P6: Paper Prototype

Team Topiary | HCDE 318

Project Description

Our project aims to help experienced and novice home gardeners with their gardening activities. It will consist of an interactive mobile app and a physical device that work together in tandem via bluetooth. The product seeks to ensure our users experience emotional fulfillment through their gardening activities rather than it being another burdensome responsibility in their lives. The key features of our product are to have real life metrics of plant health and information provided by the device to the app to allow users to provide the best care for their plants and better understand their plants health. The product aims to create emotional attachment between users and their plants through a simplistic and intuitive experience that helps the user grow as a gardener.

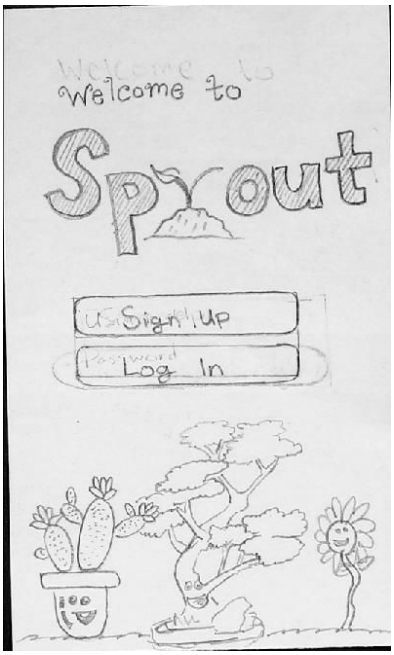
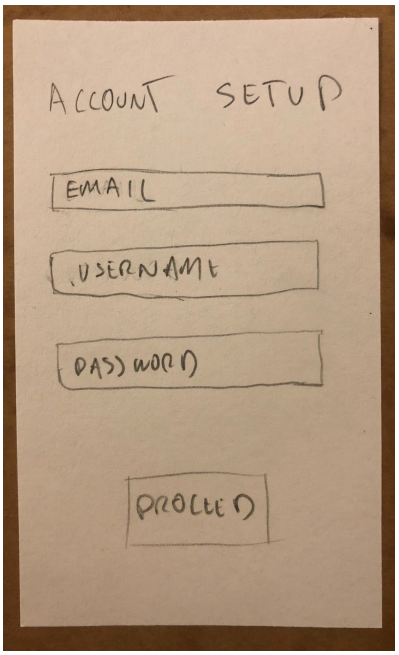
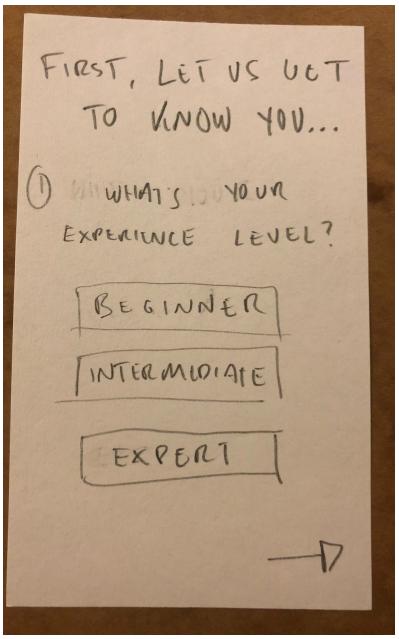
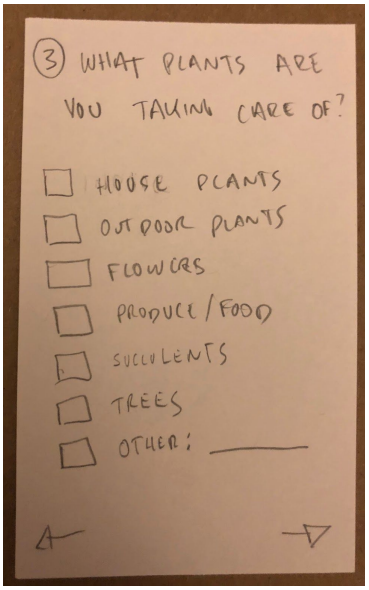
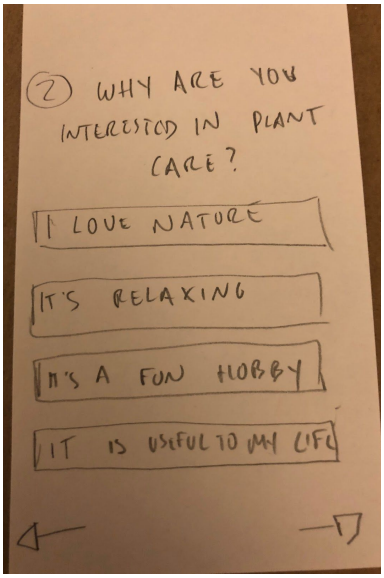
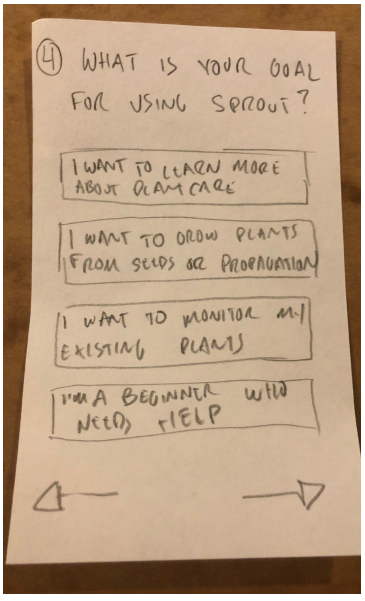
Overview

Task 1: Set-up an account with the app that allows users to personalize their experience depending on their goals and previous plant experience through a questionnaire.

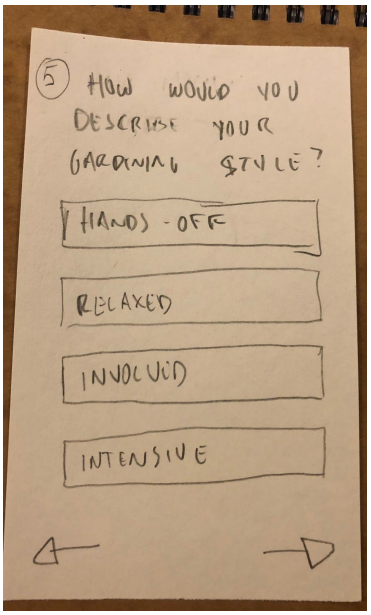
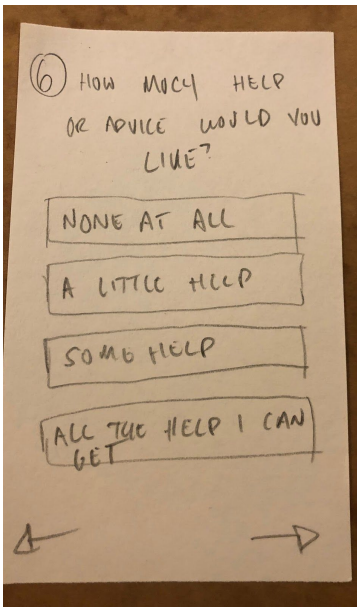
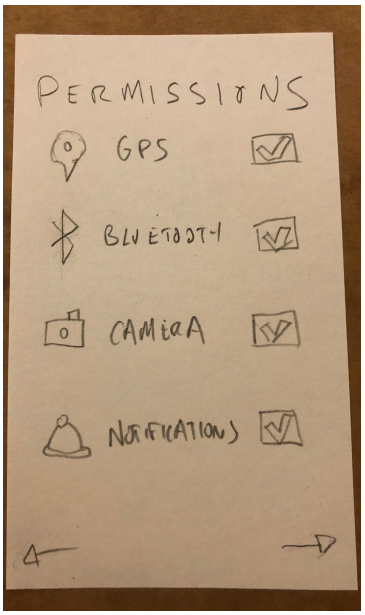
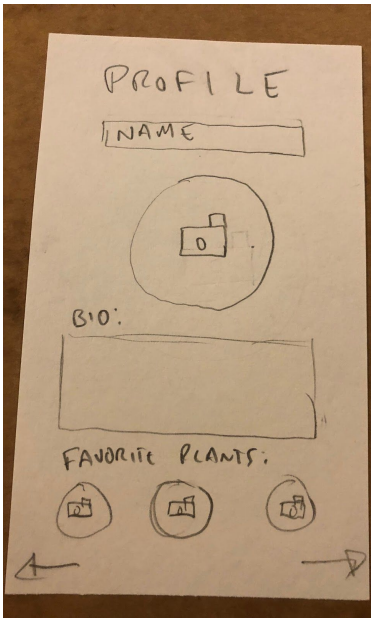
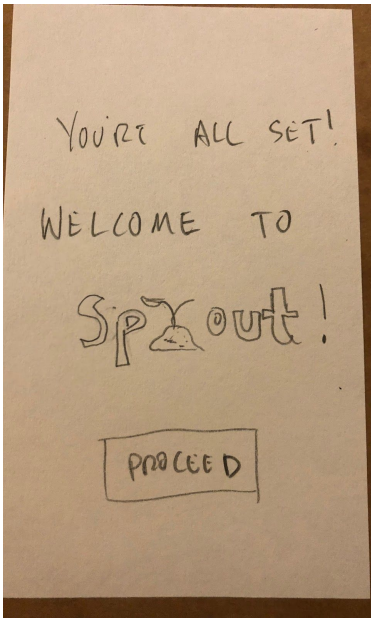
Task 2: A feature where you can add a plant to your account and add things such as plant species, a picture, nickname, and other information.

Task 3: A plant dashboard where users can a view their plants profiles. They will be able to view information about their plants such as their lifecycle, personalized care, and metrics that are collected live by the physical sensor.

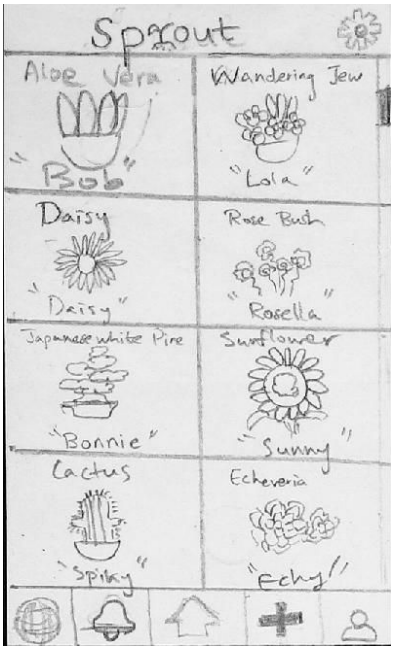
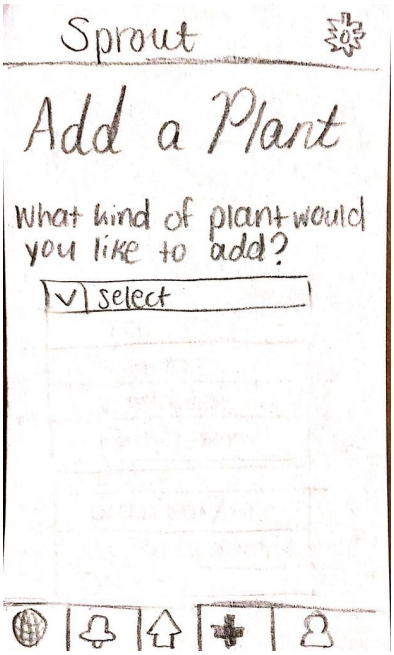
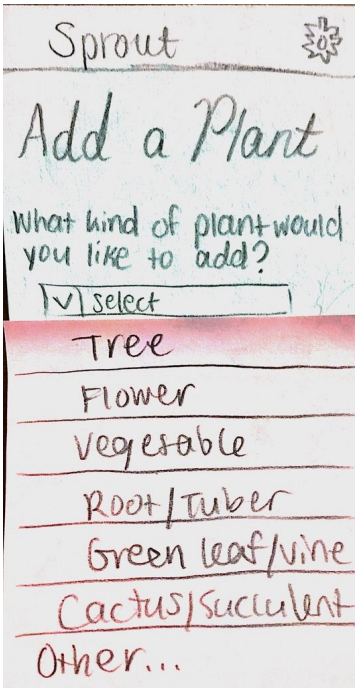
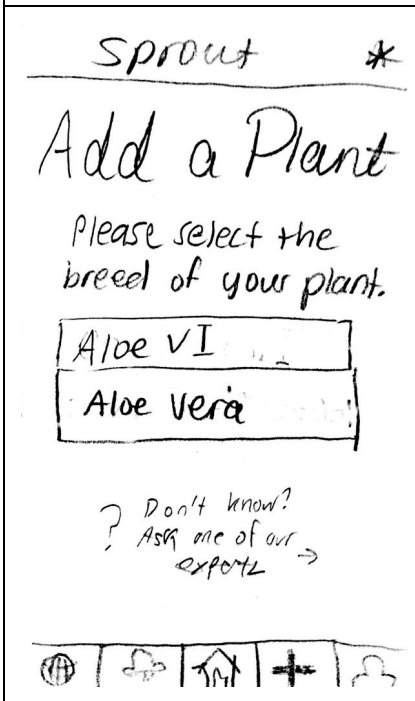
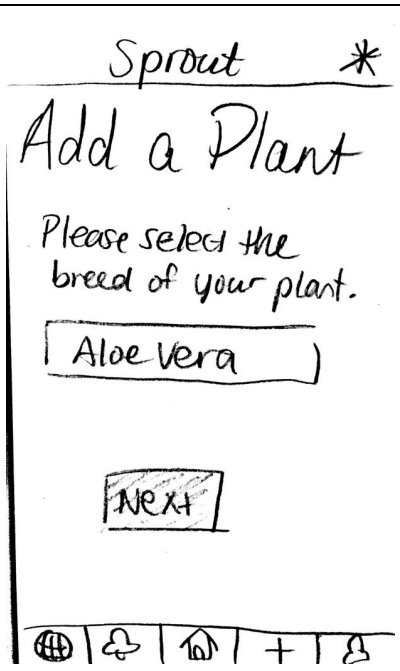
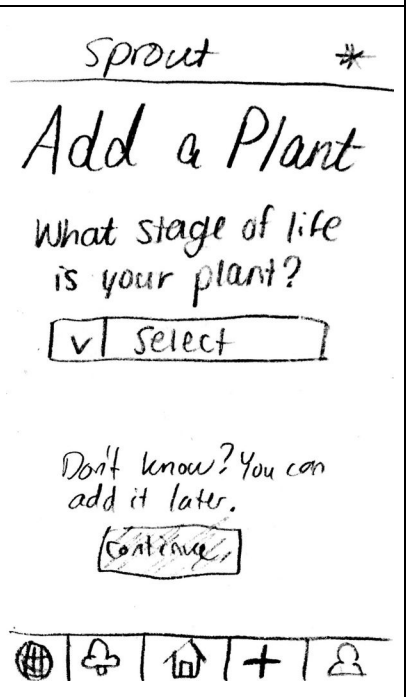
Task 1: Create an account and complete a questionnaire for a personalized experience

1. Open the app and see the welcome screen. Press the 'Sign Up' button.	2. Enter an email, username, and password to make an account.	3. User starts the questionnaire. Selects an answer before the next arrow to continue.
		
4. User checks off all options that are the plants they take care of.	5. User selects option that answers why they are interested in plant care.	6. Answer question about their goal for using Sprout.
		

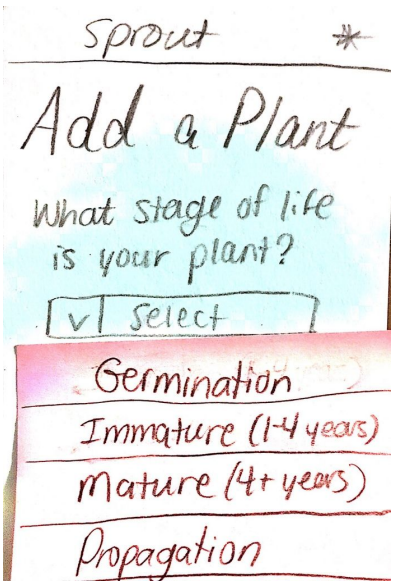
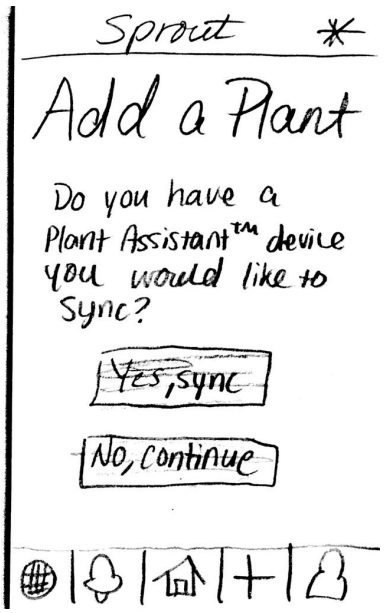
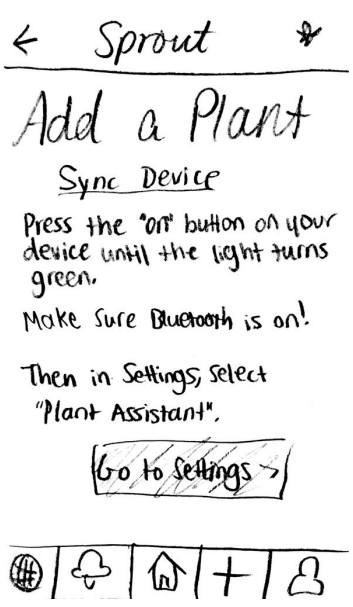
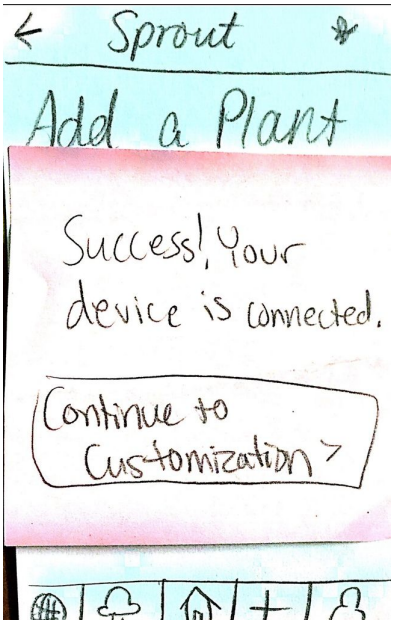
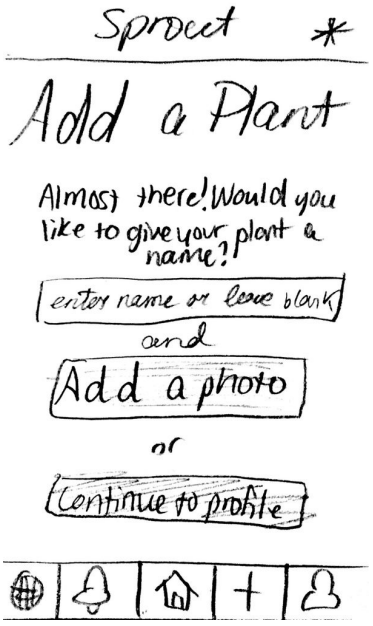
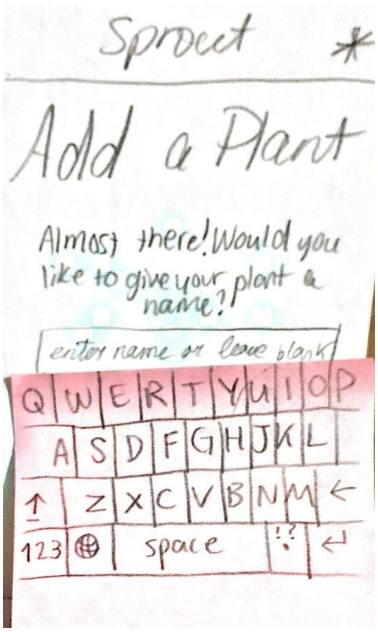
Task 1 Continued: Create an account and complete a questionnaire for a personalized experience

7. Answer question about their gardening style.	8. Answer questions about the preference of advice/help.	9. User enables permissions necessary to use app.
		
9. User creates their profile by adding their name, a profile photo, a bio, and their favorite plants.	10. Tap proceed button to finish account set up.	
		

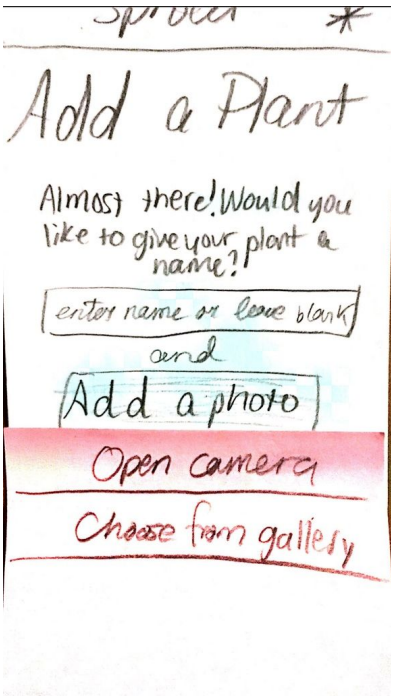
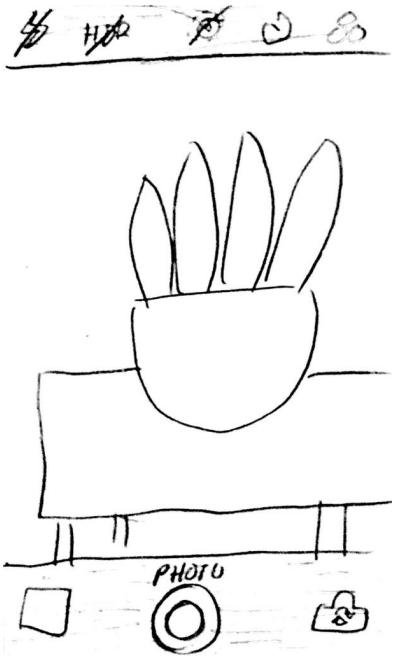
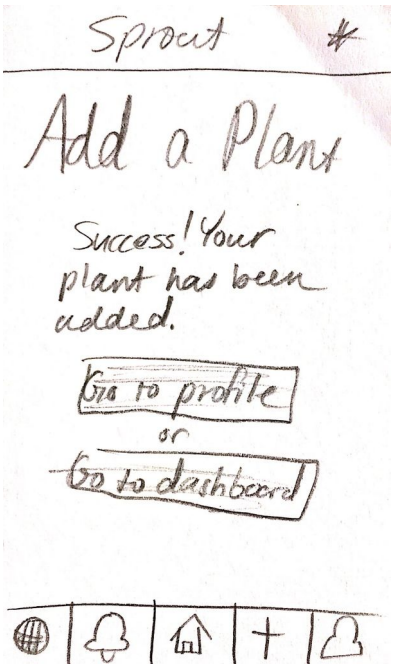
Task 2: Add a new plant to your account.

1. User clicks the + button at the bottom to add a plant.	2. User selects that type of plant to add.	3. User selects type of plant to add through a drop down menu.
		
4. User types out the breed of the plant.	5. Tap next to proceed to the next step.	6. User chooses what stage of life their plant is at.
		

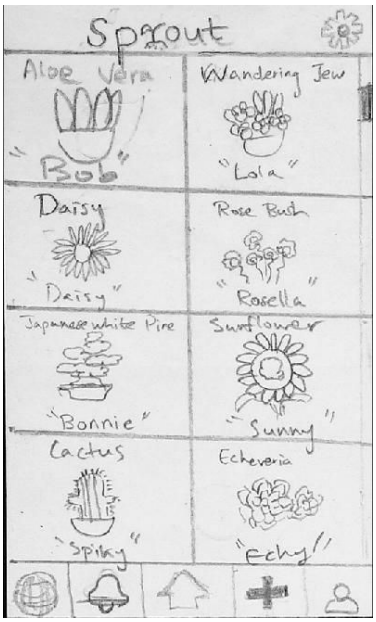
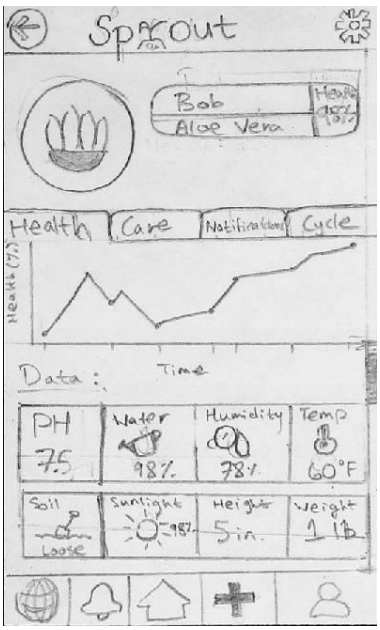
Task 2 Continued : Add a new plant to your account.

7. User choose from drop down menu what stage of life their plant is at.	8. User taps Yes to sync their device to the app.	9. User taps setting button to sync device.
		
10. After successful sync, user presses button to return back to customization screen.	11. User is prompted to enter nickname and add photo.	12. User types out nickname of plant.
		

Task 2 Continued : Add a new plant to your account.

13. User chooses to open camera to add a photo.	14. The user snaps a photo of their plant using the camera provided in the app.	15. User finishes adding a plant and is prompted to go to the plant profile or dashboard.
		

Task 3: Open a plant profile and see the health and status of the plant.

1. User clicks on the tile of the plant they want to view	2. Health tab shows data collected from the senor.	3. Care tab shows the care recommendations based on data
		
4. Notifications tab shows history of notifications received about this specific plant	5. Cycle tab shows the life cycle of the plant and its major milestones.