Masajja Division Urban Farming Initiative. (Ufarm)

The area Agricultural Officer has introduced a program to promote and support urban farming practice while easing market access and improving on the family earnings and livelihoods. As a refactored software developer, you are invited to implement an information system to support this program.

Under this Program

The division is divided into 4 urban wards (**LCs**), each **Urban Ward** has an appointed **FarmerOne (FO)** who is the contact person for the Agricultural Officer (**AO**) for purposes of mobilization, supervision, regulation and support. Fresh **Horticulture produce, poultry and dairy products** are the only categories in this program.

The program is named **Ufarm**

Program Procedures

AO (Agricultural Officer)

- AO (Agricultural Officer) registers FO (FarmerOne) by (names, ward they represent, unique FO number, date of registration, gender, date of birth, activities she/he involved, NIN number, phone number, directions to her/his home, residence type, period of stay in the ward in years- FO must have lived in the area for more than 10 years)
- AO access all registered FO and can only update activities she/he deals in, phone number.
- AO can appoint a new FO for a ward but not deleting any past FO records
- AO creates authentication details to FO.

FO (FarmerOne)

- Registers the urban farmers in his/her area of administration by (**name, gender, date of registration, date of birth, activities undertaken, contacts, NIN, ward name, unique id-will be used when uploading produce and products**)
- Inspects the produce and agricultural activities for quality.

- Approves the farmers produce and products to be listed to the general public after inspection
- See all bookings and orders

Urban Farmers

- Can only use the system using the unique ids given by FO during registration
- Only registered Farmers upload produce and products they have by (name, ward name, date, unit price in **Ugx,** quantity, mode of payment, directions, mode of delivery, produce type)
- Once the produce is no longer available, it should be marked/Labeled with N/A

Produce type; organic, none organic.

Mode of payment; cash, mobile money

Mode of delivery; pick up, home delivery

The General Public

- Views the listed produce and products details
- Book or order for the produce and products via mailing order or dial in after

Booking and Ordering

Critically implement **mail-in** order booking. (you can engage stakeholders; - ask farmers how it should be done, or borrow concepts from learnt techniques)

Dial in involves picking up a phone call and call directly the produce farmer who has listed the produce or products to the public

Rules;

Should be implemented by use of **Html5, Css/bootstrap, Js, Nodejs, Mondodb,** you can also use **Vue** as well

All forms should be validated;

- Username should be **alphanumeric** and not empty
- All names should be strings between 5 to 50 characters
- NiN should be 13 **alphanumeric** characters
- Prices are in **Ugx**
- Younger than 10 years old should **not** be registered as farmerOne, urban farmers etc
- No form should be submitted when empty
- Make sure you use at least one **fieldset** in your solution
- Please consider validating obvious fields such as; phone numbers, date, characters only fields etc.

Please Note:

This is an **Individual** project that is supposed to be implemented within a 6 weeks period of time and be presented afterwards. The solution should exhibit the application of the concepts learnt from the modules at Refactory