**Farm Management System**

Functional requirements:

* The system should have a registration process. There are 2 types of users: Admin and User
* The system should have a login process
* The system should have an online payment process for subscribing
* The system should remind the User to re-subscribe each month
* The system should automatically collect the sensor data and store it in the Users account
* The system should analyze the User data and recommend optimal crop, livestock, equipment to the User
* The system should give an estimated cost of production for the selected crop
* The system should notify the User when the environment lacks essential nutrients required for the growth of a specific crop/livestock
* The system should notify the User about the signs of common illnesses and their treatment for the selected crop/livestock
* The system should collect weather data and recommend the best crop rotation roadmap to the User
* The system should allow User to browse general crop and livestock data
* The system should notify the User when a sensor malfunction
* The system should allow the User to check they own payment history
* The system should allow the Admin to see the list all Users and their status
* The system should allow the Admin to see the payment history of all Users
* The system should allow the Admin to add/edit/delete general crop, livestock, equipment data