

Purpose

The purpose of the product is to meet quality assurance requirements for pre-harvest application at one of Australia's largest strawberry farms, SSS Strawberries.

Intended Audience and Intended Use

The people that will have access to the software are the Management team and Farmworkers.

Product Scope

Describe the software being specified. And include benefits, objectives, and goals. This should relate to overall business goals, especially if teams outside of development will have access to the SRS.

The goal is to provide a record of the pesticide application with the overall objective of moving towards a digital, paperless farm. The benefits that this application will provide include

- Digital record-keeping
- Photo evidence of products used
- Streamline the process of record-keeping
- Increased transparency
- Increased efficiency and secure records

Definitions and Acronyms

The record-keeping sheet explained

- Business Name
 - SSS Strawberries
- Date
 - Application date
- Start and Finish Times
 - Of the application of chemicals, for example, this could start at 10 am and finish at 2 pm.
- Location and Crop

- The farm is broken down into lots A/B/C/D/E/F
- Product Name and Batch Number
 - This could be a pre-populated field, however, we would need the ability to add, edit and delete chemicals)
 - An option to take a photo of the chemicals for the record would be useful (examples provided)
 - A field for the batch number
- WHP/EHD
 - Withholding Period and Earliest Harvest Date. Once chemicals are applied there is a requirement to wait until a certain date before you are allowed to harvest. The date is stipulated by the chemical, for this build, we could use a calendar or text box.
- Rate of Application
 - This is a litre amount per hectare, for example, 2L Per Hectare.
- Equipment Used
 - This is either Interrow or Jacto
- Wind Speed and Direction
 - If you can pull a digital record from a site that allowed us to take this information.
- Name and Signature
 - As users will be logged it should take a digital stamp. However, an option for someone to sign on their screen is useful.

User Needs

- Managers - Must have admin rights to the application, they must have the ability to record, edit, delete and export the records and create, and delete users.
- User - Must have the ability to record and edit records.
- All users must have the ability to login via email and password.

Functional Requirements

External Interface Requirements

- Android and iOS
- Phone and Tablet

System Features

- Login and out
- Create, delete, edit user
- Manager and User roles
- Create, edit, delete, log
- View Log
- Print, export log to PDF or .CSV
- Take, delete a photo (of chemicals when creating a log)
- Add, edit notes
- Add, edit Farm
 - Add, edit, delete farm location (these are bays and are recorded as a letter A/B/C etc)

Other Nonfunctional Requirements

A record of logs must be kept as a backup in the event of a system issue