**Software Engineering Project (Genie Logiciel)**

**Title:** Mobile application to allow consumers to contact aquaponics farmers and merchants to place orders.

**Project Description**

* Allow registered aquaponics farmers and merchants to insert their contact information and location within the app.
* The farmers/merchants can display their currently available products
* Consumers can find and contact aquaponics farmers/merchants closest to them.
* Consumers can communicate with merchants within the app.
* Consumers can place orders for available products to be delivered at an agreed-upon location.

**Software Development Steps:**

1. Analysis
2. Conception
3. Development
4. Testing
5. Implementation
6. Maintenance
7. **Analysis**

General Research (Not to include in report):

* Requirement Engineering

Analysis Report:

* User Stories (Client Specification/Software Specifications)
* Definition & detailed description of Use Cases, UML Diagram…

1. **Design and conception**

Prototype, wireframe, sequence diagram ,use case diagram, class diageam, database diagram

* Finding a solution to the use cases defined in Analysis report.
* Produce **test cases** based on use cases.
* Test Cases will be used as reference during the Testing phase of development.
* Test plan

1. **Development**

* Set up **version control** (**Github**) to allow for smooth development and cooperation among peers.
* Bonus for successfully using **Visual Studio** instead of Github.

1. **Testing**

* Code testing (Whitebox & Blackbox Testing) based on the defined test cases.
* Implementation of automated testing using already available software online.