

Sprint Backlog for the Next Sprint

Sprint Goals

Machine Learning

- Train machine learning model
- Expert System
- Increase the knowledge base of the expert system

Web Hosting

- Look into web hosting for the mobile app

Frontend

- Add dropdown selections that's populated with the expert system's knowledge base

Product Backlog

Machine Learning

- Preprocess image and other experimentations or other tasks needed to get the expert system

Expert System

- Program a web scraper to scrape plant disease data from websites
- Write the plant disease web scraped data the knowledge base

Web Hosting

- Learn about the different options between different web host
- Compare the different web host options to see which web host is the most feasible

Frontend of mobile app

- Setup frontend react native development environment
- Add drop-down selections so users can select metadata about the plant disease
- Populate the drop-down selections with the knowledge base from the expert system

Updated Product Backlog

Machine Learning

- Find a solution for getting the CNN to train
- Repeat training and testing of CNN once CNN can finally start to train

Expert System

- Add signs of diseases to the knowledge base
- Differentiate between plant diseases of similar symptoms

Backend

- Create a Python backend server
- Open http API with Python backend server to be able to take post requests from the react native frontend and send the plant disease metadata to the expert system

Frontend

- Populate the dropdown selections with most current knowledge base of the expert system
- Create different views
- Connect the react native frontend with the Python backend by sending a http post request to the Python backend server