

SE266 Final Project Proposal
Project Name: Farmer's Almanac
Student Name: Michael Lopez
May 11, 2021

Proposal

I am proposing an almanac style program that will allow mid to large scale farmers (or even amateur gardeners) to be able to input what crops they plan to grow for the season, displaying info such as: when to harvest, best time to plant outdoors and what zone's the plants thrive best. They'll be able to edit properties on this list such as if they have planted the crop (Checklist), yield of harvest at the end of the season (in Pounds), when they actually planted it and etc. This program could be useful for farmers who are starting out in a type of mid to large scale environment and need an automated almanac system as their companion. Or if the average person wanted to check how farming in their backyard would be like.

Inspired by my hobby of gardening as well as my new job working at my local Farmers Market.

Functionality

- Secure login system for each user
- Allowing users to input information into database
 - Add/Edit/Delete Crops
 - Add/Edit/Delete Notes
 - Separate Chart for harvest + potential yields(?)
- Allowing users to sort their information in different ways (Alphabetical, Time Planted, Harvest Yield)
- Displaying important information per specific page (Login Screen, Crops on Hand, Crops ready to be harvested, etc.)

Development Platform

This site will be programmed with PHP with MySQL as the DB. The site will also be hosted on Heroku.