

Stories for release 1:

- Change light wavelength (color) based on plant needs. Send user a text message when each change happens.
- Keep track of temperature based on a temperature sensor. Turn on a fan if the temperature is too high; Turn on heating if the temperature is too low. These changes should be based on plant needs and warned to the user via text message.
- Keep track of soil moisture via a soil moisture sensor and warn user via text message in case plant needs to be watered
- Be able to show plant data via a web interface that runs on the raspberry pi, and also the client has to be able to make changes to temperature and lights through the web interface.

Stories for release 2:

- Automated irrigation method based on soil moisture. Use either drip irrigation or misting irrigation
- Air humidifier with peppermint oil in order to repel pests
- Store plants in a rack with four shelves. Each shelf will have its own automated system and will be sealed with plexiglass.
- Fertilize plants.