PlantTrack

Functional Specification
Functional Procedures

- **First Time Login (Business owner)**
  - Navigate to http://app.planttrackapp.com/.
  - Click register in the top right.
  - Enter Business Information.
    - Certify you are an authorized representative of this business
    - Click Continue.
  - Enter user information. These details will be used to create the initial user account with Owner privileges.
    - Click “I agree to the terms and conditions” checkbox.
    - Click Register.
  - Open the email sent to the address you used when you registered your account in the previous step and click the confirmation link.
    - You will be redirected to the PlantTrack login.
  - Log into PlantTrack with the username and password you entered when you registered.
    - If successful, your business and initial owner account will be created and registered.
      - You will be redirected to your dashboard, ready to start using PlantTrack!
- **Invite Employee’s**
  - Click your business’s name in the navigation bar.
  - Select “Manage Employees” from the dropdown menu.
  - Click the “Invite Employee” icon in the top right.
  - Enter Employee Information and Click “Send Invitation”.
  - A conformation email address will be sent to the user, where they will review their information and choose a username.
  - After the employee has clicked the confirmation link, they will have login access.
    - Additionally, they will appear in the manage employee’s dashboard, where an owner can promote them if necessary.
- **Creating Plants**
  - After completing registration and inviting employees, you will need to create plants.
  - Click the “Plants” tab in the navigation menu.

    - Click the “+” in the top right.
    - Enter Plant information.
    - Click “Create Plant”.
- **Creating Growth Profiles**
    - After creating a plant, you will need to create a growth profile.
    - Click the “Growth Profiles” tab in the navigation menu.
    - Click the “+” in the top right.
    - Enter Growth Profile information.
        - Select the plant type you would like to associate with this growth profile from the dropdown menu in the form.
    - Click “Create New Growth Profile”.
    - You will be redirected to a timeline view where you can customize Stages and Steps.
        - *Note* You will later be able to associate readings and notes with specific steps and stages to track growing data precisely.
- **Stages and Steps**
    - After creating a growth profile, select it from the growth profile dashboard.
    - In the timeline view UI, click the grey arrow in the bottom left to add new stages.
        - Within each stage, click the grey arrow in the bottom left to add new steps.
    - Once you have customized your growth profiles stages and steps to your liking, you are ready to create a batch and begin the growing process!
- **Creating a new Batch**
    - After creating a plant type and a growth profile, you will be ready to create and plant batches.
    - Click the “Batches” tab in the navigation menu.
    - Click the “+” in the top right.
    - Enter Batch information.
        - Enter appropriate plant type from the drop-down menu.
        - Apply desired growth profile.
        - Enter quantity.
    - Click “Create New Batch”.
        - *Note* At this point, you have created a batch, but it has not been planted. You can utilize this setup to create multiple batches before they need to be planted, and then plant them as necessary.
    - When ready, it’s time to start growing the batch you have created.
- **Planting Batches**
    - After creating a batch with a plant type and growth profile, you will be ready to plant.
    - Click the “Batches” tab in the navigation menu.
    - Select the batch you are ready to plant from the list.
    - Select “Plant Batch” from the options in the top right.

        - *Note* At this point you may choose to generate QR codes, if so refer to the “QR Codes” section for more information. This is not necessary to proceed.
    - Your batch has now been planted and automatically set to Stage 1, Step 1 of the selected growth profile.
- **Growing Batches**
    - Once you have planted batch you can add readings and notes to the appropriate stage and step for later use (generating reports and reference) as necessary.
        - *Note* Readings are used to record quantitative data like temperature and PH, notes are for user entered text notes.
- **Recording Readings**
    - While a batch is in progress click the “Add Reading” icon in the top right.
    - Select reading type from the drop-down menu.
    - Enter reading value.
    - Click “Create Reading”.
        - The reading will be recorded and associated with the batches current stage.
- **Adding Notes**
    - While a batch is in progress click the “Add Note” icon in the top right.
    - Enter reading value.
    - Click “Create New Note”.
        - The note will be saved and associated with the batches current stage.
- **Moving to next step**
    - After you have recorded all necessary readings and notes and are ready to move on to the next step, click the “Move Batch to Next Step” icon in the top right.
        - *Note* During the growing process, the batch information dashboard will indicate completed steps with a green circle, in progress step with a yellow circle, and uncompleted steps with a red circle.
    - Continue with your steps and stages, recording relevant data until you reach the end of the last step, and are ready to harvest.
- **Harvest**
    - After completing the last step of the last stage, the “Set Yield” icon will appear in the top right.
        - Click “Set Yield” and enter the yield obtained from your batch.
- **Your Batch has now completed its growing process. You can now manage post growth tests and generate reports on information from your batch(es).**
    - It will automatically be added to “Testing” as an untested batch.
- **Managing Tests**
    - After a batch has been completed, it will be added to testing as an untested batch. Click “Testing” in the navigation menu to view batch testing status.
    - Tests move from “Untested” to “In Progress” when you click the “Set in Progress” icon on the right.
    - After being set in progress, the batch will appear in the “In Progress” section of your testing dashboard.

    - Once in progress, a test may be set to “Passed” or “Failed” by clicking the appropriate icon to the right of your batch.
    - You can then reference passed and failed tests anytime by clicking “Testing” in the navigation bar.
- **Generating Reports**
    - After accumulating data on one or many batches, you will be able to gain insights into your business and growing process by utilizing reports.
    - Click the “Reports” tab from the navigation bar.
    - Select the report type you’d like to generate.
        - *Note* Some report types may not be useful until you have accumulated data on many batches. Other reports will be relevant to individual batches.
    - Click the “Generate Report” button to the right of your desired report.
    - Your selected reports data will be represented on screen in a bar, line, or pie chart with your business’s name, the date the report was generated, and the user who generated it.
    - Please print or save reports to a pdf if you would like to reference them later.