Smart Garden's Sprint Plan

9/48 completed

✓	Week #	To-Do Task	Responsible	DoD
x	2	~~Create draft of sprint plan~~	~~Everyone~~	~~Turned in on Beachboard~~
x	2	~~Refamiliarize with code and refresh both Github and Waffle~~	~~Everyone~~	~~Github and Wafflic.io are cleaned up and began worki on them.~~
	2	Find a way or other board to connect to the school's WiFi	Raul	We will have a board or know which board can connect to the wifi
x	3	~~Finalize draft plan~~	~~Everyone~~	~~Turned in on Beachboard~~
x	3	~~Make tables for database~~	~~Jose~~	~~When we can enter any information in the database without issue and with knowing exactly where the information will go to the database should be neatly structured.~~
x	3	~~Make relations for the database tables~~	~~Jose~~	~~All tables show their relationships with each other.~~
x	3	~~Make board solar powered~~	~~Raul~~	~~Arduino board doesn't require other power input aside from solar~~
x	3	~~Connect equipment to garden~~	~~Raul~~	~~Board, water valve, and garden are all connected together~~
	3	Plant vegetables on campus plot	Everyone	Plants are growing in the soil. Physically can measure and observe grow
x	3	~~Create login screen on the iOS app~~	~~Jason & Arjun~~	~~Login screen shown when app is launched~~
x	3	~~Create garden selection screen behind login screen~~	~~Jason & Arjun~~	~~After log-in, garden selection screen is displayed~~
	4	Fix view transistioning in the iOS app	Jason & Arjun	Can go forward and backward in the app and not get stuck at a view
	4	Implement date and time picker wheels on the garden logs screen	Jason & Arjun	When the start and end date label are selected a date and time picker wheel appears and the date and time selected are stored in the label
	4	Validate input for the API	Jose	Input that users try to send through the API will be sanitized so that only legal queries can be made to the database. Any illegal call will not work when testing.
	4	Have board communicate to the host server	Raul	Board is able to send readings
	4	Measure plants growth	Raul	Have a record log of the plants growth
	5	Create authentication for the API	Jose	Users can connect through the API and have their data available to them
	5	Obtain user feedback on app user interface	Jason & Arjun	Feedback recieved from at least 15 people
	5	Implement the background change option	Arjun	Background can be changed by user or set back to our default background
	5	Measure plants growth	Raul	Have a record log of the plants growth
	6	Make GET queries for the database	Jose	All queries to retrieve information should be ready to execute, and should be tested.
	6	Create POST queries for the database	Jose	All queries to input information in the database should be ready to execute and should be tested

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	6	Create login back-end on the iOS app	Jason & Arjun	Can actually login to the app same as from the web
	6	Measure plants growth	Raul	Have a record log of the plants growth
	7	Create POST and GET routes for the API	Jose	Have the API handle post and get requests for the mongodb database so that the users can retreive all of their data
	7	Create back-end for garden selection screen	Jason & Arjun	User's gardens are pulled from server and shown on screen
	7	Measure plants growth	Raul	Have a record log of the plants growth
	8	Connect API to board	Raul & Jose	Board is able to recieve and send commands through the API
	8	Create back-end for "Data being recorded" view	Jason & Arjun	Changing the toggle switches are reflected on what gets recorded on the server
	8	Measure plants growth	Raul & Jose	Have a record log of the plants growth
	9	Implement web sockets for IOS, server, and board	Everyone	
	9	Measure plants growth	Raul	Have a record log of the plants growth
	10	Get live data for the garden's "home" screen	Jason & Arjun	Latest readings from the garden are displayed on the garden's "home" screen
	10	Redesign the UI for the website	Raul & Jose	It's never done. Needs constant maintainence and updates
	10	Measure plants growth	Raul	Have a record log of the plants growth
	11	Pull data from server for garden "logs" screen	Jason & Arjun	Readings within the date range are pulled from the server
	11	Distribute app for testing	Arjun	Establish a test group that has the app downloaded on their phone. Minimum of 4 users
	11	Measure plants growth	Raul	Have a record log of the plants growth
	11	Redesign the backend for the site	Jose & Raul	Have the site make changes to the database and garden settings.
	12	Survey test group on app experience	Arjun	Get users to complete a survey or questionnaire on mobile application usage
	12	User App bug fixes	Jason & Arjun	Maintain a record log of bugs and fixes based on user feedback
	12	Measure plants growth	Raul	Have a record log of the plants growth

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✓	Week #	To-Do Task	Responsible	DoD
	13	Begin on final presentation	Everyone	Start a slide document and have it saved on group's Drive
	13	Implement user suggestions	Jason & Arjun	Pick among one of the user's suggestion that is doable and implement into the app
	13	Measure plants growth	Raul	Have a record log of the plants growth
	14	Survey test group on new feauture	Arjun	Get users to complete a survey or questionnaire on developer feedback and implementation of the new feature
	14	User App bug fixes	Jason & Arjun	Maintain a record log of bugs and fixes based on user feedback
	14	Measure plants growth	Raul	Have a record log of the plants growth
	15	Prepare final presentation	Everyone	Presentation slides completed and turned in if they need to be turned in