**Project Subject**

Crop Disease and Pest Management System  
  
**Planned site content**  
Home Page.

Landing page for the website with introduction and brief sectional information to other pages.   
  
Disease Diagnosis.

* Capture image and use external API to detect plant disease and general health.
* Use external API to get map location of the captured image.
* Use an internal API to log in details of diagnosis including location.

Pest Diagnosis.

* Capture image and use external API to detect the pest.
* Use external API to get map location of the captured image.
* Use internal API to log in details of the pest including location.

Statistics & information page.

* Query and view existing diagnosis.
* Query affected crop information and use external API to get disease and pest details and possible treatment.

Contact Page

* Provide contact information.
* Provide contact form.

**Reason**

the project will help me express mastery of local and external API implementations. I intend to use wayfinding and other concepts learned in the WDD231 course. In addition, the project is part of my bigger project to build a crop management system geared towards the concept of precision farming. This will enable farmers make data-driven decision that can improve farm efficiency to boost production thereby alleviating problem of food insecurity. The sparing use of resources also help in combating effects of climate change.