Sheri's Shaved Ice Inventory Management System

Ezekiel Bates – CSC

Jace Medlin – CSC/CIS

Matthew Brunner -

The project was created out of a need by Aaron Bradshaw who wanted to be able to more easily manage the inventory and past purchases for his company, Sheri’s Shaved Ice. He was originally keeping track of his inventory and past purchases by hand, so we proposed creating a web application to solve the problem. A web app was the ideal solution, since it would allow him to monitor his inventory or add purchases from anywhere that he could connect to the internet. Because we’re all familiar with Python, we decided on a Django-based back-end, noting its out-of-the-box security and potential for scalability. Using this, we created a CRUD system (Create, Update, Read, and Delete) that allows managing his current inventory items as well as his past purchases. For the database we chose to use PostgreSQL using the model system provided by Django, which we decided on it because it’s fast, modern, and we wanted a minor challenge (Postgres is new to all of us). Our JavaScript stack includes jQuery and Vue.js as to ease production allowing us to more easily make sure the correct data was being sent to the back-end for processing. In the end, we feel our solution will make it easier for our client, Aaron Bradshaw, to manage his inventory and past purchases by making them more organized and simpler to access with the scalability to allow potential integration of a Point-of-Sale system in the future.