Software Project

TEAM NAME: Greenly Pebble
PROJECT NAME: Smart Plant

Deo Anthony Madrid (N01361264)

Patrick Gomulka (N01347564)

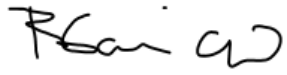**Erni Banaag (N01221990)**

Ricci Gamiao (N01363076)

Application Login Credential:
Email: admin@admin.ca
Password: Admin#06
Or
Register your account

Name	ID	Signature	Effort
Deo Anthony Madrid	N01361264		100%
Erni Banaag	N01221990		100%
Ricci Gamiao	N01363076		100%
Patrick Gomulka	N01347564		100%

GitHub verified Link:

https://github.com/riccigamiao3076/SmartPlant.git

Stories and Task- Monday.com

THEME / BUSINESS GOAL:
- Develop an app that intertwines with hardware modules to collect sensor data for logging purposes.
- App is designed to track the health of the plant where it is enclosed together with the hardware sensors.

● **Epic #1**
- Use a feedback page for new plants discovered.

● **Stories**
- Create a community discussion about plants.
- Add plant photo sharing with friends.
- Automatic email surveys to clients.

● **Epic #2**
- Create incentives for users for finding new plants.

- **Stories**
    - Create a badge achievement system.
    - Offer premium features to clients.
    - Create a contest program.

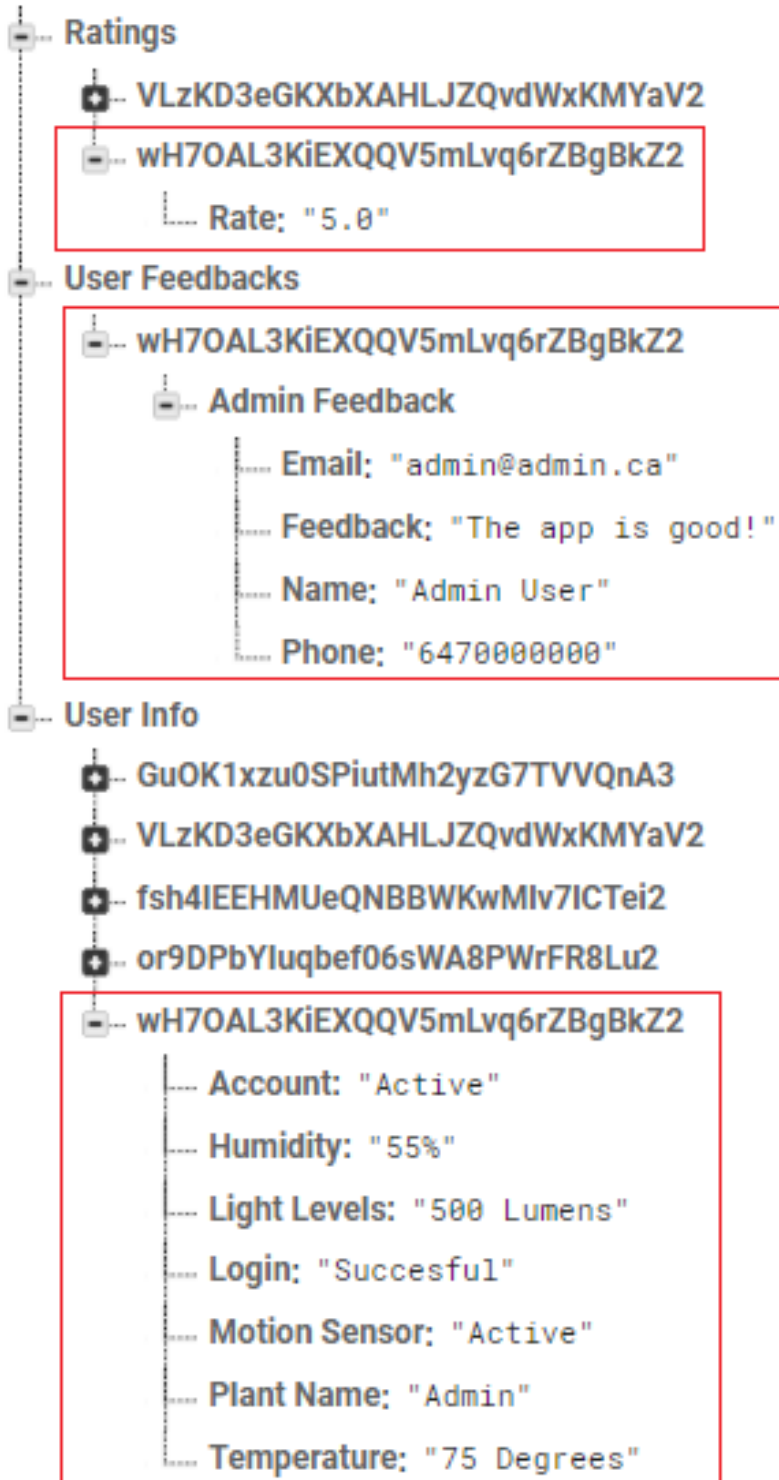## Additional features/functionality added since deliverable 1:

1. Added Login Feature.
2. Designed Home Screen, Dashboard, and Account Screen.
3. Added a simple Firebase Database.
4. Added Splash Screen.

Additional features/functionality added since deliverable 2:

1. Remember me Checkbox.
2. Google Login.
3. Notification added.
4. Rating system.
5. User Registration
6. Feedback
7. Call/Email Service

Firebase Database by Admin account, recorded by User ID

smart-plant-dcaaf-default-rtdb

- Ratings
  - VLzKD3eGKXbXAHLJZQvdWxKMYaV2
  - wH7OAL3KiEXQQV5mLvq6rZBgBkZ2
    - Rate: "5.0"
- User Feedbacks
  - wH7OAL3KiEXQQV5mLvq6rZBgBkZ2
    - Admin Feedback
      - Email: "admin@admin.ca"
      - Feedback: "The app is good!"
      - Name: "Admin User"
      - Phone: "6470000000"
- User Info
  - GuOK1xzu0SPiutMh2yzG7TVVQnA3
  - VLzKD3eGKXbXAHLJZQvdWxKMYaV2
  - fsh4IEEHMUeQNBBWKwMIv7ICTei2
  - or9DPbYluqbef06sWA8PWrFR8Lu2
  - wH7OAL3KiEXQQV5mLvq6rZBgBkZ2
    - Account: "Active"
    - Humidity: "55%"
    - Light Levels: "500 Lumens"
    - Login: "Succesful"
    - Motion Sensor: "Active"
    - Plant Name: "Admin"
    - Temperature: "75 Degrees"

Monday.com Sprints:

Sprint 5 (Nov 21 - Nov 27) Epic: Project Documentation	Tasks	Status	Progress Tracking		Date	Timeline
Team Meeting	3	Done		100%	Dec 6	Nov 14
Scrum Board	1	Done		100%	Nov 22	Nov 14
Gantt Chart	2	Working on it		0%	Nov 13	Nov 14
Daily Standup	1	Done		100%	Nov 13	Nov 14
Post Mortem	1	Done		100%		-
+ Add				80%		Nov 14

Sprint 5 (Nov 28 - Dec 6) - Epic: Application	Tasks	Status	Progress Tracking		Date	Timeline
Registration Credentials	6	Done		100%	Nov 21	-
Floating Action Button	1	Done		100%		-
Testing of 5 cases	4	Working on it		0%	Nov 26	Nov 13
Code Cleaning	3	Done		100%		-
Google Play	1	Working on it		0%	Nov 28	-
+ Add				60%		Nov 13

Google Play Store Submission:
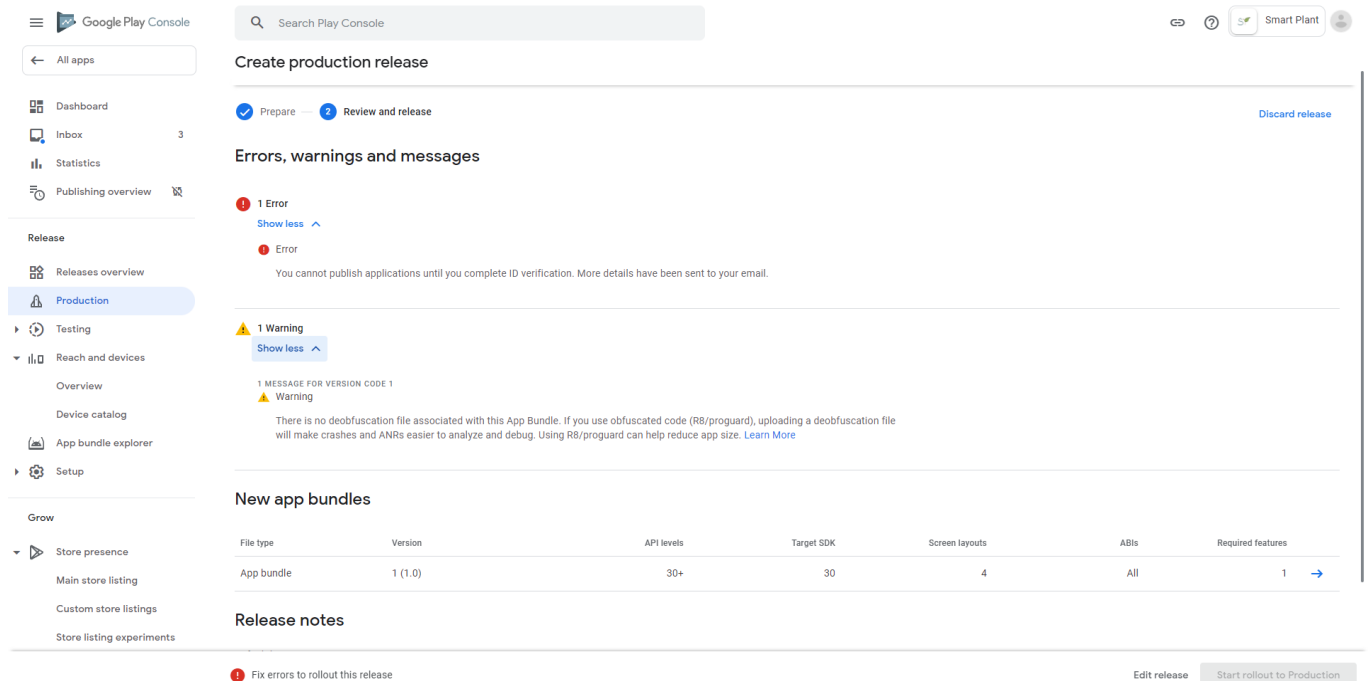
C4 MODEL

Container Diagram - Level 1

User
[Person]

↓

Login Functionality
[Requirement]

↙ ↘

Local Field
[Optional]

Google Account
[Optional]

Container Diagram - Level 2

Local Field
[Optional]

Google Account
[Optional]

User Interface
[Main Hub]

Plant Naming
[Functionality]

Home

Account

Settings

Dashboard
[Main Channel]

Container Diagram - Level 3

Dashboard
[Main Channel]

Sensor Data
[Real-Time]

User Interface
[Dashboard Hub]

Learn

Can-plant
[Redirection]

Firebase
Database

History

Plant Health
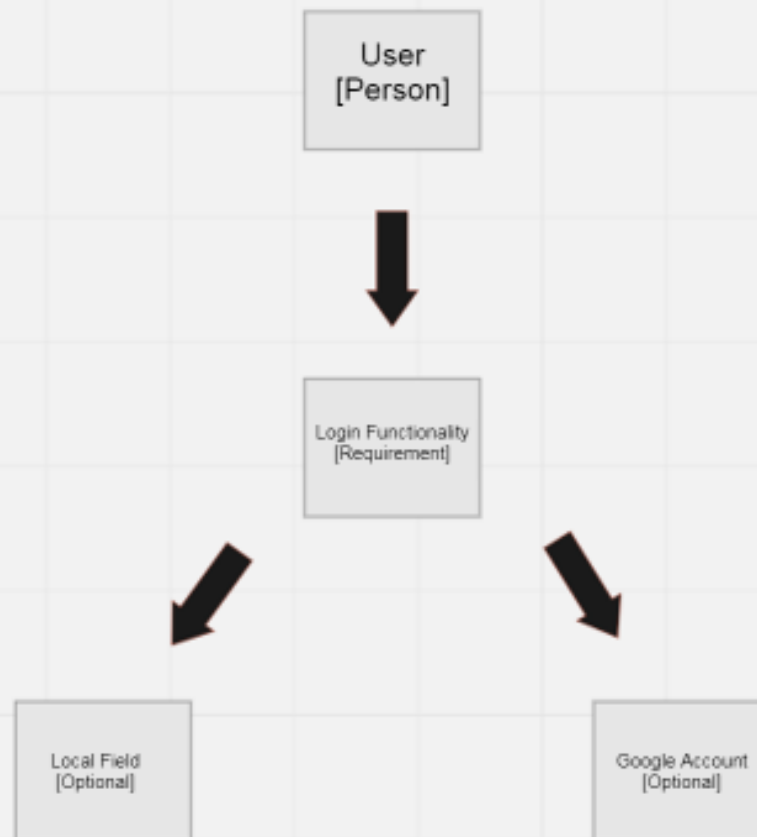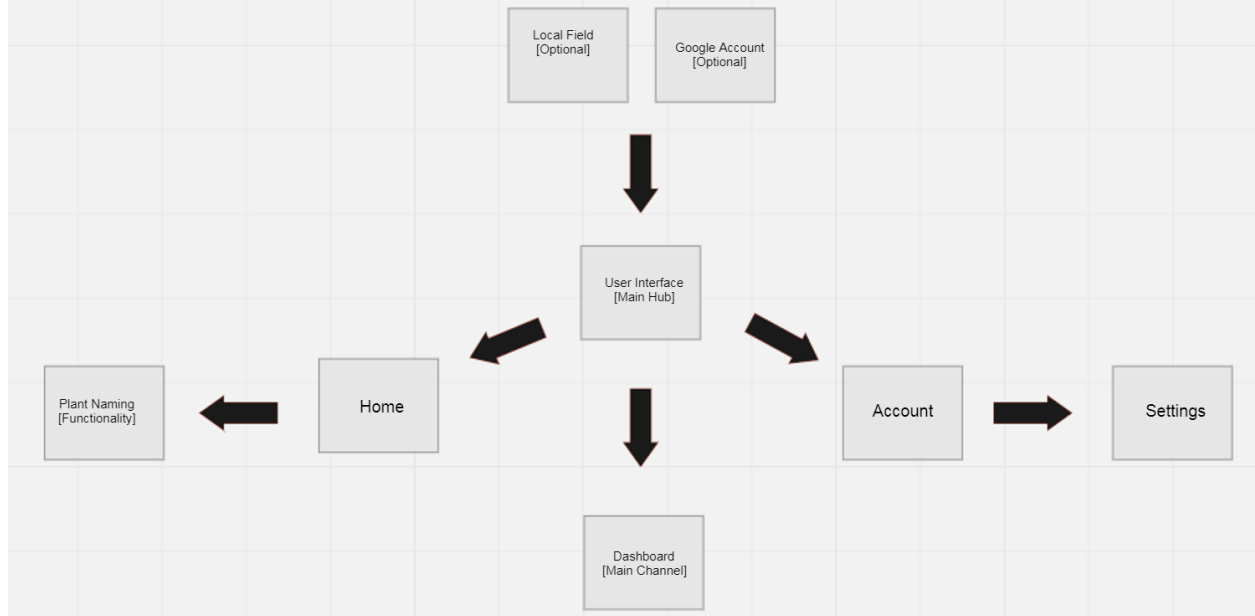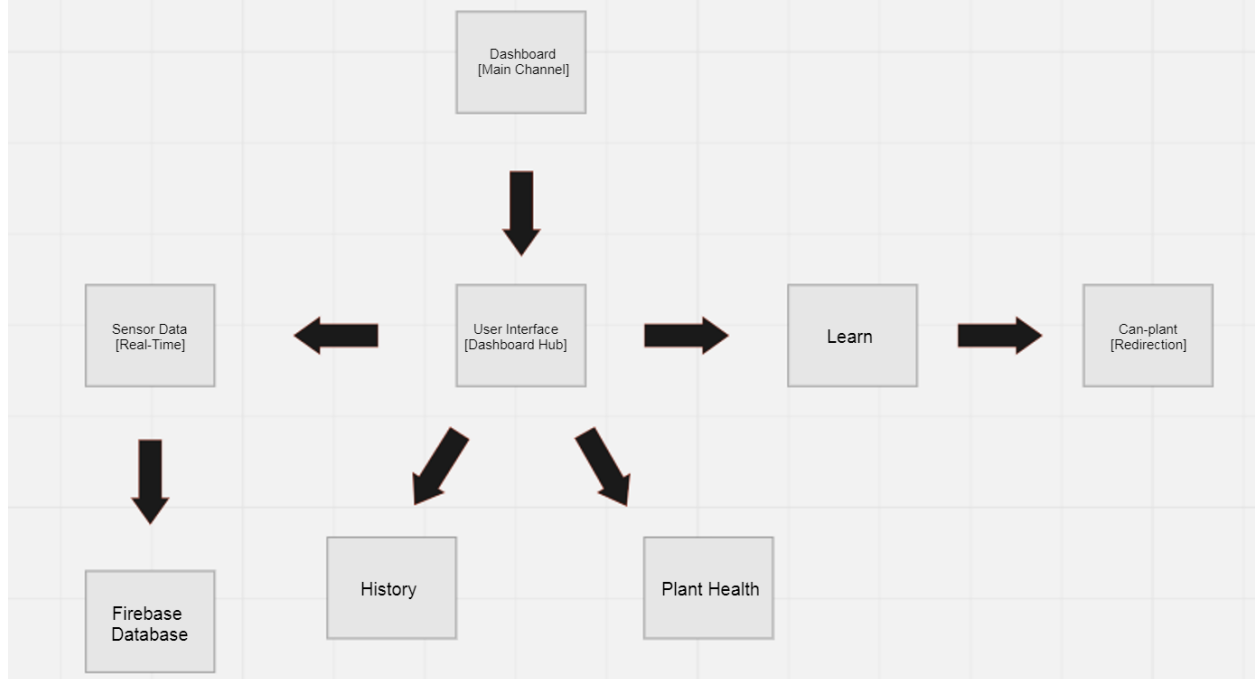
Post-Mortem, Project Review Meeting

Did the team members involved manage their time wisely?
Or everything was done last minute.

We did group meeting and focused on documentation at Sprint 5.
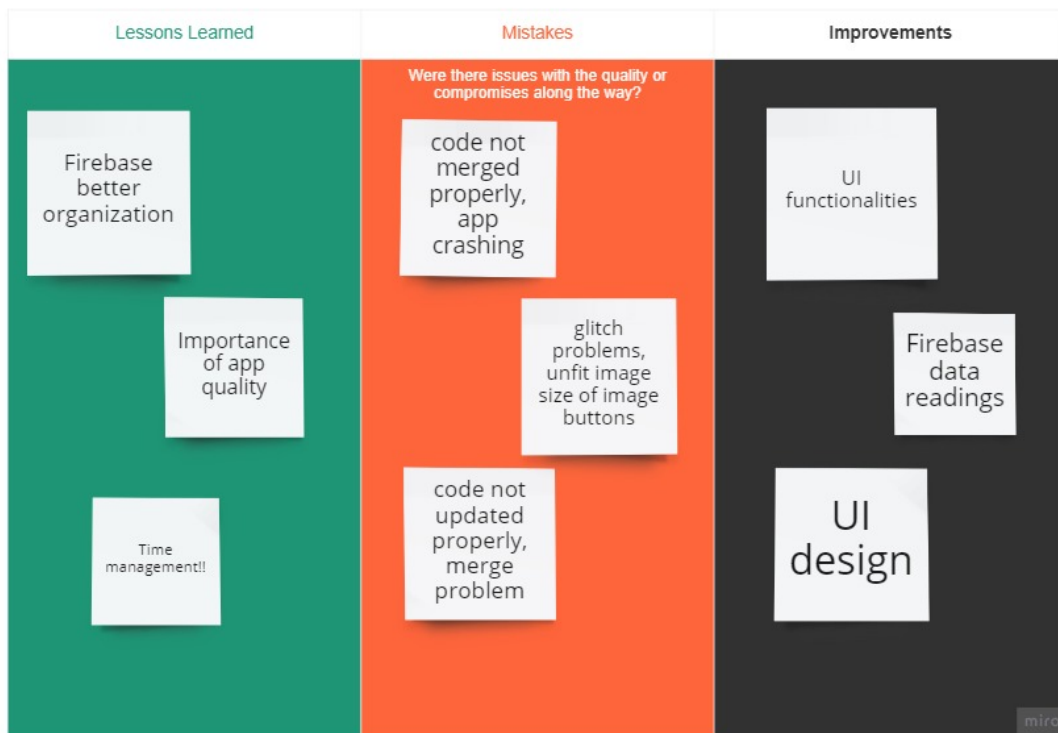
Blockers why commits are last minute

Other labs/assignments

Work/chores

Time constraints

Were there issues with the quality or compromises along the way?

- App crashes, glitches, code problems, unorganized realtime database.
- Less group meetings due to blockers

Lessons Learned	Mistakes	Improvements
Firebase better organization	Were there issues with the quality or compromises along the way?	UI functionalities
Importance of app quality	code not merged properly, app crashing	Firebase data readings
Time management!!	glitch problems, unfit image size of image buttons	UI design
	code not updated properly, merge problem	

We all attended the project review meeting

Daily Standup

Sprint 5
November 22nd 2021

Erni Banaag	Ricci Gamiao	Patrick Gomulka	Deo Madrid
What did you work on yesterday? Group meeting	**What did you work on yesterday?** Group meeting	**What did you work on yesterday?** Group meeting	**What did you work on yesterday?** Group meeting
What will you work on today? Sensors Database	**What will you work on today?** App review, Registration	**What will you work on today?** Documentation	**What will you work on today?** Documentation
Any blockers? firebase acc	**Any blockers?** Chores	**Any blockers?** Doordash deliveries	**Any blockers?** Time Constraints

Daily Standup

Sprint 5
November 26th 2021

Erni Banaag	Ricci Gamiao	Patrick Gomulka	Deo Madrid
What did you work on yesterday? Firebase Database	**What did you work on yesterday?** Documentation	**What did you work on yesterday?** Documentation	**What did you work on yesterday?** Documentation
What will you work on today? UI Design	**What will you work on today?** Registration screen	**What will you work on today?** Deliverable 3 bug fixes	**What will you work on today?** Application
Any blockers? suitable images	**Any blockers?** Chores, other labs	**Any blockers?** Scheduled shifts	**Any blockers?** Application Crashing

Daily Standup

Sprint 6
November 29th 2021

Erni Banaag	Ricci Gamiao	Patrick Gomulka	Deo Madrid
What did you work on yesterday? UI Design	**What did you work on yesterday?** Deliverable 4 Review	**What did you work on yesterday?** C4 model	**What did you work on yesterday?** Application
What will you work on today? FAB Buttons	**What will you work on today?** Registration Screen, database	**What will you work on today?** Designing health page	**What will you work on today?** Dashboard
Any blockers? n/a	**Any blockers?** Chores, other assignments, lack of time	**Any blockers?** Girlfriend	**Any blockers?** Gradle Script

Daily Standup

Sprint 6
December 5th 2021

Erni Banaag	Ricci Gamiao	Patrick Gomulka	Deo Madrid
What did you work on yesterday? FAB Buttons	**What did you work on yesterday?** Registration credentials	**What did you work on yesterday?** Designing health page	**What did you work on yesterday?** Dashboard
What will you work on today? History Page	**What will you work on today?** Registration credentials, feedback, rating, database	**What will you work on today?** Implementing health page	**What will you work on today?** Learn Page
Any blockers? other courses work	**Any blockers?** Other assignments, lack of time	**Any blockers?** Conducting other assignments	**Any blockers?** Internet Connectivity

Daily Standup

Sprint 6
December 7th 2021

Erni Banaag	Ricci Gamiao	Patrick Gomulka	Deo Madrid
What did you work on yesterday? History Page	**What did you work on yesterday?** Database organization	**What did you work on yesterday?** Designing health page	**What did you work on yesterday?** Learn Page
What will you work on today? Finalizing app	**What will you work on today?** UI design, Test cases	**What will you work on today?** Final implementation	**What will you work on today?** Review
Any blockers? n/a	**Any blockers?** Exams, other labs	**Any blockers?** Preparing for exam season	**Any blockers?** Exams