



# **İoT Based Garden Monitoring System**

## **Project Team Info**

Team members:

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**Team Name:**

3 Badam

## **SPRINT 1**

### COMPLETED / NOT COMPLETED

Epic/Story Number	User Story Precondition/Postcondition		Issue Type	Priority	Status	Story Size
<b>Epic 1:</b> As a user, I want to monitor my plants.	<b>Story 1-</b> As a user, I want to access my plant everywhere and anytime for monitoring.	<b>Pre-condition:</b> Application must be installed.	TASK	HIGH	Done	2
		<b>Post-condition:</b> Monitoring has been done successfully				
	<b>Story 2-</b> As a user, I want to login and use multiple account for several devices.	<b>Pre- condition:</b> Sign up with email and set password.	TASK	HIGH	DONE	2
		<b>Post- condition:</b> The system confirmed login and allow access devices.				
	<b>Story 3-</b> As a user, I want to see my plants status, humidity, temperature and, Etc.	<b>Pre- condition:</b> To enter the application.	TASK	HIGH	DONE	2
		<b>Post-condition:</b> The system shows value synchronously.				
	<b>Story 4-</b> As a user, I want to see my plants visually and check.	<b>Pre- condition:</b> Camera take a photo	TASK	HIGH	DONE	1
		<b>Post- condition:</b> Send/Tweeted to the user successfully.				
<b>Epic 2:</b> As a user, I want to control the plants.	<b>Story 1-</b> As a user, I want to watering my plants by manually	<b>Pre-condition:</b> Press the “watering” button	TASK	MEDIUM	DONE	1
		<b>Post-condition:</b> Plants successfully watered				
	<b>Story 2-</b> As a user, I want to watering my plants by automatically by humidity level.	<b>Pre-condition:</b> Humidity level if under 50% then watering.	TASK	MEDIUM	In Progress	1
		<b>Post-condition:</b> Watering done by automatically. Humidity level increase.				
	<b>Story 3-</b> As a user, I want to check my water tank level	<b>Pre-condition:</b> Get water level in the tanker	TASK	LOW	In Progress	1
		<b>Post-condition:</b> Notify user if water level under 50%				

## Subset of user stories to be implemented during the next sprint:

- **User “Searching” Story:**

As a user, I want to water my plants by

<b>Pre-condition:</b> Humidity level if under 50% then watering.
<b>Post-condition:</b> Watering done by automatically. Humidity level increase.

Story size: 1

- **User “Searching” Story:**

As a user, I want to check my water tank level

<b>Pre-condition:</b> Get water level in the tanker
<b>Post-condition:</b> Notify user if water level under 50%

Story size: 1

<b>Total Sprint Size = 6</b>
<b>Cumulative Size = 18</b>

## **What functionality does the system have at the end of this sprint?**

- From now on, user can install app and can Login/Signup
  - From now on, user can add multiple device
  - From now on, user can monitor their plant basically
  - From now on, system can take photo and send to the user
  - From now on, user can see humidity and temperature value
  - From now on, user can watering plants manually via buton
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*In this sprint, we did not end up making any changes to any of these user stories.*

*In addition to this, we are in a process of consideration about adding new user stories.*

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## **Lessons Learned at The End of This Sprint:**

- ✓ As a team, we learned that we should use sprint time well.
- ✓ As a team, we learned that how important brainstorming is.
- ✓ As a team, we learned the importance of keeping in touch.
- ✓ As a team, we learned how to make a sprint planning.

## **What Would We Do Differently Next Time?**

- ❖ We would use sprint time more efficiently.
- ❖ We would make a better sprint planning.

