

FOOD BANK WEB APP TECHNICAL REPORT

CPSC 471 Final Report

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Abstract

The SU Campus Food Bank, administered through SU Volunteer Services, provides seven days a week emergency food relief service to the campus community. Clients request food hampers by filling out forms with a volunteer in person, then selecting a time to pick up their hamper. The key functionality of the food bank implemented in a database system, allowing for statistic tracking.

This report details work completed by the food bank team over the semester:

1. Review of the proposed database system key features
2. Overview of application design and user interaction
3. ERD diagram of food bank application
4. Translated relational schema, with justification for changes during implementation
5. Details on function implementation and the DBMS selected
6. Rationale for application functionality and SQL queries with pseudo-code
7. User manual
8. Appendix including database, backend and front code

Introduction

Problem Definition

In March of last year, the Student Union reported a shortfall (loss) of \$30 000 on the food bank. In an interview with The Gauntlet, the food bank coordinators revealed that demand doubled in the previous two years, and is continuing to increase. The food bank is run by volunteers, who fill out paper forms detailing client information and item requests. Because all information is kept on paper, any statistics besides cost are difficult to report, as this would require manual tabulation over hundreds of forms.

Objectives

This project aims to improve volunteer time usage and allow for additional insight into food bank usage by digitizing relevant information, primarily through inventory and request tracking. Because all forms are manually filled in, it's required that a volunteer be with clients when requests are made, and that they manually review forms for errors. Digitizing these forms and implementing error checking would free up volunteers for other tasks, such as fundraising. As all forms are being stored electronically, the details in the requests can be used to track specific item usage over time, which would be time consuming in a paper based system.

Project scope

As detailed in the original proposal, the project deliverables are as follows:

- A web application that can be accessed online (statically hosted in the submission)
- A login system accommodating three types of users: admins, volunteers, and clients
- A system to assign volunteers to client requests
- Storage of client, admin, and volunteer information
- Storage of client request details
- Food inventory tracking
- Selected statistic reporting

Implementation details such as password hashing and user session cookies were considered out of the scope of this project, and as such are not present in the project implementation.

User Interaction Overview

Three types of users are defined in the database system:

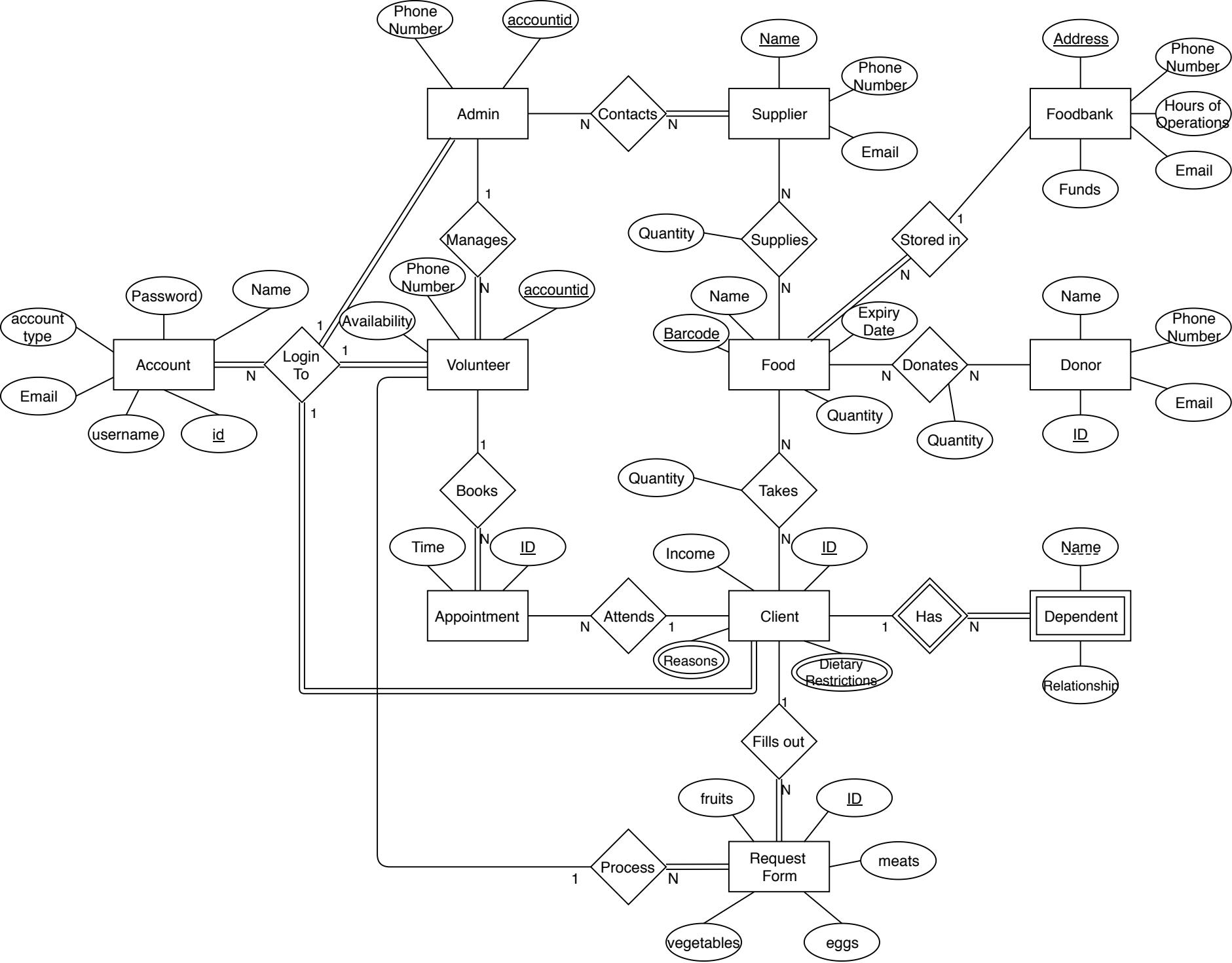
1. Clients, who fill out request forms, request a pick up time, and receive food
2. Volunteers, who process requests, pack request items together, and are present at appointments where clients receive food items
3. Admins, who order food items from a supplier, and are responsible for teaching and management of volunteers

An example transaction with a client as it pertains to the completed application is as follows:

1. Client accesses web application, where they are asked to provide personal information and why they are requesting support for food
2. Client logs into the system, granting them access to the request page
3. Client fills in the request page, detailing which quantities they want of a predetermined list of foods
4. Volunteer logs into the system with credentials provided by their administrator
5. Volunteer accesses the 'requests' page, where a table of all uncompleted requests is presented
6. Volunteer selects a request to complete, accesses the 'appointments' page, and enters an appointment with the client, after which they pack the appropriate food items
7. Volunteer finishes packing food items
8. Volunteer attends appointment with client, and administers hampers
9. Volunteer accesses the 'finish order' page to update the request form and indicate that it has been completed which updates the food inventory in the database

Beyond this, admins can add and delete any level of users, appointments, orders, and update food inventories, funds as well as view the statistics of the database

1. To add new users, the admin can access the appropriate page in the 'control panel' page and enter in the relevant login credentials
2. To delete users, the admin would type in the relevant account ID of the user they wish to delete



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The Admin, Volunteer and Client relations are repeated on both sides in order to make the diagram clearer and less messy. They are the same relation, and NOT two separate different relation.

The EER diagram has been updated to reflect changes for the final submission

- Most changes were just changes in name to better reflect the functions
- The few noteworthy ones were:
 - o Moved name attributes from Admin, Volunteer, Client to Account
 - o Renamed Food table to Foodstore table to better represent its functionality, and removed the nutrional value attribute
 - o Removed priority level and calories attribute from request from, and added food items instead
 - o Added quantity attribute to Supplies, Donates, and Takes tables
 - o Removed Prepares table

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Admin

accountid

Phone Number

Volunteer

accountid

Phone Number

Availability

Manager ID

Client

accountid

Income

Account

id

name

email

username

password

accounttype

Dietary Restrictions

clientid

dietaryrestriction

Reasons

clientid

reason

Appointment

id

time

Volunteer ID

Client ID

Dependant

Client ID

Name

Relationship

Food Bank

Address

Phone Number

Hours of
Operation

Email

Funds

Foodstore

refcode

foodname

quantity

expiry Date

address

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Admin (same as above)

accountid	Phone Number
-----------	--------------

Volunteer (same as above)

accountid	phone Number	availability	manager ID
-----------	--------------	--------------	------------

Client (same as above)

accountid	income
-----------	--------

RequestForm

id	fruits	vegetables	potatoes	eggs	butter	... additional items	clientid	volunteerid
----	--------	------------	----------	------	--------	----------------------	----------	-------------

Donor

ID	Name	Phone Number	Email
----	------	--------------	-------

Supplier

Name	Phone Number	Email
------	--------------	-------

Contacts

Admin ID	Supplier Name
----------	---------------

Supplies

Supplier Name	Food Barcode	quantity
---------------	--------------	----------

Takes

Client ID	Food Barcode	quantity
-----------	--------------	----------

Donates

Donor ID	Food Barcode	quantity
----------	--------------	----------

DBMS Selection Rationale

This project was developed using the Flask Python Framework and Python3's built-in Sqlite3 module. Flask was chosen for its built-in development server and debugger, as well as its minimalistic nature, allowing for great flexibility and control over what modules are used. The following imports were used for the backend application:

- Flask
 - Flask
 - render_template
 - request
 - redirect
- sqlite3
- datetime

Sqlite3 was chosen for many reasons:

- It is a built-in module of Python3
- Sqlite code is extremely readable
- It has better performance, reduced application cost
- It is portable across all operating systems, 32-bit and 64-bit
- It is reliable, as content can be updated continuously and atomically so that little or no work is lost in a power failure or crash.
- The queries are similar to what was taught in class

SQL Queries with associated pseudocode

The function definitions in the backend application use Python to supplement SQL queries, typically completing tasks such as:

- Row validation
- Argument preprocessing
- List comprehensions on rows

Function name: reqform()

Function purpose: Returns the request form web page with a reference table of maximum requestable items

Pseudocode + SQL:

```
SELECT * FROM MaxRequests  
Embed MaxRequests in HTML page  
Return webpage
```

Function name: loginAccount()

Function purpose: Logs the user into their appropriate accounts using authentication

Pseudocode + SQL:

```
If attempted login as client:  
    SELECT * FROM Client  
    Parse SQL query results for client  
    If client account exists:  
        Set login as client  
        Return to homepage logged in as client
```

```
Else if attempted login as volunteer:  
    SELECT * FROM Volunteer  
    Parse SQL query results for volunteer  
    If volunteer account exists:  
        Set login as volunteer  
        Return to homepage logged in as volunteer
```

```
Else:  
    SELECT * FROM Admin  
    Parse SQL query results for admin  
    If admin account exists:  
        Set login as admin  
        Return to homepage logged in as admin
```

Function name: addreqform()

Function purpose: Submits a request form

Pseudocode + SQL:

```
SELECT * FROM Dependant WHERE clientid = logged in user id  
Calculate family size  
SELECT * FROM MaxRequests WHERE famSize= Calculated family size  
Compare requested items to maximum requestable items  
If requested appointment time is at least 1 day from today:  
    If requested items within maximum:  
        INSERT INTO RequestForm(fooditems,values)
```

**note that the above insertion has over 14 arguments containing specific food items, and was redacted to maintain clarity

Function name: addAppointmentData()

Function purpose: Add an appointment between a client and a volunteer into data base

Pseudocode + SQL:

```
If appointment time is at least 1 day away:  
    If volunteer exists and client exists:  
        INSERT INTO Appointment (time, clientid, volunteerid ) VALUES ('{time}',  
'{clientid}', '{volunteerid}').format(  
            time=request.form['time'],  
            clientid=request.form['cID'],  
            volunteerid=request.form['vID']))
```

**the above values are submitted from the appointment webpage, formatting is as specified in Sqlite3 docs

Function name: addInventoryData()

Function purpose: Add food store information

Pseudocode + SQL:

```
INSERT INTO Foodstore (refcode, foodname, quantity, expirydate, address) VALUES  
('{refcode}', '{foodname}', '{quantity}', '{expirydate}', '{address}')."format(  
    refcode=request.form['refcode'],  
    foodname=request.form['foodname'],  
    quantity=request.form['quantity'],  
    expirydate=request.form['expirydate'],  
    address=request.form['address']))
```

Function name: register()

Function purpose: Add a client account to the database

Pseudocode + SQL:

```
INSERT INTO Account (name, email, username, password, accounttype) VALUES  
('{name}', '{email}', '{username}', '{password}', '{accounttype}').format(  
    name=request.form['name'],  
    email=request.form['email'],  
    username=request.form['username'],  
    password=request.form['password'],  
    accounttype=0))
```

```
INSERT INTO Client (income,accountid) VALUES ('{income}', '{accountid}').format(  
    income=request.form['income'],  
    accountid=account_id))
```

For all dependants:

```
INSERT INTO Dependant (clientid, name, relationship) VALUES  
('{clientid}', '{name}', '{relationship}').format(  
    clientid=account_id,  
    name=request.form[varname],  
    relationship=request.form[relname]))
```

For all reasons:

```
INSERT INTO Reasons (clientid, reason) VALUES ('{clientid}', '{reason}').format(  
    clientid=account_id,  
    reason=request.form[reasonname]))
```

Function name: addAdminUser()

Function purpose: Add an admin account to the database

Pseudocode + SQL:

```
INSERT INTO Account (name, email, username, password, accounttype) VALUES  
('{name}', '{email}', '{username}', '{password}', '{accounttype}').format(  
    name=request.form['name'],  
    email=request.form['email'],  
    username=request.form['username'],  
    password=request.form['password'],  
    accounttype=2))
```

```
INSERT INTO Admin (phonenumber, accountid) VALUES ('{phonenumber}', '{accountid}').format(  
    phonenumber=request.form['phone'],  
    accountid=account_id))
```

Function name: addVolunteerUser()

Function purpose: Add a volunteer account to the database

Pseudocode + SQL:

```
INSERT INTO Account (name, email, username, password, accounttype) VALUES  
('{name}', '{email}', '{username}', '{password}', '{accounttype}')."format(  
    name=request.form['name'],  
    email=request.form['email'],  
    username=request.form['username'],  
    password=request.form['password'],  
    accounttype=1))
```

```
INSERT INTO Volunteer (phonenumbers, availability, accountid, managerid) VALUES  
('{phonenumbers}', '{availability}', '{accountid}', '{managerid}')."format(  
    phonenumbers=request.form['phone'],  
    availability=request.form['availability'],  
    accountid=account_id,  
    managerid=request.form['mID']))
```

Function name: addDonorData()

Function purpose: Add a donor to the database

Pseudocode + SQL:

```
INSERT INTO Donor (name, phonenumbers, email) VALUES  
('{name}', '{phonenumbers}', '{email}')."format(  
    name=request.form['name'],  
    phonenumbers=request.form['phonenumbers'],  
    email=request.form['email']))
```

Function name: addSupplierData()

Function purpose: Add a supplier to the database

Pseudocode + SQL:

```
INSERT INTO Supplier (name, phonenumbers, email) VALUES  
('{name}', '{phonenumbers}', '{email}')."format(  
    name=request.form['name'],  
    phonenumbers=request.form['phonenumbers'],  
    email=request.form['email']))
```

Function name: updateFundsData()

Function purpose: Updates the funds of the Food bank

Pseudocode + SQL:

Get foodbank address

```
UPDATE Foodbank SET funds = request.form['funds'] WHERE address = foodbank address
```

Function name: viewAdmin()

Function purpose: Return a webpage with the list of admin users

Pseudocode + SQL:

```
SELECT * FROM Account INNER JOIN Admin ON Account.id=Admin.accountid  
Return webpage
```

Function name: viewVolunteer()

Function purpose: Return a webpage with the list of volunteer users

Pseudocode + SQL:

```
SELECT * FROM Account INNER JOIN Volunteer ON Account.id=Volunteer.accountid  
Return webpage
```

Function name: viewClient()

Function purpose: Return a webpage with the list of client users

Pseudocode + SQL:

```
SELECT * FROM Account INNER JOIN Client ON Account.id=Client.accountid  
Return webpage
```

Function name: viewAppointment()

Function purpose: Return a webpage with the list of appointments

Pseudocode + SQL:

```
SELECT * FROM Appointment  
Return webpage
```

Function name: viewInventory()

Function purpose: Return a webpage with the list of foodstores

Pseudocode + SQL:

```
SELECT * FROM Foodstore  
Return webpage
```

Function name: viewOrder()

Function purpose: Return a webpage with the list of request forms

Pseudocode + SQL:

```
SELECT * FROM RequestForm  
Return webpage
```

Function name: deleteAdminUser()

Function purpose: Delete an admin user from the database

Pseudocode + SQL:

```
Get account ID of the admin user  
DELETE FROM Account WHERE id= accountid of admin user
```

Function name: deleteVolunteerUser()

Function purpose: Delete a volunteer user from the database

Pseudocode + SQL:

Get account ID of the volunteer user

DELETE FROM Account WHERE id= accountid of volunteer user

Function name: deleteClientUser()

Function purpose: Delete a client user from the database

Pseudocode + SQL:

Get account ID of the client user

DELETE FROM Account WHERE id= accountid of client user

Function name: deleteOrderData()

Function purpose: Delete a request form from the database

Pseudocode + SQL:

Get account ID of the request form

DELETE FROM RequestForm WHERE id= id of request form

Function name: deleteAppointmentData()

Function purpose: Delete an appointment from the database

Pseudocode + SQL:

Get account ID of the appointment form

DELETE FROM Appointment WHERE id= id of appointment form

Function name: genStatsVolunteer()

Function purpose: Generate a webpage with the statistics of a volunteer

Pseudocode + SQL:

SELECT COUNT(id) FROM Appointment WHERE ? = volunteerid, (request.form['Vid']))

Return Webpage

Function name: genStatsClient()

Function purpose: Generate a webpage with the statistics of a client

Pseudocode + SQL:

SELECT COUNT(id) FROM Appointment WHERE ? IN (SELECT accountid FROM Client, (request.form['Vid']))

Return Webpage

Function name: genStatsAllClient()

Function purpose: Generate a webpage with the statistics of all clients that are low income

Pseudocode + SQL:

```
SELECT COUNT(id) FROM Appointment WHERE clientid IN (SELECT accountid FROM Client  
WHERE income <= 10000)  
Return Webpage
```

Function name: finishOrder()

Function purpose: Update request form with id of volunteer that completed the request, populate “Takes” table with clientid and quantities of items client received, update “Foodstore” with taken items.

Pseudocode + SQL:

Implementation incomplete

User Manual

In Linux:

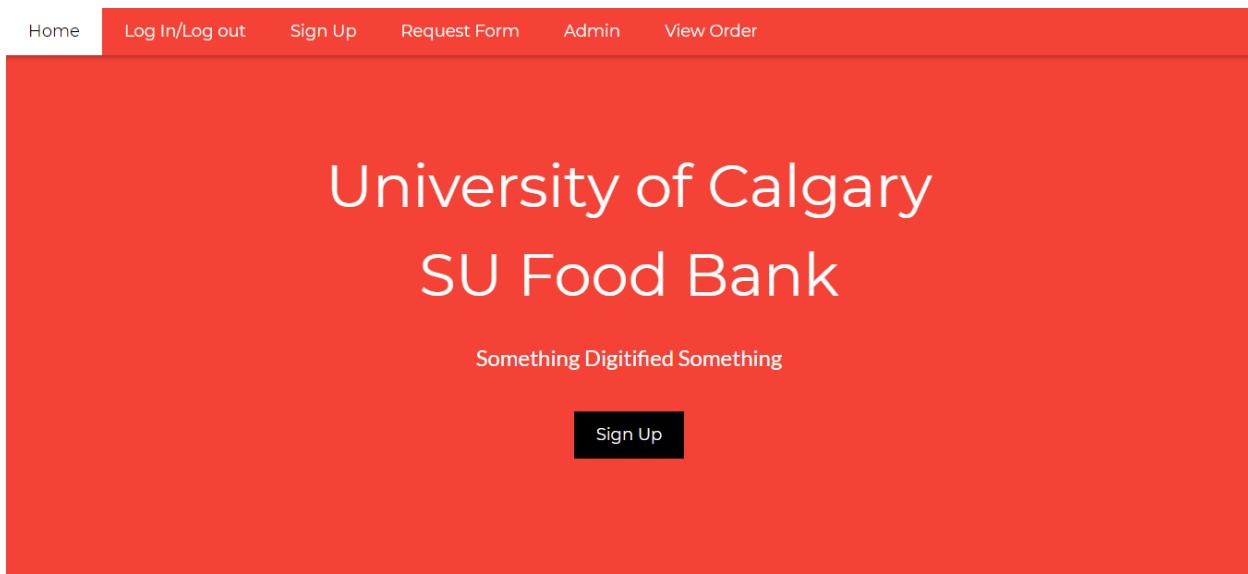
```
cd CPSC471FoodBank  
pip install flask  
chmod+x run.sh  
.run.sh
```

After executing the shell script, the web application will be statically hosted on the local machine. To access the web application, go to your preferred browser(except for Microsoft Explorer or Edge)

And enter the following address: localhost:5000



The first page is the home page and looks like so:



The first thing you must do is sign up:

Username

Enter Username

Password

Enter Password

E-mail

example@ucalgary.ca

Name

Enter Name

Income

5000

Dietary Restriction

Gluten Nadhif Kosher Vegan Peanut Vegetarian

Reason For Requiring Help

Reason #1

Reason #2

Reason #3

Dependents

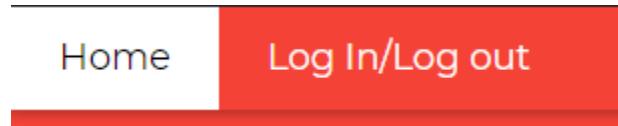
Name #1

Relationship #1

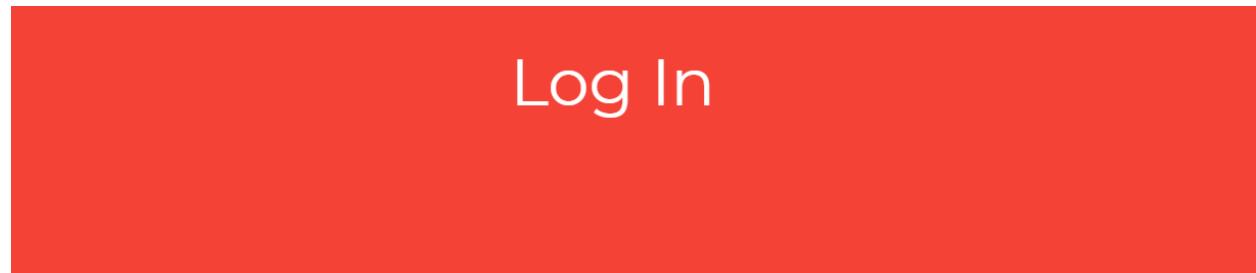
The format of the fields are enforced by the webpage

After signing up, you will be redirected to the home page,

You may now log in as a client using your credentials by pressing the Log In/Log out button on the navigation bar



Now enter your previously registered credentials



Username

Password

User Type
 Client Volunteer Admin

A form with fields for Username and Password, and a User Type section with three radio buttons. Below the form is a "Log In" button.

Note that you must select the Client radio button since you are logging in as a client

Note that if you are testing as a Volunteer or an Admin, the process is the same but you would select the appropriate radio buttons.

After logging in as a client, you will be returned to the homepage, and the request form page will be available to you.

Navigate to that page by pressing the Request Form button in the navigation bar



Hamper Request Form

Family Size	Max Fruits	Max Vegetables	Max Potato Bags	Max Eggs	Max Butter	Max Ground Beef	Max Whole Chicken	Max Veggie Frozen	Max Bread	Max Canned Veggie	Max Canned Fruit	Max Canned Soup	Max Canned Seafood	Max Canned Meat
1	4	3	1	0.5	1	1	1	2	1	1	1	4	2	1
2	6	6	2	0.5	1	1	1	2	2	2	2	5	2	1
3	12	8	2	1.0	1	1	2	2	2	4	4	6	3	2
4	16	10	3	2.0	1	2	1	2	3	6	6	7	4	3

Enter the number of fresh fruits

0

The table you see in the Hamper Request Form indicates the maximum of requestable food items of each type for the given family size.

Attempting to request more than the indicated maximum will result in an error and return you back to the Request Form page with all fields reset.

Additionally, the date of the request form must be valid, meaning it must be sometime in the future.

Below is an example of what an error looks like

Error: Invalid date and time, please pick a future date and time.

Family Size	Max Fruits	Max Vegetables	Max Potato Bags	Max Eggs	Max Butter	Max Ground Beef	Max Whole Chicken	Max Veggie Frozen	Max Bread	Max Canned Veggie	Max Canned Fruit	Max Canned Soup	Max Canned Seafood	Max Canned Meat
1	4	3	1	0.5	1	1	1	2	1	1	1	4	2	1
2	6	6	2	0.5	1	1	1	2	2	2	2	5	2	1
3	12	8	2	1.0	1	1	2	2	2	4	4	6	3	2
4	16	10	3	2.0	1	2	1	2	3	6	6	7	4	3

Enter the number of fresh fruits

If there were no errors, the request was successful

At this point, you are finished as a client, so you may press the Log In/ Log out button to log out to complete your session

Now lets proceed as a volunteer

Typically a volunteer would be provided credentials by an Admin

A test account has been made available

Navigate to the Log In page and use the following credentials to log in as a volunteer

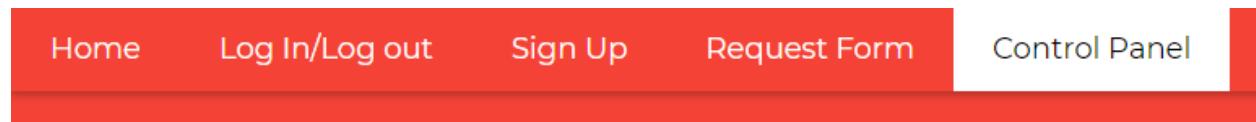
Username: east

Password: 111111

Press the login button

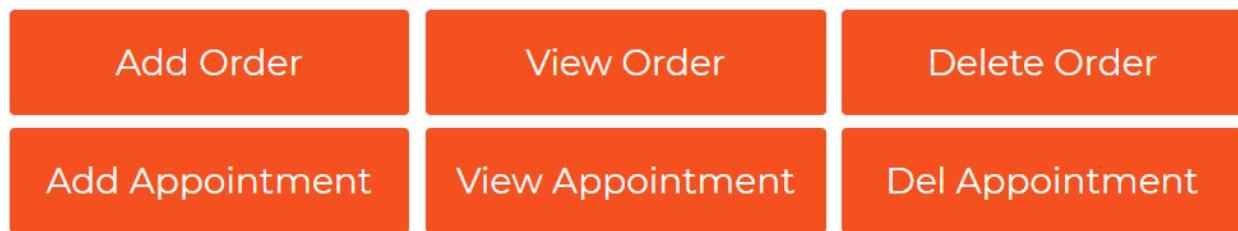
After successfully logging in as a volunteer, you will be returned to the home page

You will now have access to the control panel



As a volunteer, you are able to access some of these functions

Namely, any of the buttons that deal with Orders or Appointments



Attempting to access any other buttons in the control panel will do nothing and return you to the control panel page

As a volunteer, one of your responsibilities is setting up appointments with clients as you process their orders.

Check which orders are pending by pressing the View Order Button

View Orders

Request ID	Fruits	Vegetables	Potato Bags	Eggs	Butter	Ground Beef	Whole Chicken	Veggie Frozen	Bread	Canned Veggie	Canned Fruit	Canned Soup	Canned Seafood	Canned Meat	Client ID	Volunteer Handler ID	Pickup Date
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	None	2020-11-11T11:11
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	None	2020-02-02T14:02
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	None	2020-12-15T02:02

Note the Volunteer Handler ID column, if the value is None, the order is yet to be processed and you are encouraged to work on it.

Once you have chosen a request to work on, you must add an appointment with the respective client by pressing the Add Appointment button in the Control Panel page

Add Appointment

Date (local time)

mm/dd/yyyy --:-- --

Volunteer ID

00

Client ID

00

Submit

Note the pickup date from the order request, as this is the client's preferred time. You have the freedom to enter a different time for the pick-up appointment but are discouraged from doing so.

After successfully meeting with the client and once they have left with the hamper, you may mark the request form as finished by pressing the Finish Order button in the Control Panel and entering in the request form ID you have just completed.

Complete Order Request

Request ID

30044533

Submit

Doing so will accomplish three things:

- Marking your volunteer ID in the Volunteer Handler ID column of the View Orders page so that others can see that request has been completed.
- Storing the quantities of the taken food items in the Takes Table
- Decrementing the respective quantities in the food stores to represent the taken food

That has covered the functionalities available to volunteers

At this point, you may log out and relog in as an Admin

A test account has been made available

Navigate to the Log In page and use the following credentials to log in as an admin

Username: csus

Password: cpsc2018

After logging in as an Admin, all buttons in the control panel will be made available

An Admin has the power to add and delete users, amongst other things.

Add and Delete are self explanatory.

To generate user statistics, press the View Statistics button

VIEW STATISTICS

Volunteer ID

3

Generate Volunteer Statistics

Client ID

2

Generate Client Statistics

Generate statistics for all clients with low income

On this page, an Admin can view the number of appointments a volunteer or client has

References

<https://www.patricksoftwareblog.com/steps-for-starting-a-new-flask-project-using-python3/>

<https://docs.python.org/2/library/sqlite3.html>

<https://stackoverflow.com/questions/441147/how-to-subtract-a-day-from-a-date>

<https://docs.python.org/3/library/datetime.html>

<https://stackabuse.com/converting-strings-to-datetime-in-python/>

https://www.w3schools.com/html/html_form_input_types.asp

<https://stackoverflow.com/questions/30041983/check-if-a-row-exists-in-sqlite3?rq=1>

<https://www.sqlite.org/lang.html>

<http://flask.pocoo.org/docs/1.0/quickstart/>

Appendices follow

```
<!DOCTYPE html>
<html lang="en">
<title>SU Food Bank</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Lato">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Montserrat">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<style>
body,h1,h2,h3,h4,h5,h6 {font-family: "Lato", sans-serif}
.w3-bar,h1,button {font-family: "Montserrat", sans-serif}
.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Admin</h1>
</header>

<!-- CREATE TABLE Account ( -->
    id          INTEGER PRIMARY KEY AUTOINCREMENT UNIQUE,
    name        TEXT NOT NULL,
    email       TEXT NOT NULL,
    username    TEXT NOT NULL,
    password    TEXT NOT NULL,
    accounttype INTEGER NOT NULL
) ;

CREATE TABLE Admin (
```

```
phonenumer TEXT,
accountid INTEGER PRIMARY KEY UNIQUE REFERENCES Account(id) ON UPDATE CASCADE ON
DELETE CASCADE
); -->

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addAdminUser" method="post">

<label>Username<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Username" name="username" required>

<label><br>Password<br></label>
<input style="width: 100%; padding: 10px" type="password" placeholder="Enter Password" name="password" required>

<label><br>E-mail<br></label>
<input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name" required>

<label><br>Phone Number<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="5879660788" name="phone" pattern="[0-9]{10}" required>

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
<h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
University Drive NW<br>Canada AB</h1>
</div>
```

```
</body>
</html>
```

```
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<title>SU Food Bank</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
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<style>
body,h1,h2,h3,h4,h5,h6 {font-family: "Lato", sans-serif}
.w3-bar,h1,button {font-family: "Montserrat", sans-serif}
.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
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<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Appointment</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addAppointmentData" method="post">

{%
if error %}
<p class="error"><strong>Error:</strong> {{ error }}</p>
{%
endif %}


```

```
</p>

<label>Date (local time)<br></label>
<input style="width: 100%; padding: 10px" type="datetime-local" name="time" required>

<label><br>Volunteer ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="00" name="vID" required>

<label><br>Client ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="00" name="cID" required>

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
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<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Donor</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addDonorData" method="post">

<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Your Full Name">

```

```
    name="name" required>

    <label><br>Phone Number<br></label>
    <input style="width: 100%; padding: 10px" type="text" placeholder="4031111234" name="phonenumber" pattern="[0-9]{10}" required>

    <label><br>E-mail<br></label>
    <input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

    <br><br>
    <button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

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<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Food Bank Details</h1>
</header>

<!-- CREATE TABLE Foodbank(>
    address      TEXT PRIMARY KEY NOT NULL,
    phonenumer  TEXT NOT NULL,
    email        TEXT NOT NULL,
    hours        TEXT NOT NULL,
    funds        REAL NOT NULL
); -->

<!-- First Grid -->
```

```
<div class="w3-row-padding w3-padding-64 w3-container">
  <div class="w3-content">

    <form action="/addFoodBankData" method="post">

      <label><br>Address<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="Address of foodbank" name="address" required>

      <label><br>Phone Number<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="5879660788" name="phone" pattern="[0-9]{10}" required>

      <label><br>E-mail<br></label>
      <input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

      <label><br>Hours of Operation (as a string)<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="hours" name="hours" required>

      <label><br>Funds<br></label>
      <input style="width: 100%; padding: 10px" type="number" min="0" placeholder="400" name="funds" required>

      <br><br>
      <button style="width: 100%; padding: 10px" type="submit">Submit</button>

    </form>

  </div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add to Inventory</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addInventoryData" method="post">

<label>Enter the bar code<br></label>
<input style="width: 100%; padding: 10px" type="number" placeholder="1000" name="refcode" min="0" required>
```

```
<label><br>Enter the name of the food<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Carrots" name="foodname" required>

<label><br>Enter the quantity of the food<br></label>
<input style="width: 100%; padding: 10px" type="number" placeholder="1" name="quantity" min="0" required>

<label><br>Enter the expiry date<br></label>
<input style="width: 100%; padding: 10px" type="date" value="0" name="expirydate" required>

<label><br>Enter the address of the food currently stored at<br></label>
<input style="width: 100%; padding: 10px" type="text" value="251 MacEwan Student Centre 2500 University Drive NW Calgary" name="address" required>

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500 University Drive NW<br>Canada AB</h1>
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Supplier</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addSupplierData" method="post">

<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter your
```

```
    organization's name" name="name" required>

    <label><br>Phone Number<br></label>
    <input style="width: 100%; padding: 10px" type="text" placeholder="4031111234" name="phonenumber" pattern="[0-9]{10}" required>

    <label><br>E-mail<br></label>
    <input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

    <br><br>
    <button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

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<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Add Volunteer</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addVolunteerUser" method="post">

<label>Username<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Username" name="username" required>
```

```
<label><br>Password<br></label>
<input style="width: 100%; padding: 10px" type="password" placeholder="Enter Password" name="password" required>

<label><br>E-mail<br></label>
<input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name" required>

<label><br>Phone Number<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="5879660788" name="phone" pattern="[0-9]{10}" required>

<label><br>Manager ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="00" name="mID" required>

<label><br>Availability<br></label>
<input type="radio" name="availability" value="monday" required> Monday &#160; &#160;
<input type="radio" name="availability" value="tuesday"> Tuesday &#160; &#160;
<input type="radio" name="availability" value="wednesday"> Wednesday &#160; &#160;
<input type="radio" name="availability" value="thursday"> Thursday &#160; &#160;
<input type="radio" name="availability" value="friday"> Friday &#160; &#160;

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

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<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Delete Admin</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/deleteAdminUser" method="post">

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<title>SU Food Bank</title>
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<meta name="viewport" content="width=device-width, initial-scale=1">
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.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
  <div class="w3-bar w3-red w3-card w3-left-align w3-large">
    <a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
      onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
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    <a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
    <a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
    <a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
    <a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
    <a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
  </div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
  <h1 class="w3-margin w3-jumbo">Delete Appointment</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
  <div class="w3-content">

    <form action="/deleteAppointmentData" method="post">

      <label>ID<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>

  </div>
</div>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

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<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
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<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Delete Client</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/deleteClientUser" method="post">

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

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<!-- Navbar -->
<div class="w3-top">
  <div class="w3-bar w3-red w3-card w3-left-align w3-large">
    <a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
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    <a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
    <a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
    <a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
  </div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
  <h1 class="w3-margin w3-jumbo">Delete Orders</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
  <div class="w3-content">

    <form action="/deleteOrderData" method="post">

      <label>ID<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>

  
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>

</body>
</html>
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</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
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<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
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<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Delete Volunteer</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/deleteVolunteerUser" method="post">

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

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<style>
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.w3-bar,h1,button {font-family: "Montserrat", sans-serif}
.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
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<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Edit Admins</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form>

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" pattern="[0-9]{8}" required>
```

```
<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name">

<label><br>Phone Number<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="5879660788" name="phone" pattern="[0-9]{10}">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>

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</html>
```

```
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<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
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<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Edit Appointment</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form>

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<label>Time<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="15:30" name="time">

<label><br>Volunteer ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="vID"
pattern="[0-9]{8}">

<label><br>Client ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="10022755" name="cID"
pattern="[0-9]{8}">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Edit Client</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form>

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" pattern="[0-9]{8}" required>
```

```
<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name">

<label><br>Income<br></label>
<input style="width: 100%; padding: 10px" type="number" placeholder="0" min="0" name="income">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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.w3-bar,h1,button {font-family: "Montserrat", sans-serif}
.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
  <div class="w3-bar w3-red w3-card w3-left-align w3-large">
    <a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
      onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
    <a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
    <a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
    <a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
    <a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
    <a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
    <a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
  </div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
  <h1 class="w3-margin w3-jumbo">Edit Inventory</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
  <div class="w3-content">

    <form>
      <label>Barcode<br></label>
      <input style="width: 100%; padding: 10px" type="text" placeholder="Enter Barcode" name="barcode" required>
    </form>
  </div>
</div>
```

```
<label>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name">

<label>Quantity<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Quantity" name="quantity">

<label>Expiry Date<br></label>
<input style="width: 100%; padding: 10px" type="date" name="expDate">

<label>Foodbank Address<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Address" name="address">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
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<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
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<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Edit Volunteer</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form>

<label>ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" pattern="[0-9]{8}" required>
```

```
<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name">

<label><br>Phone Number<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="5879660788" name="phone" pattern="[0-9]{10}">

<label><br>Availability<br></label>
<input type="radio" name="availability" value="monday" checked> Monday &#160; &#160;
<input type="radio" name="availability" value="tuesday"> Tuesday &#160; &#160;
<input type="radio" name="availability" value="wednesday"> Wednesday &#160; &#160;
<input type="radio" name="availability" value="thursday"> Thursday &#160; &#160;
<input type="radio" name="availability" value="friday"> Friday &#160; &#160;

<label><br><br>Manager ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="manager" pattern="[0-9]{8}">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Update Funds</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/updateFundsData" method="post">

<label><br>New Fund Amount<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="100000" name="funds" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>
</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>

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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Admins</h1>
</header>

<!-- CREATE TABLE Account ( -->
    id          INTEGER PRIMARY KEY AUTOINCREMENT UNIQUE,
    name        TEXT NOT NULL,
    email       TEXT NOT NULL,
    username    TEXT NOT NULL,
    password    TEXT NOT NULL,
    accounttype INTEGER NOT NULL
) ;

CREATE TABLE Admin (
```

```
phonenumer TEXT,
accountid INTEGER PRIMARY KEY UNIQUE REFERENCES Account(id) ON UPDATE CASCADE ON
DELETE CASCADE
); -->

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

    <table width="100%" border="1" id="theTable">
        <tbody>
            <tr>
                <td width="15%>Admin ID</td>
                <td width="15%>Name</td>
                <td width="15%>Email</td>
                <td width="15%>Username</td>
                <td width="15%>Password</td>
                <td width="15%>Account Type</td>
                <td width="15%>Phone Number</td>
                <td width="15%>Acccount ID</td>
            </tr>
            <tr>
                {% for row in data %}
                <tr>
                    {% for d in row %}
                        <td>{{ d }}</td>
                    {% endfor %}
                </tr>
                {% endfor %}
                </tr>
            </tbody>
        </table>

    </div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Appointments</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">
<tbody>
<tr>
<td width="25%>Appointment ID</td>
<td width="25%>Date</td>
```

```
<td width="25%">>Volunteer ID</td>
<td width="25%">>Client ID</td>
</tr>
<tr>
{%
  for row in data %}
<tr>
{%
  for d in row %}
    <td>{{ d }}</td>
{%
  endfor %}
</tr>
{%
  endfor %}
</tr>
</tbody>
</table>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>

</body>
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Client</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">
<tbody>

<tr>
<td width="15%>Client ID</td>
```

```
<td width="15%">>Name</td>
<td width="15%">>Email</td>
<td width="15%">>Username</td>
<td width="15%">>Password</td>
<td width="15%">>AccountType</td>
    <td width="15%">>Income</td>
<td width="15%">>Account ID</td>
</tr>

        <tr>
{%
    for row in data %
}
<tr>
{%
    for d in row %
}
    <td>{{ d }}</td>
{%
    endfor %
}
</tr>
{%
    endfor %
}
</tr>
</tbody>
</table>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</div>

</body>
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<!-- Header -->
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<h1 class="w3-margin w3-jumbo">View Inventory</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">

<tbody>
<tr>
<td width="15%>Barcode</td>
```

```
<td width="15%">Food Name</td>
<td width="15%">Quantity</td>
<td width="16%">Expiry Date</td>
<td width="16%">Food store address</td>
</tr>
<tr>
{%
  for row in data %
}
<tr>
{%
  for d in row %
}
<td>{{ d }}</td>
{%
  endfor %
}
</tr>
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.fa-anchor,.fa-coffee {font-size:200px}
</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Statistics</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/genStatsVolunteer" method="post">
<label>Volunteer ID<br></label>
<input style="width: 100%; padding: 10px" type="text" value="3" name="Vid" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Generate Volunteer Statistics
</button>

</form>

<form action="/genStatsClient" method="post">
<br><br>
<label>Client ID<br></label>
<input style="width: 100%; padding: 10px" type="text" value="2" name="Cid" required>

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Generate Client Statistics
</button>

</form>

<form action="/genStatsAllClient" method="post">

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Generate statistics for all
clients with low income</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
<h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<title>SU Food Bank</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
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<style>
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<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Admins</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">
<tbody>
<tr>
<td width="100%>Number of appointments with low income clients</td>
</tr>
</tbody>
</table>
</div>
</div>
```

```
<tr>
{%
  for row in data %
<tr>
{%
  for d in row %
    <td>{{ d }}</td>
{%
  endfor %
</tr>
{%
  endfor %
</tr>
</tbody>
</table>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
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</style>
<body>

<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
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<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Admins</h1>
</header>

<!-- CREATE TABLE Account ( -->
    id          INTEGER PRIMARY KEY AUTOINCREMENT UNIQUE,
    name        TEXT NOT NULL,
    email       TEXT NOT NULL,
    username    TEXT NOT NULL,
    password    TEXT NOT NULL,
    accounttype INTEGER NOT NULL
) ;

CREATE TABLE Admin (
```

```
phonenumer TEXT,
accountid INTEGER PRIMARY KEY UNIQUE REFERENCES Account(id) ON UPDATE CASCADE ON
DELETE CASCADE
); -->

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

    <table width="100%" border="1" id="theTable">
        <tbody>
            <tr>
                <td width="100%">Number of Appointments Client has</td>
            </tr>
            <tr>
                {% for row in data %}
                <tr>
                    {% for d in row %}
                    <td>{{ d }}</td>
                    {% endfor %}
                </tr>
                {% endfor %}
                </tr>
            </tbody>
        </table>

    </div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
    University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

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<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Volunteer Statistics</h1>
</header>

<!-- CREATE TABLE Account ( >
    id          INTEGER PRIMARY KEY AUTOINCREMENT UNIQUE,
    name        TEXT NOT NULL,
    email       TEXT NOT NULL,
    username    TEXT NOT NULL,
    password    TEXT NOT NULL,
    accounttype INTEGER NOT NULL
) ;

CREATE TABLE Admin (
```

```
phonenumer TEXT,
accountid INTEGER PRIMARY KEY UNIQUE REFERENCES Account(id) ON UPDATE CASCADE ON
DELETE CASCADE
); -->

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

    <table width="100%" border="1" id="theTable">
        <tbody>
            <tr>
                <td width="100%">Number of Appointments Volunteer has</td>
            </tr>
            <tr>
                {% for row in data %}
                <tr>
                    {% for d in row %}
                    <td>{{ d }}</td>
                    {% endfor %}
                </tr>
                {% endfor %}
                </tr>
            </tbody>
        </table>

    </div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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</body>
</html>
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<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
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<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Volunteers</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">
<tbody>
<tr>
<td width="12%>Volunteer ID</td>
<td width="12%>Name</td>
<td width="12%>Email</td>
```

```
<td width="12%">>Username</td>
<td width="12%">>Password</td>
<td width="12%">>Account type</td>
<td width="12%">>Phone number</td>
<td width="12%">>Availability</td>
<td width="12%">>Account ID</td>
<td width="12%">>Manager ID</td>
</tr>
<tr>
{ % for row in data %}
<tr>
{ % for d in row %}
    <td>{{ d }}</td>
{ % endfor %}
</tr>
{ % endfor %}
</tr>
</tbody>
</table>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
    <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
    University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
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<!DOCTYPE html>
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<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Complete Order Request</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/finishOrder" method="post">

<label>Request ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>
</div>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
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<style>
body,h1,h2,h3,h4,h5,h6 {font-family: "Lato", sans-serif}
.w3-bar,h1,button {font-family: "Montserrat", sans-serif}
.fa-anchor,.fa-coffee {font-size:200px}

.button {
    display: inline-block;
    border-radius: 4px;
    background-color: #f4511e;
    border: none;
    color: #FFFFFF;
    text-align: center;
    font-size: 28px;
    padding: 20px;
    width: 32%;
    transition: all 0.5s;
    cursor: pointer;
    margin: 5px;
}
.button span {
    cursor: pointer;
    display: inline-block;
    position: relative;
    transition: 0.5s;
}
.button span:after {
    content: '\00bb';
    position: absolute;
    opacity: 0;
    top: 0;
    right: -20px;
    transition: 0.5s;
}
.button:hover span {
    padding-right: 25px;
}
.button:hover span:after {
    opacity: 1;
```

```
right: 0;
}

</style>
<body>

<!-- Navbar -->
<div class="w3-top">
  <div class="w3-bar w3-red w3-card w3-left-align w3-large">
    <a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);"
      onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
    <a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
    <a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
    <a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
    <a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
    <a href="#" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
    <a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
  </div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
  <h1 class="w3-margin w3-jumbo">Control Panel</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container" id="normal" hidden>

  <h1 align="center">Access Denied</h1>

</div>

<div class="w3-row-padding w3-padding-64 w3-container" id="admin">
  <div class="w3-content">

    <h1 align="center">Control Panel</h1>

    <a href="/addAdmin"><button class="button"><span>Add Admin</span></button></a>
    <!-- <a href="/editAdmin"><button class="button"><span>Edit Admin</span></button></a> -->
    <a href="/viewAdmin"><button class="button"><span>View Admin</span></button></a>
    <a href="/deleteAdmin"><button class="button"><span>Delete Admin</span></button></a>

    <a href="/addVolunteer"><button class="button"><span>Add Volunteer</span></button></a>
```

```
<!-- <a href="/editVolunteer"><button class="button"><span>Edit  
Volunteer</span></button></a> -->  
<a href="/viewVolunteer"><button class="button"><span>View Volunteer</span></button></a>  
<a href="/deleteVolunteer"><button class="button"><span>Delete Volunteer  
</span></button></a>  
  
<a href="/signup"><button class="button"><span>Add Client</span></button></a>  
<!-- <a href="/editClient"><button class="button"><span>Edit Client</span></button></a> -->  
<a href="/viewClient"><button class="button"><span>View Client</span></button></a>  
<a href="/deleteClient"><button class="button"><span>Delete Client</span></button></a>  
  
<a href="/reqform"><button class="button"><span>Add Order</span></button></a>  
<!-- <a href="/editOrder"><button class="button"><span>Edit Order</span></button></a> -->  
<a href="/viewOrder"><button class="button"><span>View Order</span></button></a>  
<a href="/deleteOrder"><button class="button"><span>Delete Order</span></button></a>  
  
<a href="/addAppointment"><button class="button"><span>Add Appointment</span></button></a>  
<!-- <a href="/editAppointment"><button class="button"><span>Edit  
Appointment</span></button></a> -->  
<a href="/viewAppointment"><button class="button"><span>View Appointment  
</span></button></a>  
<a href="/deleteAppointment"><button class="button"><span>Del Appointment  
</span></button></a>  
  
<a href="/addInventory"><button class="button"><span>Add Inventory</span></button></a>  
<!-- <a href="/editInventory"><button class="button"><span>Edit  
Inventory</span></button></a> -->  
<a href="/viewInventory"><button class="button"><span>View Inventory</span></button></a>  
<!-- <a href="/deleteInventory"><button class="button"><span>Delete  
Inventory</span></button></a> -->  
  
<a href="/addDonor"><button class="button"><span>Add Donor</span></button></a>  
<a href="/addSupplier"><button class="button"><span>Add Supplier</span></button></a>  
<a href="/updateFunds"><button class="button"><span>Update Funds</span></button></a>  
<a href="/viewStats"><button class="button"><span>View Statistics</span></button></a>  
<a href="/finishOrderPage"><button class="button"><span>Finish Order</span></button></a>  
  
</div>  
</div>  
  
<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">  
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500  
  University Drive NW<br>Canada AB</h1>  
</div>  
  
</body>
```

</html>

```
<!DOCTYPE html>
<html lang="en">
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<meta charset="UTF-8">
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<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);" onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="/" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Home</a>
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<a href="/admin" class="w3-bar-item w3-button w3-padding-large w3-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Complete Order Request</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/finishOrderForm" method="post">

<label>Request ID<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="30044533" name="id" required>
```

```
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>
</div>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
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</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Log In</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/loginAccount" method="post">

<label>Username<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Username" name="username" required>
```

```
<label><br>Password<br></label>
<input style="width: 100%; padding: 10px" type="password" placeholder="Enter Password"
name="password" required>

<label><br>User Type<br></label>
<input type="radio" name="user" value="client" required> Client &#160; &#160;
<input type="radio" name="user" value="volunteer" > Volunteer &#160; &#160;
<input type="radio" name="user" value="admin" > Admin &#160; &#160;
<br><br>
<button style="width: 100%; padding: 10px" type="submit">Log In</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
<h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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<a href="#" class="w3-bar-item w3-button w3-padding-large w3-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">Hamper Request Form</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<form action="/addreqform" method="post">

{%
if error %}
<p class="error"><strong>Error:</strong> {{ error }}</p>
{%
endif %}


```

```
<table width="100%" border="1" id="theTable">
  <tbody>
    <tr>
      <td width="6%>Family Size</td>
      <td width="6%>Max Fruits</td>
      <td width="6%>Max Vegetables</td>
      <td width="6%>Max Potato Bags</td>
      <td width="6%>Max Eggs</td>
      <td width="6%>Max Butter</td>
      <td width="6%>Max Ground Beef</td>
      <td width="6%>Max Whole Chicken</td>
      <td width="6%>Max Veggie Frozen</td>
      <td width="6%>Max Bread</td>
      <td width="6%>Max Canned Veggie</td>
      <td width="6%>Max Canned Fruit</td>
      <td width="6%>Max Canned Soup</td>
      <td width="6%>Max Canned Seafood</td>
      <td width="6%>Max Canned Meat</td>
    </tr>
    <tr>
      {%
        for row in data %
      <tr>
        {%
          for d in row %
            <td>{{ d }}</td>
        {%
          endfor %
        </tr>
      {%
        endfor %
      </tr>
    </tbody>
  </table>
<br><br>
<label>Enter the number of fresh fruits<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="freshfruit" min=0>

<label><br>Enter the number of whole vegetables (carrots, tomatoes, etc)<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="carrot" min=0>

<label><br>Enter the number of bags of potatoes<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="potato" min=0>

<label><br>Enter the number of cartons of eggs<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="eggs" min=0>

<label><br>Enter the number of sticks of butter<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="butt" min=0>

<label><br>Enter the pounds of ground beef<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="beef" min=0>

<label><br>Enter the number of whole chickens<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="chicken" min=0>
```

```
<label><br>Enter the pounds of frozen vegetables (peas, corn, etc)<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="frovege" min=0>

<label><br>Enter the loaves of bread<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="bread" min=0>

<label><br>Enter the number of canned vegetables<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="vege" min=0>

<label><br>Enter the number of canned fruits<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="fruit" min=0>

<label><br>Enter the number of canned soup<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="soup" min=0>

<label><br>Enter the number of canned seafood<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="cseafood" min=0>

<label><br>Enter the number of canned meats<br></label>
<input style="width: 100%; padding: 10px" type="number" value="0" name="cmeat" min=0>

<label><br>Enter a possible date and time for pickup<br></label>
<input style="width: 100%; padding: 10px" type="datetime-local" name="date" required>

<br><br>
<button style="width: 100%; padding: 10px" type="submit">Submit</button>

</form>

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
  <h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
  University Drive NW<br>Canada AB</h1>
</div>

</body>
</html>
```

```
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<!-- Navbar -->
<div class="w3-top">
  <div class="w3-bar w3-red w3-card w3-left-align w3-large">
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    <a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
  </div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
  <h1 class="w3-margin w3-jumbo">Sign Up </h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
  <div class="w3-content">
    <div class="w3-twothird">

      <form action="/register" method="post">

        <label>Username<br></label>
        <input style="width: 100%; padding: 10px" type="text" placeholder="Enter Username" name="username" required>

    
```

```
<label><br>Password</label>
<input style="width: 100%; padding: 10px" type="password" placeholder="Enter Password" name="password" required>

<label><br>E-mail</label>
<input style="width: 100%; padding: 10px" type="email" placeholder="example@ucalgary.ca" name="email" required>

<label><br>Name<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Enter Name" name="name" required>

<label><br>Income<br></label>
<input style="width: 100%; padding: 10px" type="number" placeholder="5000" min="0" name="income" required>

<label><br>Dietary Restriction<br></label>
<input type="checkbox" name="gluten" value="gluten"> Gluten &#160; &#160;
<input type="checkbox" name="halal" value="halal"> Nadhif &#160; &#160;
<input type="checkbox" name="kosher" value="kosher"> Kosher &#160; &#160;
<input type="checkbox" name="vegan" value="vegan"> Vegan &#160; &#160;
<input type="checkbox" name="peanut" value="peanut"> Peanut &#160; &#160;
<input type="checkbox" name="vegetarian" value="vegetarian"> Vegetarian &#160; &#160;

<label><br><br>Reason For Requiring Help<br></label>
<input style="width: 100%; padding: 10px" type="text" placeholder="Reason #1" name="reason1" required><br><br>
<input style="width: 100%; padding: 10px" type="text" placeholder="Reason #2" name="reason2" ><br><br>
<input style="width: 100%; padding: 10px" type="text" placeholder="Reason #3" name="reason3" ><br><br>

<label>Dependents<br></label>
<input style="width: 50%; padding: 10px" type="text" placeholder="Name #1" name="dname1" >
<input style="width: 49%; padding: 10px" type="text" placeholder="Relationship #1" name="relation1" ><br><br>
<input style="width: 50%; padding: 10px" type="text" placeholder="Name #2" name="dname2" >
<input style="width: 49%; padding: 10px" type="text" placeholder="Relationship #2" name="relation2" ><br><br>
<input style="width: 50%; padding: 10px" type="text" placeholder="Name #3" name="dname3" >
<input style="width: 49%; padding: 10px" type="text" placeholder="Relationship #3" name="relation3" ><br><br>

<button style="width: 100%; padding: 10px" type="submit" value="signup">Sign Up</button>

</form>

</div>
<div class="w3-third w3-center">
```

```

</div>
</div>

<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
<h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
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<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">View Orders</h1>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">

<table width="100%" border="1" id="theTable">
<tbody>
<tr>
<td width="6%>">Request ID</td>
<td width="6%>">Fruits</td>
<td width="6%>">Vegetables</td>
```

```
<td width="6%">>Potato Bags</td>
<td width="6%">>Eggs</td>
<td width="6%">>Butter</td>
<td width="6%">>Ground Beef</td>
<td width="6%">>Whole Chicken</td>
<td width="6%">>Veggie Frozen</td>
<td width="6%">>Bread</td>
<td width="6%">>Canned Veggie</td>
<td width="6%">>Canned Fruit</td>
<td width="6%">>Canned Soup</td>
<td width="6%">>Canned Seafood</td>
<td width="6%">>Canned Meat</td>
<td width="6%">>Client ID</td>
<td width="6%">>Volunteer Handler ID</td>
<td width="6%">>Pickup Date</td>
</tr>
<tr>
{%
  for row in data %
}
<tr>
{%
  for d in row %
}
  <td>{{ d }}</td>
{%
  endfor %
}
</tr>
{%
  endfor %
}
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<div class="w3-top">
<div class="w3-bar w3-red w3-card w3-left-align w3-large">
<a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right w3-padding-large w3-hover-white w3-large w3-red" href="javascript:void(0);" onclick="myFunction()" title="Toggle Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="#" class="w3-bar-item w3-button w3-padding-large w3-white">Home</a>
<a href="/login" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Log In/Log out</a>
<a href="/signup" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Sign Up</a>
<a href="/reqform" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Request Form</a>
<a href="/admin" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">Control Panel</a>
<a href="/viewOrder" class="w3-bar-item w3-button w3-hide-small w3-padding-large w3-hover-white">View Order</a>
</div>
</div>

<!-- Header -->
<header class="w3-container w3-red w3-center" style="padding:128px 16px">
<h1 class="w3-margin w3-jumbo">University of Calgary<br>SU Food Bank</h1>
<p class="w3-xlarge">Something Digitified Something</p>
<a href="/signup">
<button class="w3-button w3-black w3-padding-large w3-large w3-margin-top">Sign Up</button></a>
</header>

<!-- First Grid -->
<div class="w3-row-padding w3-padding-64 w3-container">
<div class="w3-content">
<div class="w3-twothird">
<h1>About</h1>
<h5 class="w3-padding-32">The SU Campus Food Bank, administered through SU Volunteer Services, provides a seven day emergency food relief service to the campus community.</h5>

```

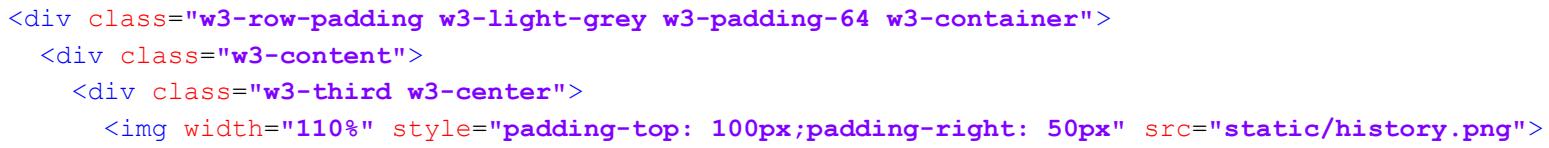
This relief is provided through nutritionally sound hampers in accordance with the Canada Food Guide along with information to clients regarding resources available on and off-campus.

```
</div>
```

```
<div class="w3-third w3-center">

</div>
</div>
</div>
```

```
<!-- Second Grid -->
```

```
<div class="w3-row-padding w3-light-grey w3-padding-64 w3-container">
<div class="w3-content">
<div class="w3-third w3-center">

</div>
</div>
```

```
<div class="w3-twothird">
<h1>History</h1>
<h5 class="w3-padding-32">In the summer of 1993, a group of students at the University of Calgary formed a Student Action Committee to tackle the perceived need students had for food assistance. At its inception, the SU Campus Food Bank acted as a depot for the Calgary Interfaith Food Bank. The Action Committee had no idea how many students needed or would access the service. During the first seven months, 60 student families were fed, this included 141 people.
```

The SU Campus Food Bank soon outgrew its role as a depot, and became part of the roster of services provided by the Students' Union. The SU Campus Food Bank is one of almost 51 food banks found on university and college campuses across Canada.

And now, we have taken it a step further and digitised our data records and request forms!

```
</h5>
</div>
</div>
</div>
```

```
<div class="w3-container w3-black w3-center w3-opacity w3-padding-64">
<h1 class="w3-margin w3-xlarge">403-220-6551<br>251 MacEwan Student Centre<br>2500
University Drive NW<br>Canada AB</h1>
</div>
```

```
</body>
</html>
```

```
from flask import Flask, render_template, request, redirect
import sqlite3
import datetime

app = Flask(__name__)

currentUser = 0
currentId=4
#where 1 = client, 2 = user, 3 = admin

@app.route('/')
def hello_world():
    return render_template('index.html')

@app.route('/admin')
def admin():
    global currentUser
    # if currentUser==3:
    #     return render_template('admin.html')
    # else:
    #     return render_template('index.html')

    return render_template('admin.html')

#####garbage

@app.route('/loginClient')
def loginClient():
    currentUser = 1
    return render_template('index.html')

#####

@app.route('/login')
def login():
    return render_template('login.html')

@app.route('/signup')
def signup():
    return render_template('signup.html')

@app.route('/reqform')
def reqform():

    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute("SELECT * FROM MaxRequests")
    results = c.fetchall()
```

```
return render_template('reqform.html', data=results)

@app.route('/loginAccount', methods=['POST'])
def loginAccount():
    # open connection
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    error=None
    # c.execute(
    #     "INSERT INTO Client (name, email, username, password, income) VALUES ('{name}', '{email}', '{username}', '{password}', '{income}')".format(
    #         name=request.form['name'],
    #         email=request.form['email'],
    #         username=request.form['username'],
    #         password=request.form['password'],
    #         income=request.form['income']))
    # t=(request.form['name'])
    # temp = (t,)
    # c.execute('SELECT * FROM Client WHERE name=?', temp)
    # key = c.fetchone()[0]

    if request.form['user'] == 'client':
        c.execute("SELECT * FROM Client")
        results = c.fetchall()
        print("checking clients")
        for x in results:
            if x[3] == request.form['username']:
                if x[4] == request.form['password']:
                    currentUser = 1
                    conn.commit()
                    conn.close()
                    print(currentUser)
                    return redirect('/')

    elif request.form['user'] == 'volunteer':
        c.execute("SELECT * FROM Volunteer")
        results = c.fetchall()

        for x in results:
            if x[4] == request.form['username']:
                if x[5] == request.form['password']:
                    currentUser = 2
                    conn.commit()
                    conn.close()
                    print(currentUser)
                    return redirect('/')

    elif request.form['user'] == 'admin':
        c.execute("SELECT * FROM Admin")
```

```
results = c.fetchall()

for x in results:
    if x[4] == request.form['username']:
        if x[5] == request.form['password']:
            currentUser = 3
            conn.commit()
            conn.close()
            print(currentUser)
            return redirect('/admin')

conn.commit()
conn.close()
return redirect('/login')

@app.route('/addreqform', methods=['POST'])
def addreqform():
    error=None
    currentUser=1
    if(currentUser==1):

        conn = sqlite3.connect('foodbank.db')
        c = conn.cursor()

        t = (currentId)
        temp = (t,)
        cursor = c.execute("SELECT * FROM Dependant WHERE clientid=?",temp)
        famSize = len(cursor.fetchall()) + 1
        print(famSize)

        t = (famSize)
        temp = (t,)
        print(temp)
        cursor = c.execute("SELECT * FROM MaxRequests WHERE famSize=?",temp)
        max = cursor.fetchone()
        print(max)
        max = list(max)
        max.pop(0)

        a=[]
        a.append(request.form['freshfruit']),
        a.append(request.form['carrot']),
        a.append(request.form['potato']),
        a.append(request.form['eggs']),
        a.append(request.form['butt']),
        a.append(request.form['beef']),
        a.append(request.form['chicken']),
        a.append(request.form['frogege']),
        a.append(request.form['bread']),
        a.append(request.form['vege']),
        a.append(request.form['fruit']),
```

```
a.append(request.form['soup']),
a.append(request.form['cseafood']),
a.append(request.form['cmeat']),
a=list(map(int,a))
print(a)
allSmaller = True
print(max)
for _ in range(len(max)):
    if (a[_]>max[_]):
        allSmaller = False
        break
print(allSmaller)
t = (request.form['date'])
date_time_obj = datetime.datetime.strptime(t, '%Y-%m-%dT%H:%M')
current = datetime.datetime.now() + datetime.timedelta(days=1)

c.execute("SELECT * FROM MaxRequests")
results = c.fetchall()

if (date_time_obj>current):
    print("OuterIf")
    if (allSmaller):
        c.execute(
            "INSERT INTO RequestForm (fruits, vegetables, potatoBags, eggs, butter,
groundBeef, wholeChicken, veggieFrozen, bread, cannedVeggie, cannedFruit,
cannedSoup, cannedSeafood, cannedMeat, clientid, date) VALUES
('{fruits}', '{vegetables}', '{potatoBags}', '{eggs}', '{butter}',
'{groundBeef}', '{wholeChicken}', '{veggieFrozen}', '{bread}',
'{cannedVeggie}', '{cannedFruit}', '{cannedSoup}', '{cannedSeafood}',
'{cannedMeat}', '{clientid}', '{date}').format(
            fruits=request.form['freshfruit'],
            vegetables=request.form['carrot'],
            potatoBags=request.form['potato'],
            eggs=request.form['eggs'],
            butter=request.form['butt'],
            groundBeef=request.form['beef'],
            wholeChicken=request.form['chicken'],
            veggieFrozen=request.form['frogege'],
            bread=request.form['bread'],
            cannedVeggie=request.form['vege'],
            cannedFruit=request.form['fruit'],
            cannedSoup=request.form['soup'],
            cannedSeafood=request.form['cseafood'],
            cannedMeat=request.form['cmeat'],
            clientid=currentId,
            date=request.form['date']))
    else:
        error = "Too much food requested for the client's current family size"
else:
    error = "Invalid date and time, please pick a future date and time."
conn.commit()
conn.close()
else:
```

```
        error = "You must be logged in as a client to access this page"
        return render_template('reqform.html',error=error,data=results)

@app.route('/addAppointmentData', methods=['POST'])
def addAppointmentData():
    error = None
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    volunteerExists = False
    clientExists=False
    t = (request.form['vID'])
    temp = (t,)
    for row in c.execute("SELECT * FROM Volunteer WHERE accountid=?",temp):
        volunteerExists=True
        break
    else:
        print("volunteer not found")

    t = (request.form['cID'])
    temp = (t,)
    for row in c.execute("SELECT * FROM Client WHERE accountid=?",temp):
        clientExists=True
        break
    else:
        print("client not found")

    t = (request.form['time'])
    print(t+" this is time from form")
    #https://stackabuse.com/converting-strings-to-datetime-in-python/
    date_time_obj = datetime.datetime.strptime(t, '%Y-%m-%dT%H:%M')
    current = datetime.datetime.now()+datetime.timedelta(days=1)

    #ensure that appointment times are at least 1 day away
    if (date_time_obj>current):
        if (volunteerExists and clientExists):
            c.execute(
                "INSERT INTO Appointment (time, clientid, volunteerid ) VALUES ('{time}', '{clientid}', '{volunteerid}')".format(
                    time=request.form['time'],
                    clientid=request.form['cID'],
                    volunteerid=request.form['vID']))
        else:
            error = "The requested Volunteer ID or Client ID does not exist."
    else:
        error = "Invalid date and time, please pick a future date and time."
    conn.commit()
    conn.close()
    return render_template('addAppointment.html',error=error)

@app.route('/addInventoryData', methods=['POST'])
def addInventoryData():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
```

```
c.execute(
    "INSERT INTO Foodstore (refcode, foodname, quantity, expirydate, address) VALUES
    ('{refcode}', '{foodname}', '{quantity}', '{expirydate}', '{address}')".format(
        refcode=request.form['refcode'],
        foodname=request.form['foodname'],
        quantity=request.form['quantity'],
        expirydate=request.form['expirydate'],
        address=request.form['address']))

conn.commit()
conn.close()
return redirect('/')

#client = 0, volunter = 1, admin = 2
#done
@app.route('/register', methods=['POST'])
def addClientUser():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute(
        "INSERT INTO Account (name, email, username, password, accounttype) VALUES
        ('{name}', '{email}', '{username}', '{password}', '{accounttype}')".format(
            name=request.form['name'],
            email=request.form['email'],
            username=request.form['username'],
            password=request.form['password'],
            accounttype=0))

    account_id = c.lastrowid
    c.execute(
        "INSERT INTO Client (income,accountid) VALUES ('{income}', '{accountid}')".format(
            income=request.form['income'],
            accountid=account_id))

    #name=request.form['dname1']

    for _ in range(1,4):
        varname = 'dname'+str(_)
        relname = 'relation'+str(_)
        name=request.form[varname]
        if (name!=''):
            c.execute(
                "INSERT INTO Dependant (clientid,name,relationship) VALUES
                ('{clientid}', '{name}', '{relationship}')".format(
                    clientid=account_id,
                    name=request.form[varname],
                    relationship=request.form[relname]))
        reasonname = 'reason'+str(_)
        reasonvar=request.form[reasonname]
        if (reasonvar!=''):
            c.execute(
```

```
"INSERT INTO Reasons (clientid,reason) VALUES ('{clientid}', '{reason}')".format(
    clientid=account_id,
    reason=request.form[reasonname]))"

conn.commit()
conn.close()
return redirect('/')

#done
@app.route('/addAdminUser', methods=['POST'])
def addAdminUser():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute(
        "INSERT INTO Account (name, email, username, password, accounttype) VALUES
        ('{name}', '{email}', '{username}', '{password}', '{accounttype}')".format(
            name=request.form['name'],
            email=request.form['email'],
            username=request.form['username'],
            password=request.form['password'],
            accounttype=2))
    account_id = c.lastrowid
    c.execute(
        "INSERT INTO Admin (phonenumber,accountid) VALUES ('{phonenumber}', '{accountid}')".
        format(
            phonenumber=request.form['phone'],
            accountid=account_id))

    conn.commit()
    conn.close()
    return redirect('/admin')

#done
@app.route('/addVolunteerUser', methods=['POST'])
def addVolunteerUser():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    t = (request.form['mID'])
    temp = (t,)
    #https://stackoverflow.com/questions/30041983/check-if-a-row-exists-in-sqlite3?rq=1
    for row in c.execute("SELECT * FROM Account WHERE id=?",temp):
        c.execute(
            "INSERT INTO Account (name, email, username, password, accounttype) VALUES
            ('{name}', '{email}', '{username}', '{password}', '{accounttype}')".format(
                name=request.form['name'],
                email=request.form['email'],
                username=request.form['username'],
                password=request.form['password'],
                accounttype=1))
    account_id = c.lastrowid
    c.execute(
```

```
"INSERT INTO Volunteer (phononenumber,availability,accountid,managerid) VALUES  
('{phononenumber}', '{availability}', '{accountid}', '{managerid}')".format(  
    phononenumber=request.form['phone'],  
    availability=request.form['availability'],  
    accountid=account_id,  
    managerid=request.form['mID']))  
break  
else:  
    print("not found")  
  
conn.commit()  
conn.close()  
return redirect('/admin')  
  
@app.route('/addAdmin')  
def addAdmin():  
    return render_template('addAdmin.html')  

```

```
"INSERT INTO Supplier (name,phonenumer, email) VALUES
('{name}', '{phonenumer}', '{email}')".format(
    name=request.form['name'],
    phonenumer=request.form['phonenumer'],
    email=request.form['email']))

conn.commit()
conn.close()

return redirect('/admin')

@app.route('/updateFundsData', methods=['POST'])
def updateFundsData():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    address = "251 MacEwan Student Centre 2500 University Drive NW Calgary"
    c.execute("UPDATE Foodbank SET funds = ? WHERE address = ?", (request.form['funds'],address))

    conn.commit()
    conn.close()
    return redirect('/admin')

@app.route('/updateFunds')
def updateFunds():
    return render_template('updateFunds.html')

@app.route('/addInventory')
def addInventory():
    return render_template('addInventory.html')

@app.route('/addSupplier')
def addSupplier():
    return render_template('addSupplier.html')

@app.route('/addVolunteer')
def addVolunteer():
    return render_template('addVolunteer.html')

#done but add page
@app.route('/addFoodBankData')
def addFoodBankData():

    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute(
        "INSERT INTO Foodbank (address,phonenumer, email, hours, funds) VALUES
        ('{address}', '{phonenumer}', '{email}', '{hours}', '{funds}')".format(
            address=request.form['address'],
            phonenumer=request.form['phonenumer'],
            email=request.form['email'],
            hours=request.form['hours'],
            funds=request.form['funds']))
```

```
email=request.form['email'],
hours=request.form['funds']))  
  
conn.commit()  
conn.close()  
return redirect('/admin')  
  
@app.route('/addFoodBank')  
def addFoodBank():  
    return render_template('addFoodBank.html')  
  
@app.route('/viewAdmin')  
def viewAdmin():  
    results = []  
    conn = sqlite3.connect('foodbank.db')  
    c = conn.cursor()  
  
    c.execute("SELECT * FROM Account INNER JOIN Admin ON Account.id=Admin.accountid")  
  
    results = c.fetchall()  
    print(results)  
  
    return render_template('viewAdmin.html', data=results)  
  
@app.route('/viewVolunteer')  
def viewVolunteer():  
    results = []  
    conn = sqlite3.connect('foodbank.db')  
    c = conn.cursor()  
  
    c.execute("SELECT * FROM Account INNER JOIN Volunteer ON Account.id=Volunteer.accountid")  
    results = c.fetchall()  
    print(results)  
    return render_template('viewVolunteer.html', data=results)  
  
#done  
@app.route('/viewClient')  
def viewClient():  
    results = []  
    conn = sqlite3.connect('foodbank.db')  
    c = conn.cursor()  
  
    c.execute("SELECT * FROM Account INNER JOIN Client ON Account.id=Client.accountid")  
    results = c.fetchall()  
    print(results)  
    return render_template('viewClient.html', data=results)  
  
@app.route('/viewAppointment')  
def viewAppointment():  
    results = []  
    conn = sqlite3.connect('foodbank.db')  
    c = conn.cursor()
```

```
c.execute("SELECT * FROM Appointment")
results = c.fetchall()
print(results)
return render_template('viewAppointment.html', data=results)

@app.route('/viewInventory')
def viewInventory():
    results = []
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute("SELECT * FROM Foodstore")
    results = c.fetchall()
    print(results)

    return render_template('viewInventory.html', data=results)

@app.route('/viewOrder')
def viewOrder():
    #if currentUser==2 or currentUser==3:

        results = []
        conn = sqlite3.connect('foodbank.db')
        c = conn.cursor()

        c.execute("SELECT * FROM RequestForm")
        results = c.fetchall()
        print(results)

        return render_template('viewOrder.html', data=results)
    #else:
    #    return redirect('/')

@app.route('/deleteAdminUser', methods=['POST'])
def deleteAdminUser():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    t = (request.form['id'])
    temp = (t,)
    c.execute("DELETE FROM Account WHERE id=?", temp)

    conn.commit()
    conn.close()
    return redirect('/viewAdmin')

@app.route('/deleteVolunteerUser', methods=['POST'])
def deleteVolunteerUser():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    t = (request.form['id'])
```

```
temp = (t,)
c.execute("DELETE FROM Account WHERE id=?", temp)

conn.commit()
conn.close()
return redirect('/viewVolunteer')

@app.route('/deleteClientUser', methods=['POST'])
def deleteClientUser():
    conn = sqlite3.connect('foodbank.db')
    conn.execute("PRAGMA foreign_keys = ON")
    c = conn.cursor()
    t = (request.form['id'])
    temp = (t,)
    c.execute("DELETE FROM Account WHERE id=?", temp)

    conn.commit()
    conn.close()
    return redirect('/viewClient')

@app.route('/deleteOrderData', methods=['POST'])
def deleteOrderData():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    t = (request.form['id'])
    temp = (t,)
    c.execute("DELETE FROM RequestForm WHERE id=?", temp)

    conn.commit()
    conn.close()
    return redirect('/viewOrder')

@app.route('/deleteAppointmentData', methods=['POST'])
def deleteAppointmentData():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()
    t = (request.form['id'])
    temp = (t,)
    c.execute("DELETE FROM Appointment WHERE id=?", temp)

    conn.commit()
    conn.close()
    return redirect('/viewAppointment')

@app.route('/deleteAdmin')
def deleteAdmin():
    return render_template('deleteAdmin.html')

@app.route('/deleteVolunteer')
def deleteVolunteer():
    return render_template('deleteVolunteer.html')

@app.route('/deleteClient')
```

```
def deleteClient():
    return render_template('deleteClient.html')

@app.route('/deleteOrder')
def deleteOrder():
    return render_template('deleteOrder.html')

@app.route('/deleteAppointment')
def deleteAppointment():
    return render_template('deleteAppointment.html')

@app.route('/deleteInventory')
def deleteInventory():
    return render_template('deleteInventory.html')

@app.route('/finishOrderPage')
def finishOrderPage():
    return render_template('finishOrderPage.html')

@app.route('/finishOrder', methods=['POST'])
def finishOrder():

    return redirect('/')

@app.route('/viewStats')
def viewStats():
    return render_template('viewStats.html')

@app.route('/genStatsVolunteer', methods=['POST'])
def genStatsVolunteer():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute("SELECT COUNT(id) FROM Appointment WHERE ? = volunteerid", (request.form['Vid']))
    results = c.fetchall()

    return render_template('viewStatsVolunteer.html', data = results)

@app.route('/genStatsClient', methods=['POST'])
def genStatsClient():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute("SELECT COUNT(id) FROM Appointment WHERE ? IN (SELECT accountid FROM Client)", (
        request.form['Cid']))
    results = c.fetchall()

    return render_template('viewStatsClient.html', data = results)
```

```
@app.route('/genStatsAllClient', methods=['POST'])
def genStatsAllClient():
    conn = sqlite3.connect('foodbank.db')
    c = conn.cursor()

    c.execute("SELECT COUNT(id) FROM Appointment WHERE clientid IN (SELECT accountid FROM Client WHERE income <= 10000)")
    results = c.fetchall()

    return render_template('viewStatsAllClient.html', data = results)
```