**Mini Project**

**Overview –**

Your client has launched a pop-up café in a busy business district. They are offering home-made lunches and refreshments to the surrounding offices. As such, they require a software application which helps them to log and track orders.

**Method of Development**

Each week will cover some of the requirements and look to you to build an app to meet them.

We will be covering a little part of it each week based on what you have just learned.

And each week will build on top of the work you have already done.

The project is made up of 6 Sprints based on the functionality the client wishes you to implement

You will be allotted enough time each week to work on your project.

Your instructor will brief you on the requirements and goals each week.

You should each produce your own app, however pairing up with a colleague is encouraged.

Your app will assessed each week by a variety of methods (Self-Assessment, Peer Assessment, Instructor Assessment)

At the end you will be expected to present your finished app to a friendly panel for review.

Available Time: 6 Weeks

**Requirements**

As a business:

- I want to maintain a collection of `products` and `couriers`.

- When a customer makes a new `order`, I need to create this on the system.

- I need to be able to update the status of an `order` i.e: `preparing`, `out-for-delivery`, `delivered`.

- When I exit my app, I need all data to be persisted and not lost.

- When I start my app, I need to load all persisted data.

- I need to be sure my app has been tested and proven to work well.

- I need to receive regular software updates.

**Technical Specifications**

**User Interface**

You will be building a program that runs on the command line (CLI).

- UI should be logical, clear, and simple to navigate.

- It should display a menu of options; some may be nested.

- There should be the option to exit / return to main menu.

- It should handle invalid input.

**Data Persistence**

Initially the data does not need to be persisted, but should be stored in a relevant data structure

But over the coming weeks you will incrementally adopt three methods to persist data between user sessions:

- `txt`: Initially we'll store our data in plaintext files.

- `csv`: As our data changes shape, we'll need to switch to the CSV format.

- `SQL`: Ultimately, we'll finish up using a database.

**Testing**

Python has some basic testing functionality built-in which we'll use to test the quality of our code. This will allow us to be confident that our app works as we intended it to.