Deliverable 3 report Chesm Smart City

Team Member	3
Github Repo	3
Participants	3
Sprint Report	4
Sprint 3	4
Sprint 4	11
Gantt Chart	16
Components	16
Timeline	17
Daily Standup	17
Oct 26th	17
Nov 3rd	19
Nov 13rd	19
Sprint Retrospective	19
Sprint 3	19
C4 Model	21
Design Principles	21
Design Patterns	21
Coding Progress	22

Team Member

Team Member Names	Signatures	Student ID
Project Leader: Thanh Phat Lam	Mal	N01335598
Hieu Dang Chu	HKZ	N01371619
Dung Ly	Pro-	N01327929
Dinh Hoa Tran	Hose	N01354661

Github Repo

https://github.com/nhoxrongvip/SmartCity

Participants

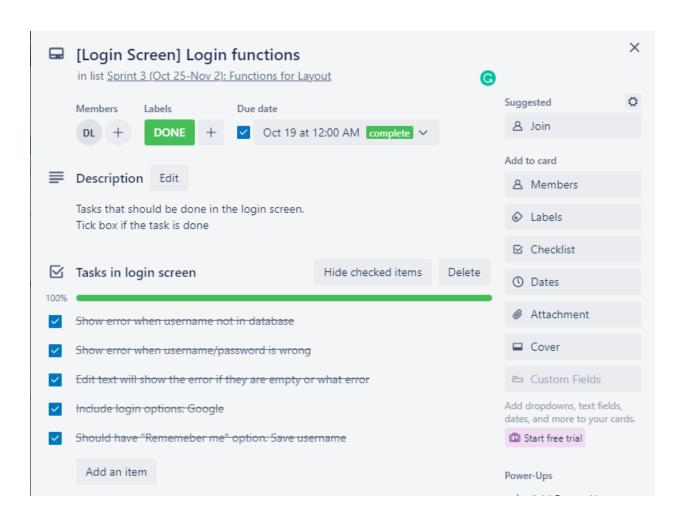
Name	ID	Signature	Effort
Thanh Phat Lam	n01335598	lam	 Created landscape for Air Quality Fragment Used aqicn.org/api to get quality condition value Create sprints Complete Document Effort: 30%
Dung Ly	n01327929	dung	 Created landscape for Login Activity Used firebase authentication of firebase with (Sign in with email, password, Sign in with Google). Create landscape for Register Activity Test Load Database from realtime database of Firebase to Garbage Fragment

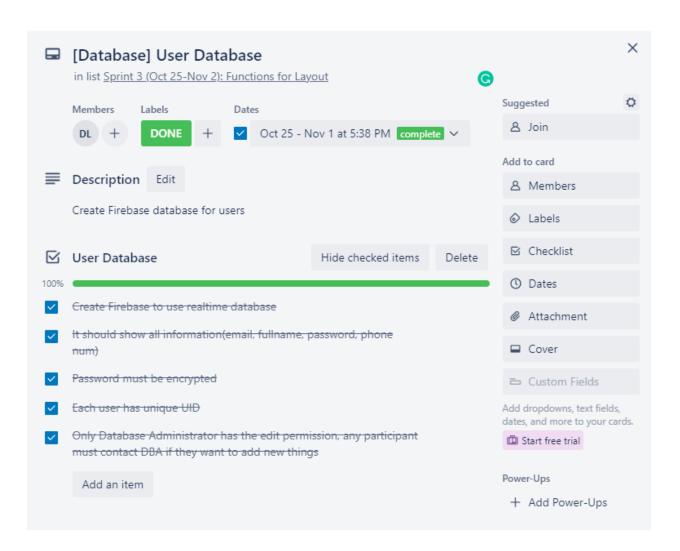
			 Change background of Login Activity and Register Activity. Use SharePrefer on Remember me to save Username and password of Login Screen. Notification Build for Register successed Review Fragment for Customer review Screen. Effort: 50%
Hieu Chu	n01371619	Hieu	 Re-design snow level fragment UI entirely to fit the team layout Created landscape for snow level fragment Created landscape for setting screen Help complete document: C4, design principles and patterns Effort: 10%
Dinh Hoa Tran	n01354661	Tran	- Add database on firebase - Use database to completed city light fragment - Help complete the document - Test database Effort:10%

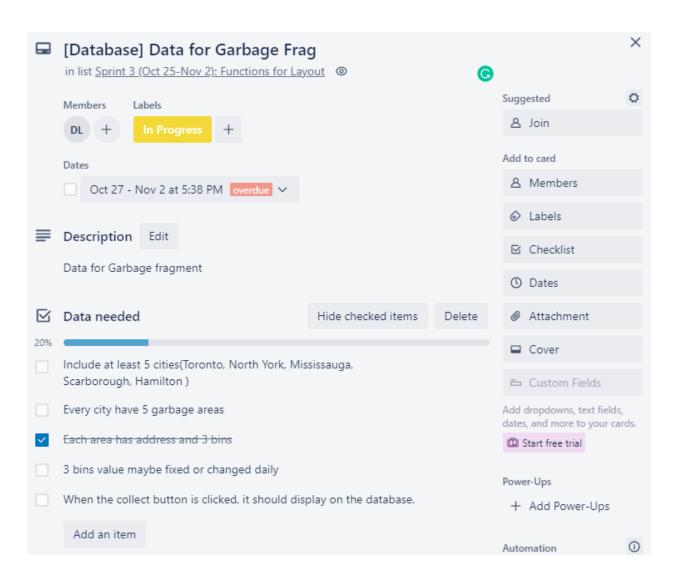
Sprint Report

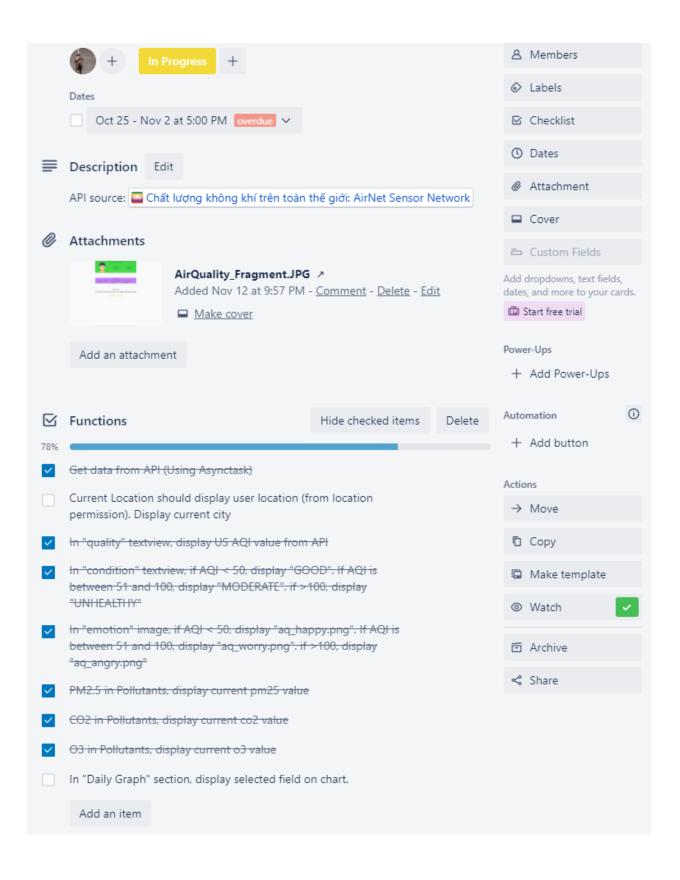
Sprint 3

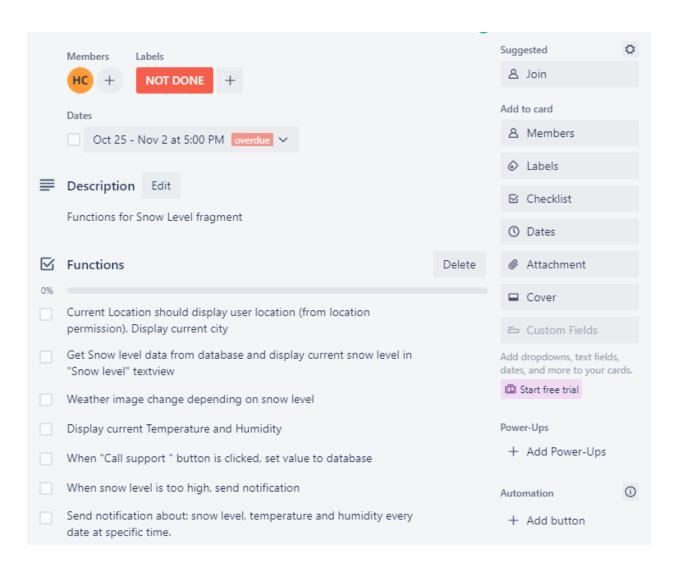
Task Complete: 3 / 7

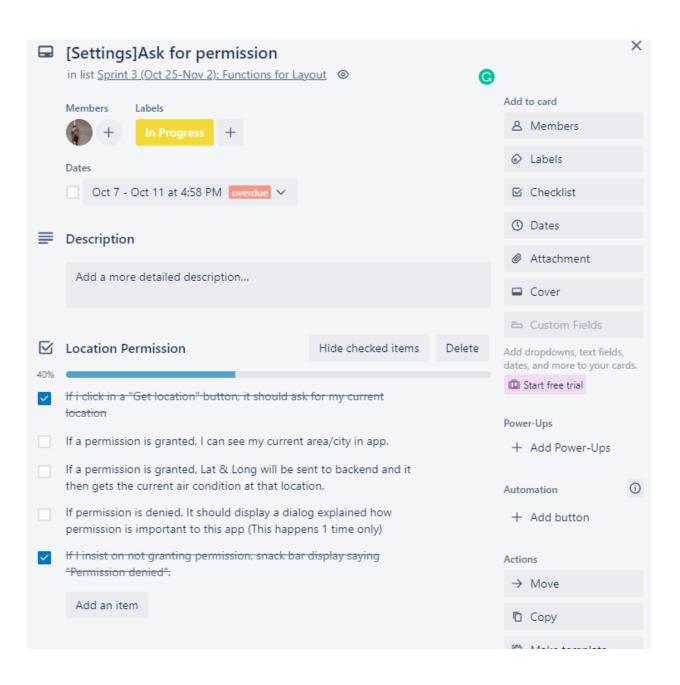


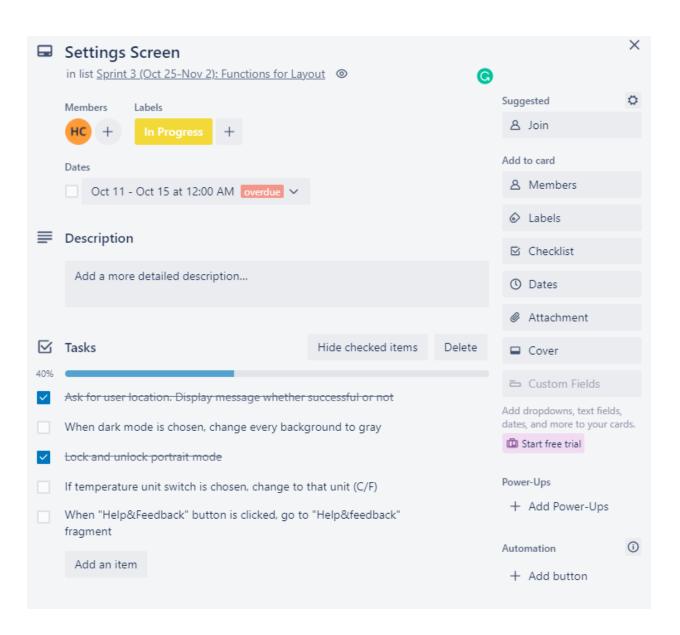


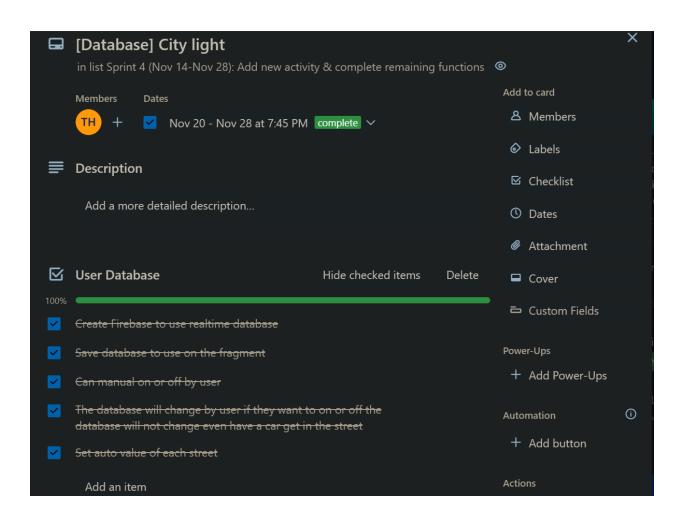




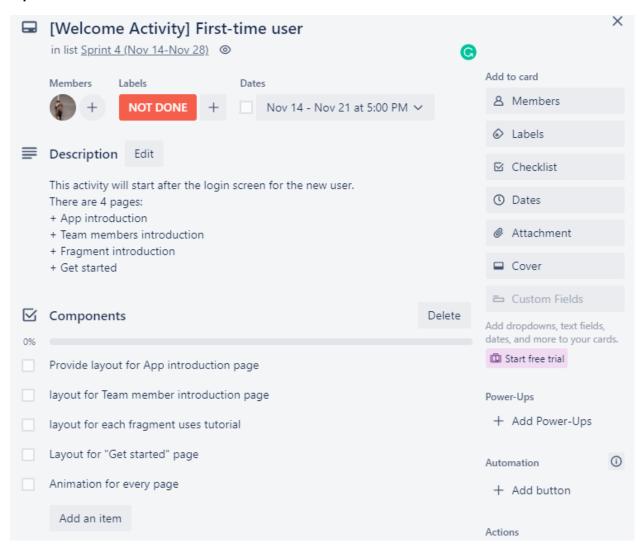


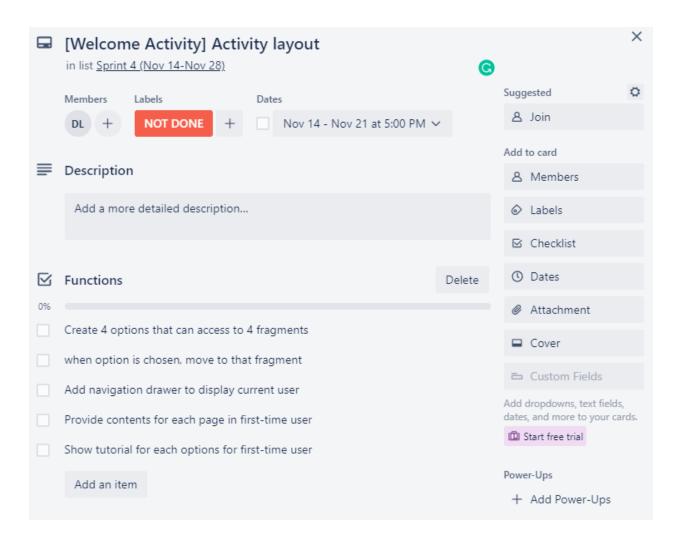


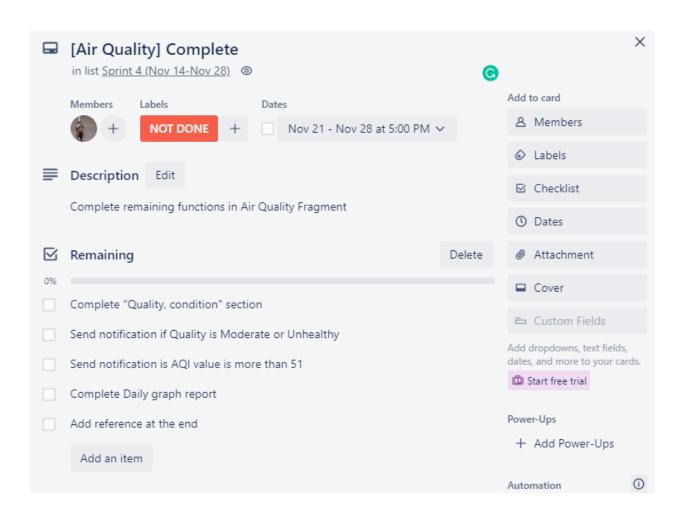


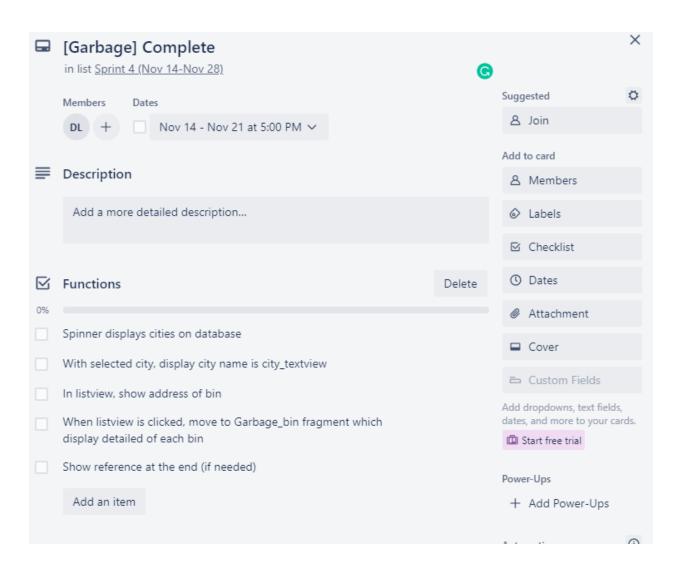


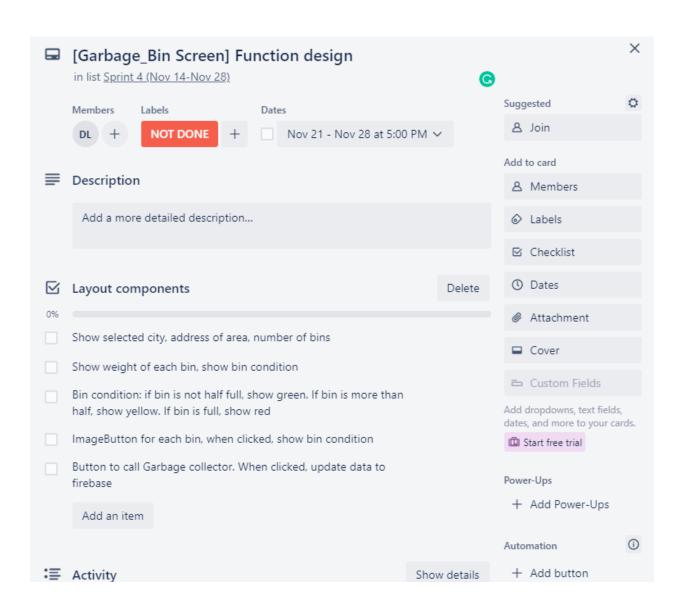
Sprint 4

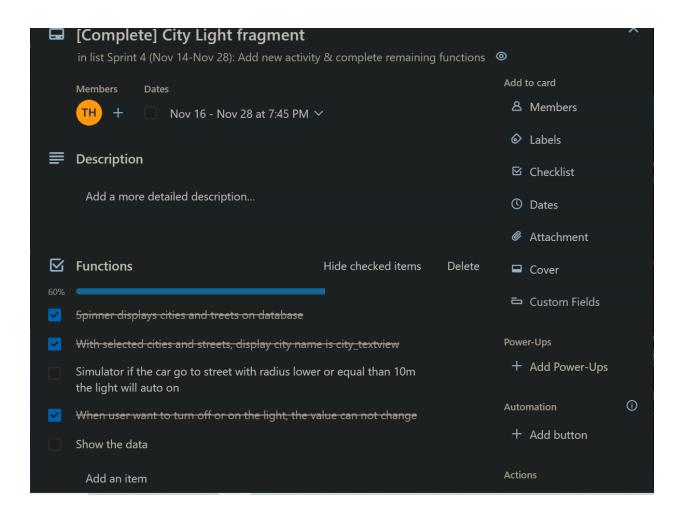










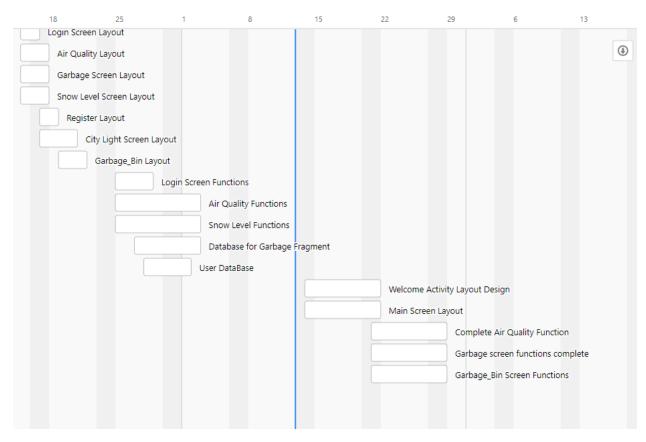


Gantt Chart

Components

- /	Login Screen Functions	Oung Ly	Done	10/25/2021	10/28/2021		
2	User DataBase	Oung Ly	Done	10/28/2021	11/1/2021		
3	Register Layout	Thanh Phat Lam	Done	10/17/2021	10/18/2021		
4	Air Quality Layout	Thanh Phat Lam	Done	10/15/2021	10/17/2021		
5	Garbage Screen Layout	Oung Ly	Done	10/15/2021	10/17/2021		
6	Snow Level Screen Layout	hieuchu.d@gmail.com	Done	10/15/2021	10/17/2021		
7	Garbage_Bin Layout	Oung Ly	Done	10/19/2021	10/21/2021		
8	City Light Screen Layout	Trần Hoà	Done	10/17/2021	10/20/2021		屋
9	Login Screen Layout	Oung Ly	Done	10/15/2021	10/16/2021		
10	Database for Garbage Fragment	Oung Ly	In progress	10/27/2021	11/2/2021		
11	Air Quality Functions	Thanh Phat Lam	In progress	10/25/2021	11/2/2021		
12	Snow Level Functions	hieuchu.d@gmail.com	In progress	10/25/2021	11/2/2021		
13	Welcome Activity Layout Design	Thanh Phat Lam	Todo	11/14/2021	11/21/2021		
14	Main Screen Layout	Thanh Phat Lam	Todo	11/14/2021	11/21/2021		
15	Complete Air Quality Function	Thanh Phat Lam	Todo	11/21/2021	11/28/2021		
16	Garbage screen functions complete	Oung Ly	Todo	11/21/2021	11/28/2021		
17	Garbage_Bin Screen Functions	Oung Ly	Todo	11/21/2021	11/28/2021		
18	Database for city light fragment	Trần Hoà	Done	11/14/2021	11/21/2021	Use data base for text view	
19							

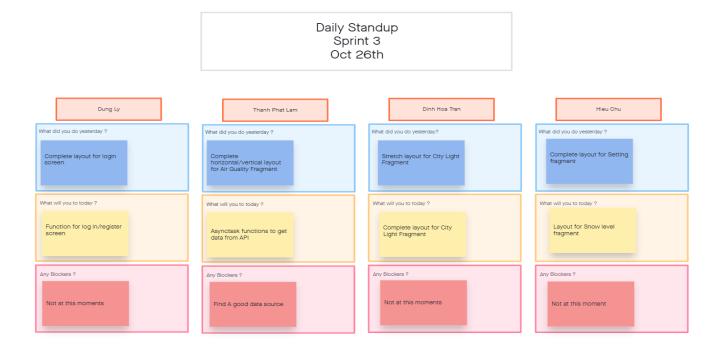
Timeline



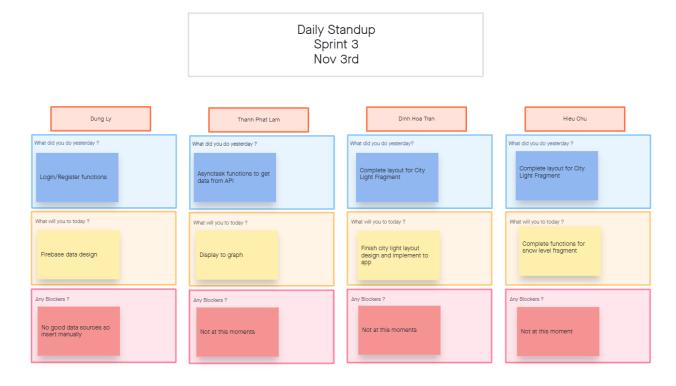
Daily Standup

We contact each other through Discord and Facebook Messages mostly. This is a wrap up for Daily Standup/

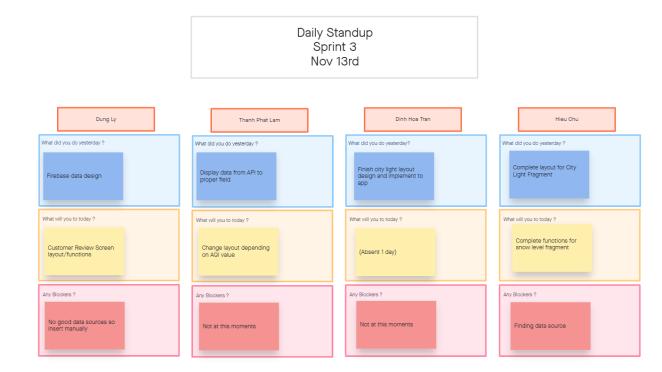
Oct 26th



Nov 3rd



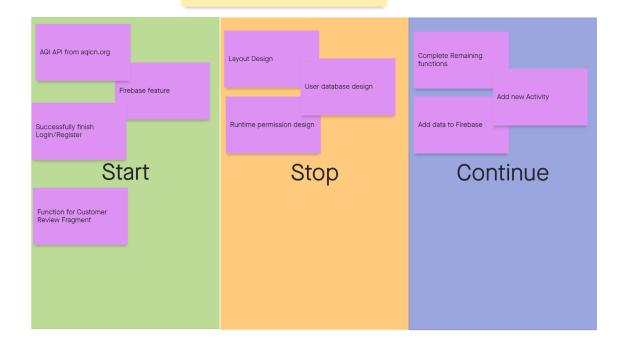
Nov 13rd



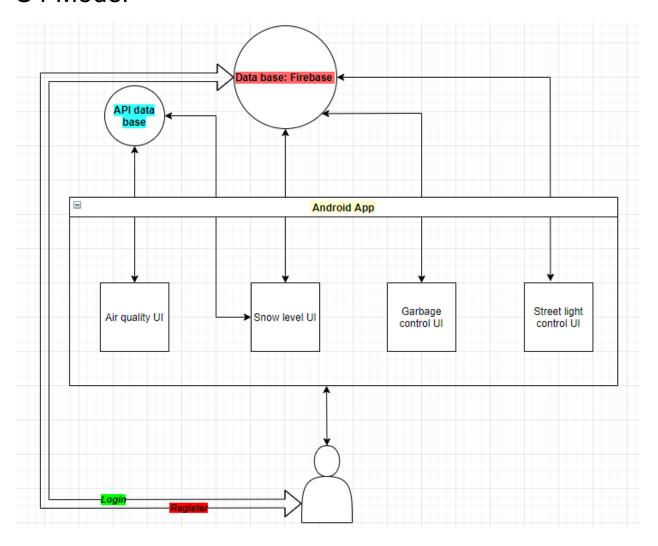
Sprint Retrospective

Sprint 3

Team Meeting Absence: +Nov 13: Dinh Hoa Tran



C4 Model



Design Principles

In this project, we use DRY and KISS principles. Every function should be simple and easy to read. Most of them should be used once only.

In code

These principles are not applied in this yet. Everything is still messy and it will be cleaned up in the next Deliverable.

Design Patterns

Creational Patterns - Builders Creational Patterns - Singleton

Coding Progress

- _Add data to database (FireBase)
- _ Interact with Database
- _ Change UI & layout
- _ Complete Login & Register
- _ Half-complete settings screen
 - + Not complete runtime permission implementation
 - + Terrible layout

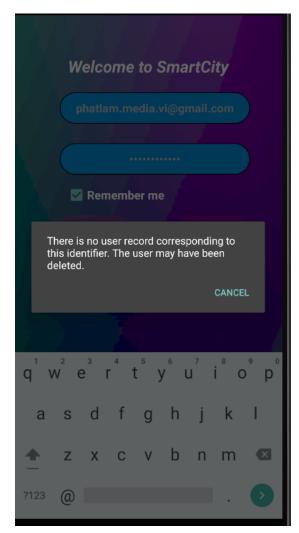
Coding Update

- 2. UI Complete
- 3. There are more than 10 java classes in the project
- 6,7 (not implement design principles, patterns yet)
- 8. Half-finish
- 9. Not implement runtime permission yet
- 10. Complete portrait lock
- 11. In Login, Register, City light fragment
- 12. Complete, in setting screen
- 13. In Air Quality Fragment
- 14,15. Login screen

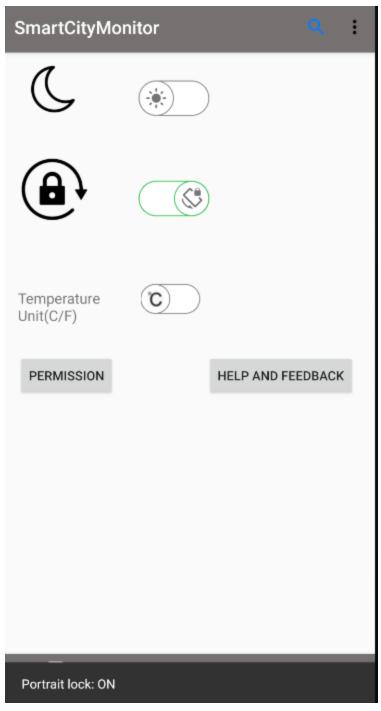
16.

Demonstrate of

a. AlertDialog: Login Screen



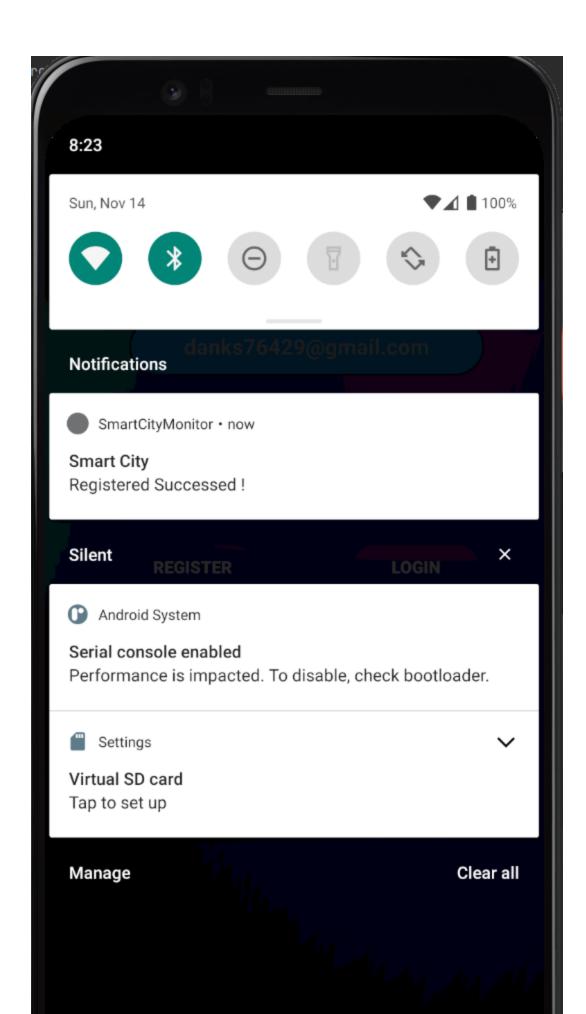
b. SnackBar:



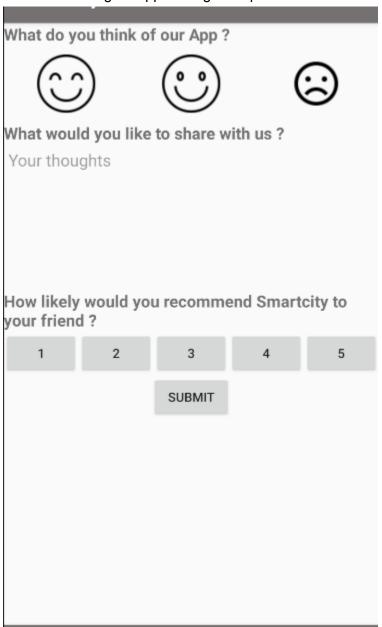
c. Toast

Toast displays when user registers successfully

d. Notification:



17.
Customer Review Screen
In Menu> Settings > App Setting > Help & Feedback



18. Completed

(There are bugs in the app that can crash: Rotate from portrait to horizontal in Air Quality fragment crash (RetainFragment problem), but if the phone is already rotated, it works).