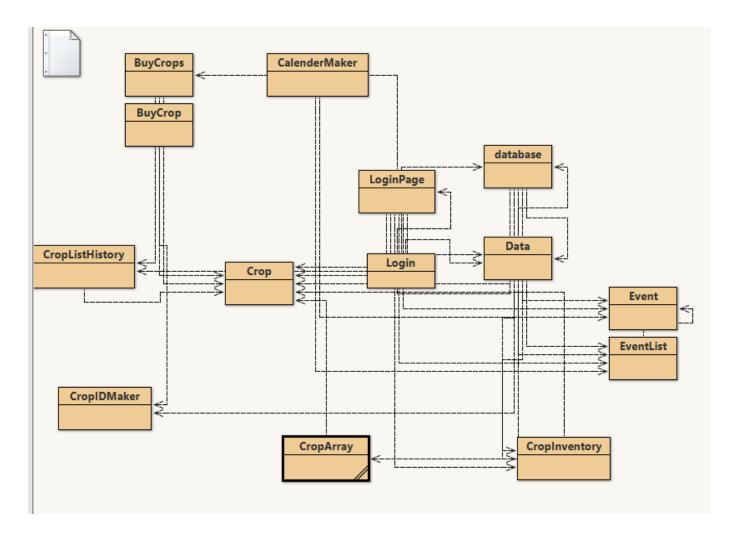
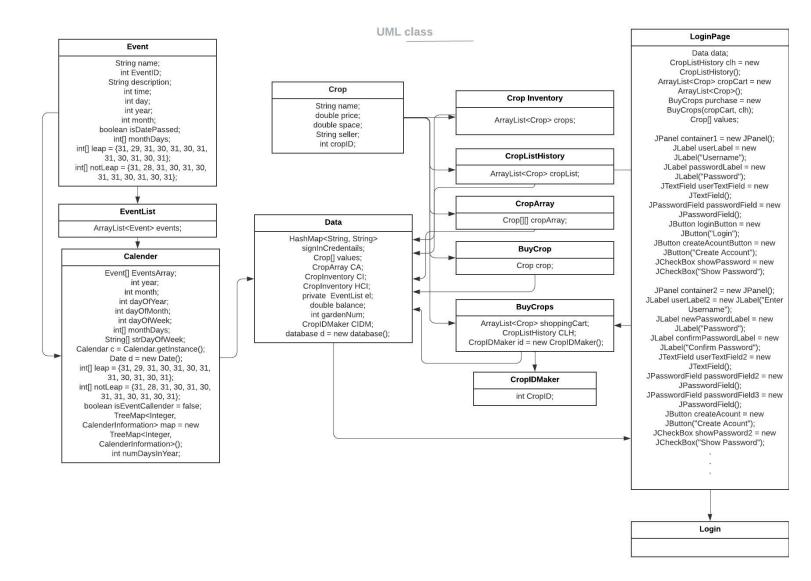
Criterion B: Design





Functionality of Each Class

Crop: Stores information about crops including their name, price, seller, and the amount of space

they take up.

BuyCrop: Contains all the information for the purchase of a single crop.

BuyCrops: Handles the transaction of multiple crops. It creates and populates a shopping cart of

all the crops that will be bought.

CropListHistory: Contains information about the crops that have previously been bought. Creates

a list and adds new crops that have been bought.

CropIDMaker: Assigns unique integer values to each crop.

CalanderMaker: Creates a calendar that will be used to keep track of important events.

CropArray: Creates a 2 by 2 grid representation of the Garden. Contains information about what

plants are planted in the garden and contains functionality that allows plants to be added or

removed.

CropInventory: Creates a list of crops

Event: Allows for an Event to be created and contains all the information for events

EventList: Creates a list of Events

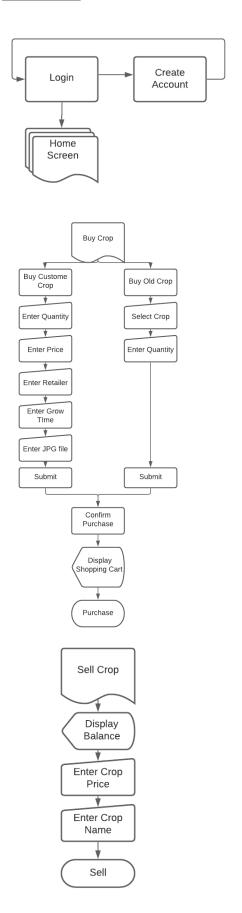
Data: Holds significant information such as EventLists, Crop Inventories, CropArrays, etc.

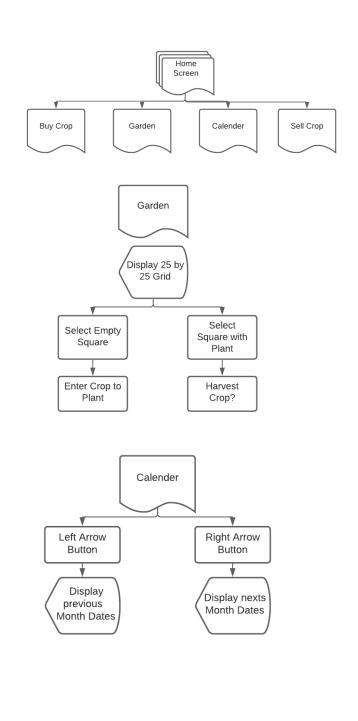
Database: Reads and writes all the information from data onto a text file.

LoginPage: Creates the GUI for the entire program

Login: Runs the GUI program

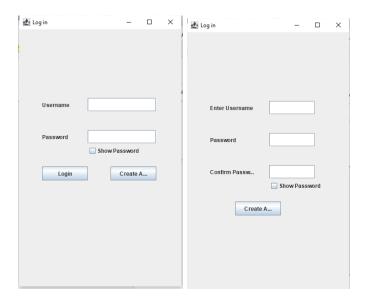
Flow Charts



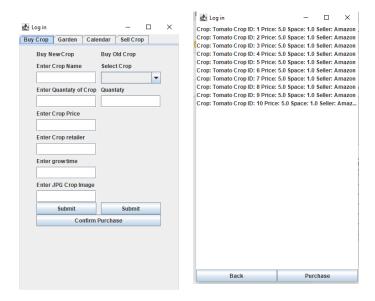


Graphics User Interface

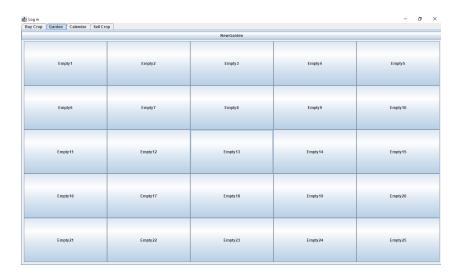
Login and Create Account



Purchase Crop and Receipt for Crop Purchase



25 by 25 grid Representation of a Garden with no Crops Planted

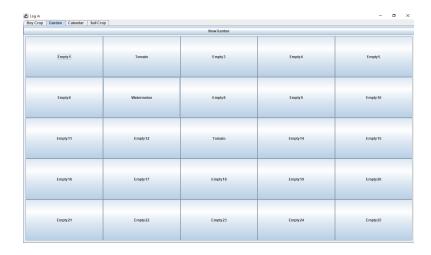


Picking a Crop to plant and then Harvesting a Crop once planted

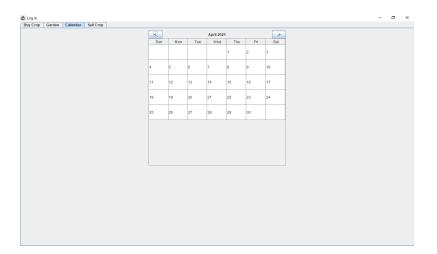




25 by 25 grid with some Plants planted



Calendar



Selling Crops

