

Members: Leslie Minor, Paul Givens

Title: Sales Data Aggregator

Description: Parses heterogenous sales data from flat files using business logic stored in a relational database and generates an export file for downstream data consumers. [STRETCH GOAL]: A simple web form will allow non-technical users to modify import formats on the fly.

Platform/Environment: Python, SQLAlchemy (STRETCH: flask.py) || MongoDB

Languages:

Language	Leslie	Paul
Python	Intermediate	Intermediate
SQLAlchemy	Beginner	Beginner
SQLite3	Beginner	Beginner
Flask	Beginner	Beginner

Functionality:

Sales files are received for different franchises. These sales files vary in format, with either static locations for needed information (tender type, sales total, etc.), or requiring parsing based on key words. The end goal is to be able to process a week's worth of sales for various locations and produce a file with specific formatting that can be accepted by the accounting software.

For example, there are two existing franchises, Franchise A and Franchise B. Franchise A has 3 locations, with minor differences in the sales files. Franchise B only has one location. The configuration will be stored in the database, so when it is said to import sales for the week ending 2/22, no further user input will be necessary and the desired import files will be produced, one for each location.