

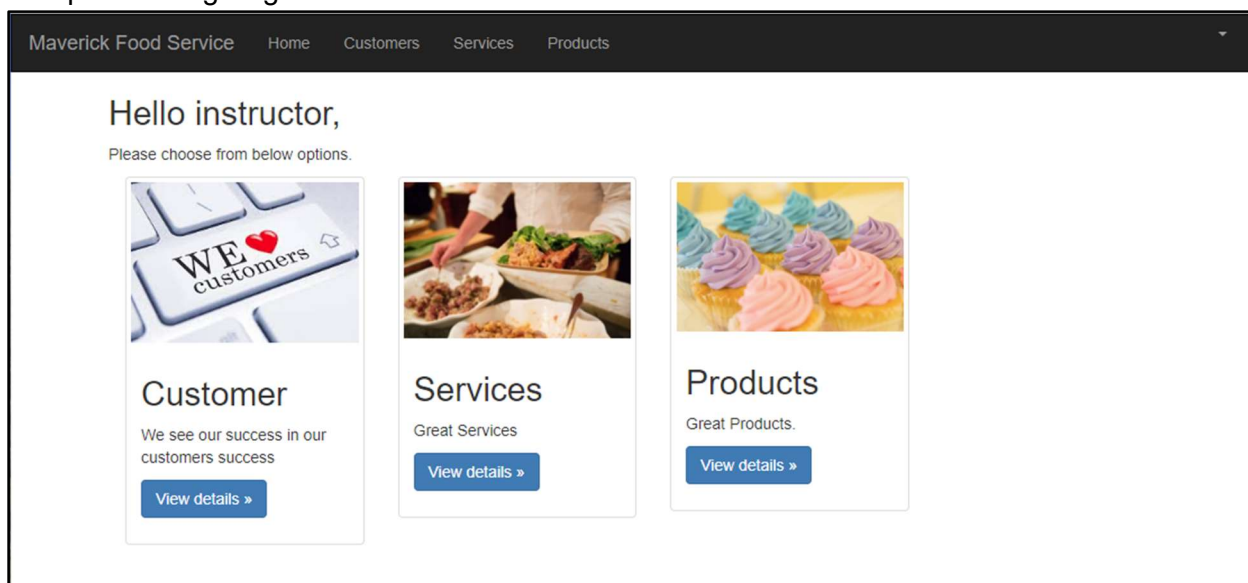
Maverick Food Services (MFS):

MFS is a fictitious organization which provides food services in a campus setting. The catering manager for the food services organization needs to keep track of customers in order to grow their profits by marketing to these customers and their colleagues. Some type of a database is needed to track customers and the products and services they acquire over time. This type of system is often called a customer information database or a customer relationship management database or CRM for short. In this assignment, you will build a CRM for the Maverick Food services organization. The application shell is provided which initiates the application but the remaining functionality must be implemented and deployed to PythonAnywhere.

Sections 1-8 take you through developing part of the application and are included in a separate document. After completing Sections 1 – 8, complete sections 9 and 10 to add functionality to the application.

Section 1 - Tour of the application you will be developing for Assignment 2

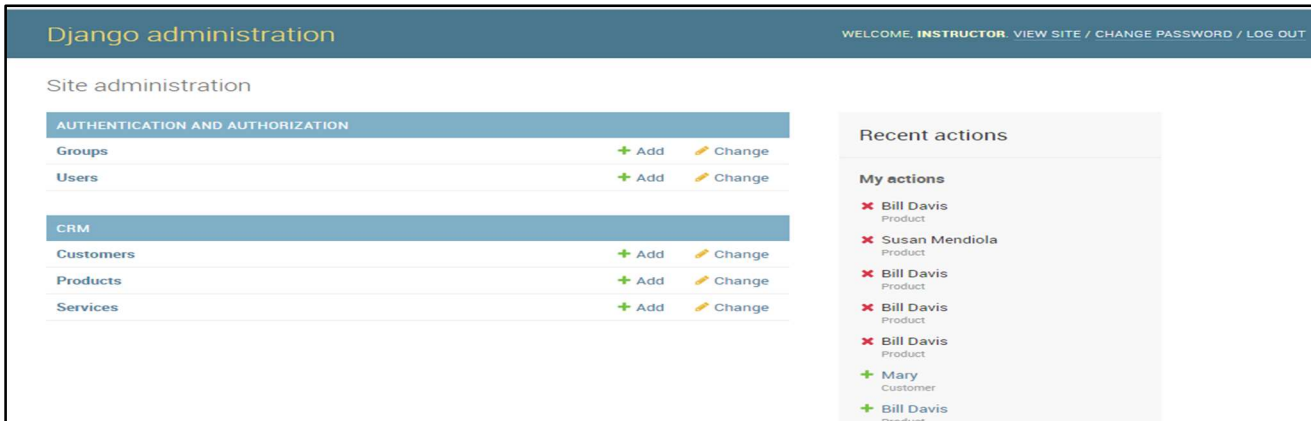
Sample Landing Page for the Maverick Food Service CRM



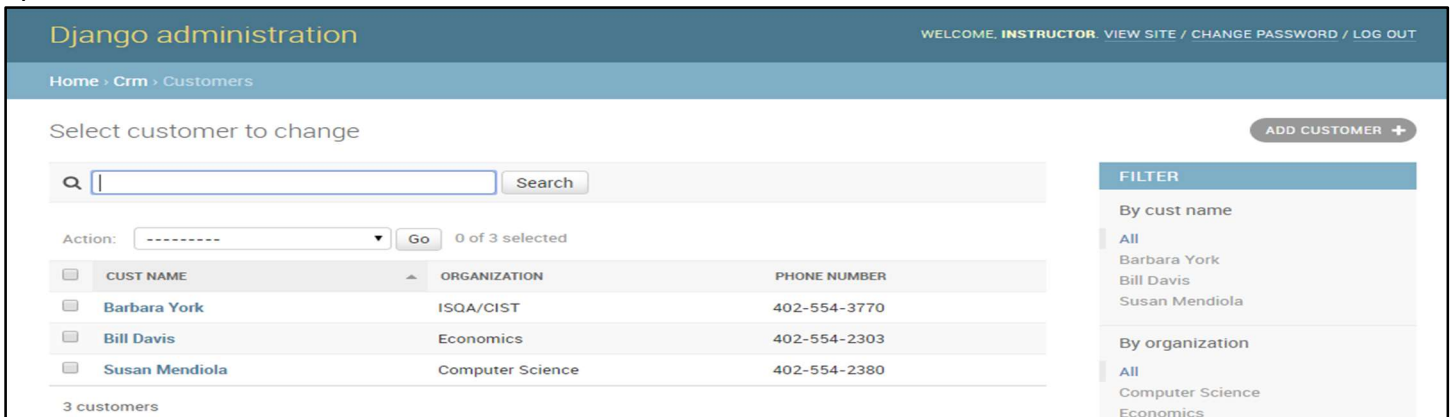
There are two roles in this sample application:

- The administrators
 - have access to the information for all customers, services and products.
 - can add, update and delete customers, services and products
 - have access to the Admin section of Django to set up new employee accounts.
- Employees can:
 - Add, update, and delete Customers
 - Add, update, and delete Products and Services for each customer

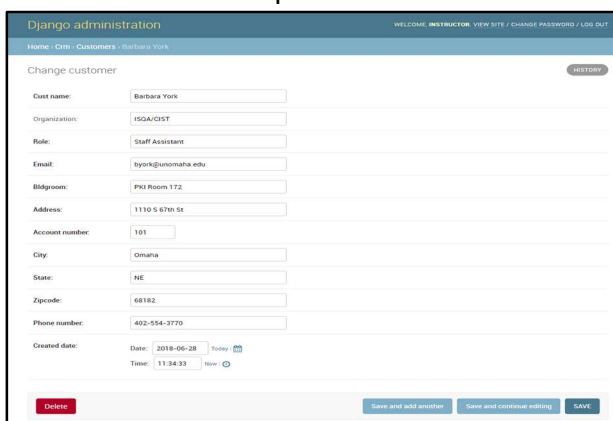
Below you see the Admin panel of the application available to administrators. As you learned in the blog assignment, you add “/admin” to the URL to access it.



The Blog assignment showed the Groups and Users in the admin panel. In this application, a given customer can acquire many services and products. Below is a view of the customers page showing the ability to add, update, and delete customers:



Here is an edit and update of one of the records:



Note the history. This points out the logging capabilities provided by Django.

Below you find a list of the service transaction in the Service Table.

Django administration

WELCOME, INSTRUCTOR. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Crm > Services

Select service to change

ADD SERVICE +

Q

Search

Action:

 Go 0 of 3 selected

<input type="checkbox"/>	CUST NAME	SERVICE CATEGORY	SETUP TIME
<input type="checkbox"/>	Barbara York	Food Prep/Delivery	July 13, 2018, 6:26 p.m.
<input type="checkbox"/>	Susan Mendiola	Food Prep/Catering	Dec. 11, 2018, 4 p.m.
<input type="checkbox"/>	Bill Davis	Food Prep/Delivery	July 13, 2018, 10:11 a.m.

3 services

FILTER

By cust name

All

Barbara York

Susan Mendiola

Bill Davis

By setup time

Any date

Today

Past 7 days

This month

As with the customers, you can add, update and delete services for each customer.

Change service

HISTORY

Cust name: Susan Mendiola

Service category: Food Prep/Catering

Description: Capstone Dinner for Master MIS Program - 40 attendees. Setup, Serve and Cleanup Dinner will be server at 6 PM, 12/11/2018

Location: PKI Room 158

Setup time: Date: 2018-12-11 Today Time: 16:00:00 Now

Cleanup time: Date: 2018-12-11 Today Time: 21:07:31 Now

Service charge: 650.00

Created date: Date: 2018-07-14 Today Time: 14:07:31 Now

Next we have the page listing of the products purchased by the Maverick Food Service customers.

Django administration

WELCOME, INSTRUCTOR. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Crm > Products

Select product to change

ADD PRODUCT +

Q

Search

Action:

 Go 0 of 3 selected

<input type="checkbox"/>	CUST NAME	PRODUCT	PICKUP TIME
<input type="checkbox"/>	Barbara York	Sheet Cake	July 5, 2018, 12:10 p.m.
<input type="checkbox"/>	Susan Mendiola	Product Sheet Cake Helium filled Rubber Balloons Box Lunch - Turkey on Wheat	July 14, 2018, 1:38 p.m.
<input type="checkbox"/>	Bill Davis	Helium filled Rubber Balloons	July 16, 2018, 12:50 p.m.

3 products

FILTER

By cust name

All

Barbara York

Susan Mendiola

Bill Davis

By pickup time

Any date

Today

Past 7 days

This month

As with Services you can click on a Product and edit or delete the products.

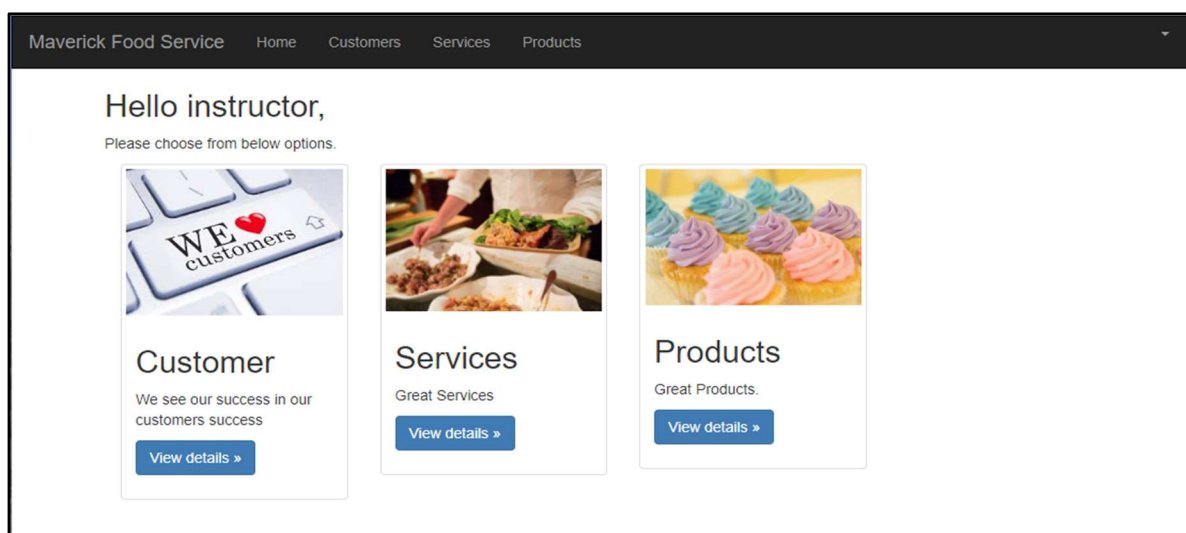
The screens shown below show what may be accessed by any employee of Maverick Food Service. In this scenario, we will assume that employees are provided their ID and PW by the administrator.

To sign in, the employee would click the login button after entering their ID and PW:



The login form is located within a dark header bar. It contains two input fields: 'Username*' with the text 'Instructor' and 'Password*' with masked characters. A 'login' button is positioned below the password field.

After successfully signing in using the ID and PW provided by the administrator, the employee will see the landing page below:

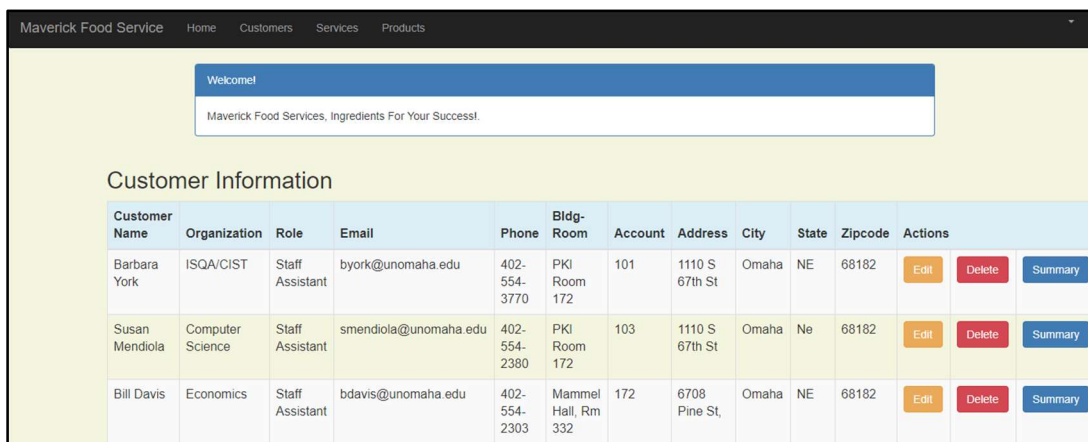


The landing page features a dark header with navigation links: 'Maverick Food Service', 'Home', 'Customers', 'Services', and 'Products'. The main content area greets the user with 'Hello instructor,' and 'Please choose from below options.' It displays three cards: 'Customer' (with a keyboard image and text 'WE ♥ customers'), 'Services' (with a food image), and 'Products' (with a cupcake image). Each card includes a 'View details »' button.

No other features such as “forgot your password” are in the assignment. This feature can be added to earn extra credit.

Employees can view a list of customers and update customer information with a page similar to the one shown below.

Customer Screen



The 'Customer Information' table is presented within a dark header. It includes a welcome message and a table with columns for Customer Name, Organization, Role, Email, Phone, Bldg-Room, Account, Address, City, State, Zipcode, and Actions. The Actions column contains 'Edit', 'Delete', and 'Summary' buttons for each customer entry.

Customer Name	Organization	Role	Email	Phone	Bldg-Room	Account	Address	City	State	Zipcode	Actions
Barbara York	ISQA/CIST	Staff Assistant	byork@unomaha.edu	402-554-3770	PKI Room 172	101	1110 S 67th St	Omaha	NE	68182	Edit Delete Summary
Susan Mendiola	Computer Science	Staff Assistant	smendiola@unomaha.edu	402-554-2380	PKI Room 172	103	1110 S 67th St	Omaha	Ne	68182	Edit Delete Summary
Bill Davis	Economics	Staff Assistant	bdavis@unomaha.edu	402-554-2303	Mammel Hall, Rm 332	172	6708 Pine St,	Omaha	NE	68182	Edit Delete Summary

Customer Edit - Employees can edit customer information with the screen shown below:

← → ↻ 127.0.0.1:8000/customer/1/edit/

Maverick Food Service Home Customers Services Products

Edit Customer

Cust name*

Organization

Role*

Bldgroom*

Account number*

Address*

City*

State*

Zipcode*

Email*

The Customer delete button brings up a warning. **NOTE: Since we are using the CASCADE option when setting up the model in Django, deleting a customer will also delete all information in services and products associated with that customer.**

Customer delete:

127.0.0.1:8000 says
Are you sure you want to delete?

Customer Information

Customer Name	Organization	Role	Email	Phone	Bldg-Room	Account	Address	City	State	Zipcode	Actions
Barbara York	ISQA/CIST	Staff Assistant	byork@unomaha.edu	402-554-3770	PKI Room 172	101	1110 S 67th St	Omaha	NE	68182	<input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Summary"/>
Susan Mendiola	Computer Science	Staff Assistant	smendiola@unomaha.edu	402-554-2380	PKI Room 172	103	1110 S 67th St	Omaha	Ne	68182	<input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Summary"/>
Bill Davis	Economics	Staff Assistant	bdavis@unomaha.edu	402-554-2393	Mammel Hall, Rm 332	172	6708 Pine St.	Omaha	NE	68182	<input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Summary"/>

Welcome!

Maverick Food services, Ingredients For Your Success!

Customer Summary for Barbara York

Total of Service Charges and Product Charges = \$1,180.00

Services Information

Service Category	Description	Location	Setup Time	Cleanup Time	Service Charge
Food Prep/Delivery	Capstone Dinner for Master MIS Program - 40 attendees, setup, service and cleanup Dinner will be served at 6pm 12/15/2020	PKI 158	Dec. 15, 2020, 6 p.m.	Dec. 15, 2020, 8 p.m.	\$650.00
Food Prep/Delivery	Breakfast for summer class - 45 attendees	PKI 279	Oct. 12, 2020, 9 a.m.	Oct. 12, 2020, 11:30 a.m.	\$450.00

Total of Service Charges

\$1,100.00

Product	Description	Quantity	Pickup Time	Total Charge
Sheet Cake	Full Sheet Cake with wording: Congratulations Harvey Smith on Your Retirement! Barbara York will send a student assistant to pick up at Scott Cafe in PKI. Please have it wrapped for travel.	1	Oct. 6, 2020, 11:15 a.m.	\$80.00

Total of Product Charges

\$80.00

Report - The summary function is a report of all services and products acquired by a customer. This is discussed at the end of the tutorial.

According to the report above, Barbara York has ordered \$1,180 services and products from MFS for her department.

Service List:

The service list screen allows employees of MFS (Maverick Food Service) to add services provided to customers, including those working for the university and external parties, requiring food services for events they are hosting in a UNO building. This page allows for adding a new service provided, editing the information, and deleting a service provided. Sample customer, services, and products shown.

Products

Welcome!

Maverick Food services. Ingredients For Your Success!

Services Information

Customer	Service Category	Description	Location	Setup Time	Cleanup Time	Service Charge	Actions
Barbara York	Food Prep/Delivery	Breakfast for summer class - 45 attendees	PKJ 279	July 13, 2018, 6:26 p.m.	July 13, 2018, 6:26 p.m.	450.00	Edit Delete
Barbara York	Food Prep/Catering	Capstone Dinner for Master MIS Program - 40 attendees. Setup, Serve and Cleanup Dinner will be server at 6 PM, 12/11/2018	PKJ Room 156	Dec. 11, 2018, 4 p.m.	Dec. 11, 2018, 9:07 p.m.	650.00	Edit Delete
Bill Davis	Food Prep/Delivery	Sandwich Lunch and Beverages - 30	Mammel Rm 240	July 13, 2018, 10:11 a.m.	July 14, 2018, 2:11 p.m.	240.00	Edit Delete
Susan Mendiola	Food Prep/Delivery	Italian Pasta Lunch for 35 attendees	PKJ 269	July 15, 2018, 11:39 a.m.	July 15, 2018, 11:39 a.m.	525.00	Edit Delete
Bill Davis	Food Prep/Catering	Executive MBA Graduation Dinner - 50 students	Mammel Rm 240	Dec. 11, 2018, 4:30 p.m.	Dec. 11, 2018, 8:40 p.m.	525.00	Edit Delete

Add Service

Clicking 'Add Service', brings up the following screen:

Add a New Service

Cust name*

Service category*

Description*

Location*

Setup time*

Cleanup time*

Service charge*

Save

Editing an existing record in a similar manner.

Edit Service

Cust name*

Barbara York

Service category*

Food Prep/Delivery

Description*

Breakfast for summer class - 45 attendees

Location*

PKI 279

Setup time*

2018-07-13 18:26:03

Cleanup time*

2018-07-13 18:26:03

Service charge*

450.00

Update

Deleting a service presents a warning, but only a single service record is deleted. The customer is not deleted.

127.0.0.1:8000 says
Are you sure you want to delete?

OKCancel

Welcome!
Maverick Food s

Services Information

Customer	Service Category	Description	Location	Setup Time	Cleanup Time	Service Charge	Actions
Barbara York	Food Prep/Delivery	Breakfast for summer class - 45 attendees	PKI 279	July 13, 2018, 6:26	July 13, 2018, 6:26 p.m.	450.00	<div>EditDelete</div>

Products:

All employees may add, update and delete products sold to customers using screens shown below:

Product List

Maverick Food services, Ingredients For Your Success!							
Product Information							
Customer	Product	Description	Quantity	Pickup Time	Charge	Actions	
Barbara York	Sheet Cake	Full Sheet Cake with wording: Congratulations Harvey Smith on Your Retirement!! Barbara will send a student assistant to pick up at Scott Cafe in PKD. Please have it wrapped for travel	1	July 5, 2018, 12:10 p.m.	80.00	Edit	Delete
Bill Davis	Medium Round Rubber Ballroom	Red and Black Medium Rubber Ballroom with separate weights, abscond and with pickup	10	July 18, 2018, 12:10 p.m.	30.00	Edit	Delete
Robert Anderson	Product Sheet Cake Medium Round Rubber Ballroom Box Lunch - Turkey on White	Box Lunch - Turkey on White, Apple or Orange and Cakes	10	July 18, 2018, 12:10 p.m.	70.00	Edit	Delete

Add a new product

Add a New Product

Customer*

Product*

Description*

Quantity*

Pickup Time*

Charge*

Save

Edit a Product

Edit Product

Customer*

Product*

Description*

Quantity*

Pickup Time*

Charge*

Cancel

Delete product works same as delete service

127.0.0.1:8000 says
Are you sure you want to delete?

OK

Cancel

Product Information							
Customer	Product	Description	Quantity	Pickup Time	Charge	Actions	
Barbara York	Sheet Cake	Full Sheet Cake with wording: Congratulations Harvey Smith on Your Retirement!! Barbara will send a student assistant to pick up at Scott Cafe in PKD. Please have it wrapped for travel	1	July 5, 2018, 12:10 p.m.	80.00	Edit	Delete

