

I aim to create a web page that will be an online shopping portal with a backend database, to keep track of products and customers as well as customer accounts. There will only be 2 types of users, clients, and an administrator. The administrator will source and load products. The business is localized in a small town and will only be servicing clientele in the local community for now. Stock is also only purchased for existing orders, so a stock management system is not needed. That is one of the reasons that phone in and WhatsApp orders are still being received, but this platform will assist with transitioning existing clients to online orders.

The website will display products sourced by the 'buyer' and will have a cart functionality. On checkout an invoice will be generated. Later, a payment option might be added. There will only be two types of users, the administrator or 'buyer' and then the customers. The admin will be able to add, remove and alter products and clients. The customers will be able to register, login and buy.

The application will be built using the Django framework. Django still uses HTML and CSS on the front end, and it also allows the use of bootstrap to make the page more dynamic.

Django was chosen because it is a python based complete framework, or "batteries included" framework. It is Robust and simple. The Django Object Relational Mapping layer makes it easy to deal with databases and to manage the databases. It also allows for CRUD (create, read, update, delete) operations, which will be necessary for the web app. It also has authentication and an Administration panel built in.

