIT DATA

  function editClerkData(el){

    var clerk\_uname = el.parentNode.parentNode.cells[2].innerHTML;

    google.script.run.withSuccessHandler(populateClerkForm).getClerkRecordById(clerk\_uname);

  }

  //POPULATE FORM

  function populateClerkForm(records){

    document.getElementById('clerk\_uname').value = records[0][0];

    document.getElementById('clerk\_pw').value = records[0][1];

    document.getElementById("clerk\_message").innerHTML = "<div class='alert alert-warning' role='alert'>Update Record [CLERK: "+records[0][0]+"]</div>";

  }

//-----------------------------------------------------------------------

//----------------Resident Part------------------------------------------

  // Prevent forms from submitting.

  function preventResFormSubmit() {

    var forms = document.querySelectorAll('form');

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

      forms[i].addEventListener('submit', function(event) {

      event.preventDefault();

      });

    }

  }

  window.addEventListener("load", functionInit, true);

  //INITIALIZE FUNCTIONS ONLOAD

  function functionInit(){

    preventResFormSubmit();

    getResLastTenRows();

  };

  //HANDLE FORM SUBMISSION

  function handleResFormSubmit(formObject) {

    google.script.run.withSuccessHandler(createResTable).processResForm(formObject);

    document.getElementById("myForm").reset();

  }

  //GET LAST 10 ROWS

  function getResLastTenRows (){

   google.script.run.withSuccessHandler(createResTable).getResLastTenRows();

  }

  //GET ALL DATA

  function getResAllData(){

    google.script.run.withSuccessHandler(createResTable).getResAllData();

  }

  //CREATE THE DATA TABLE

  function createResTable(dataArray) {

    if(dataArray){

      var result = "<table class='table table-sm' style='font-size:0.8em'>"+

                   "<thead style='white-space: nowrap'>"+

                     "<tr>"+

                      "<th scope='col'>Delete</th>"+

                      "<th scope='col'>Edit</th>"+

                      "<th scope='col'>Username</th>"+

                      "<th scope='col'>House No.</th>"+

                      "<th scope='col'>Street</th>"+

                      "<th scope='col'>First Name</th>"+

                      "<th scope='col'>Last Name</th>"+

                      //"<th scope='col'>No of Paid</th>"+

                      //"<th scope='col'>Password</th>"+

                      "<th scope='col'>Phone</th>"+

                    "</tr>"+

                  "</thead>";

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

          result += "<tr>";

          result += "<td><button type='button' class='btn btn-danger btn-xs deleteBtn' onclick='deleteResData(this);'>Delete</button></td>";

          result += "<td><button type='button' class='btn btn-warning btn-xs editBtn' onclick='editResData(this);'>Edit</button></td>";

          for(var j=0; j<dataArray[i].length; j++){

              if(j!=6 && j!=5){                                  //not showing password & no of paid in datatable

              result += "<td>"+dataArray[i][j]+"</td>";

              }

          }

          result += "</tr>";

      }

      result += "</table>";

      var div = document.getElementById('dataTable');

      div.innerHTML = result;

      document.getElementById("message").innerHTML = "";

    }else{

      var div = document.getElementById('dataTable');

      div.innerHTML = "Data not found!";

    }

  }

  //DELETE DATA

  function deleteResData(el) {

      swal({

        title: "Are you sure?",

        text: "Once deleted, you will not be able to recover this record!",

        icon: "warning",

        buttons: true,

        dangerMode: true,

      })

        .then((willDelete) => {

        if (willDelete) {

        swal("Record has been deleted!", {

        icon: "success",

      });

       } else {

        swal("Record is not deleted!");

        }

        if(willDelete) {

          var username = el.parentNode.parentNode.cells[2].innerHTML;

          google.script.run.withSuccessHandler(createResTable).deleteResData(username);

        }

     });

  }

  //EDIT DATA

  function editResData(el){

    var username = el.parentNode.parentNode.cells[2].innerHTML;

    google.script.run.withSuccessHandler(populateForm).getResRecordById(username);

  }

  //RESET RESIDENT PASSWORD

  function admin\_resetResPw(){

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

    var password = document.getElementById('password').value;

    password = username;

    google.script.run.withSuccessHandler().admin\_resetResPw(username, password);

    document.getElementById("resetResPwSuccess").style.display = "block";

  }

  //RESET CLERK PASSWORD

  function admin\_resetClerkPw(){

    var clerk\_uname = document.getElementById("clerk\_uname").value;

    var clerk\_pw = document.getElementById('clerk\_pw').value;

    clerk\_pw = clerk\_uname;

    google.script.run.withSuccessHandler().admin\_resetClerkPw(clerk\_uname, clerk\_pw);

    document.getElementById("resetClerkPwSuccess").style.display = "block";

  }

  //POPULATE FORM

  function populateForm(records){

    document.getElementById('username').value = records[0][0];

    document.getElementById('housenumber').value = records[0][1];

    document.getElementById('street').value = records[0][2];

    document.getElementById('firstname').value = records[0][3];

    document.getElementById('lastname').value = records[0][4];

    document.getElementById('password').value = records[0][6];

    document.getElementById('phone').value = records[0][7];

    document.getElementById("message").innerHTML = "<div class='alert alert-warning' role='alert'>Update Record [ID: "+records[0][0]+"]</div>";

  }

  //GET DATA FOR STREET DROPDOWN FROM GOOGLE SHEETS

  function createStreetDropdown() {

      google.script.run.withSuccessHandler(streetDropDown).getDropdownList("Configuration!A2:A");

  }

  //POPULATE STREET DROPDOWNS

  function streetDropDown(values) {

    var list = document.getElementById('street');

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

      var option = document.createElement("option");

      option.value = values[i];

      option.text = values[i];

      list.appendChild(option);

    }

  }

  //SEARCH DATA

  function handleSearchForm(formObject) {

    google.script.run.withSuccessHandler(createResTable).searchResData(formObject);

    document.getElementById("search-form").reset();

  }

</script>