Project Development Phase Sprint-3

Date	12 November 2022
Team ID	PNT2022TMID35841
Project Name	Gas Leakage Monitoring and Alerting System

Sprint Target:

Sprint	Functional	User Story	User Story / Task	Story Points	Priority	Team
	Requirement (Epic)	Number				Members
Sprint-3	Data Viewing	USN-6	As a user, I can view the parameters and statistics on the kitchen environment	20	High	SUDARSHAN A R, B ADITYA, PREETHI B

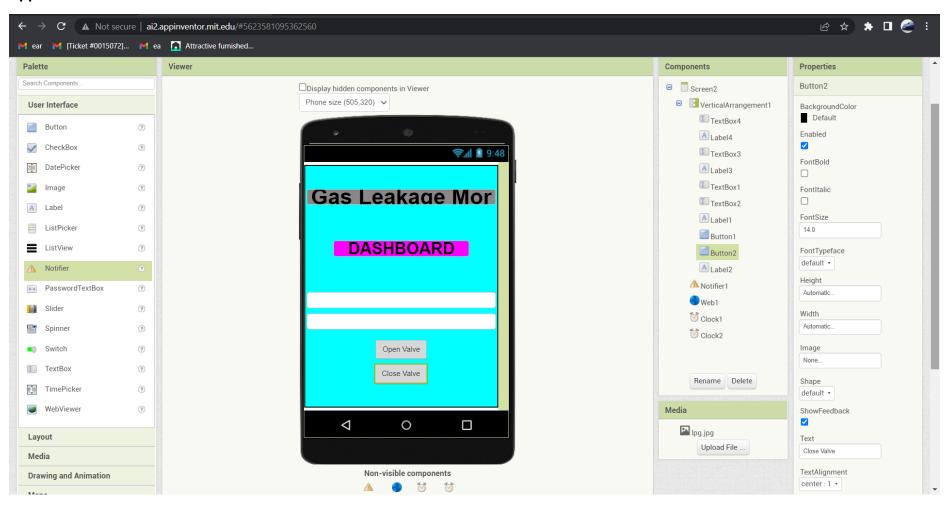
Introduction:

In this Sprint-3, we have developed the dashboard of the app to update the Gas concentration from the sensor data.

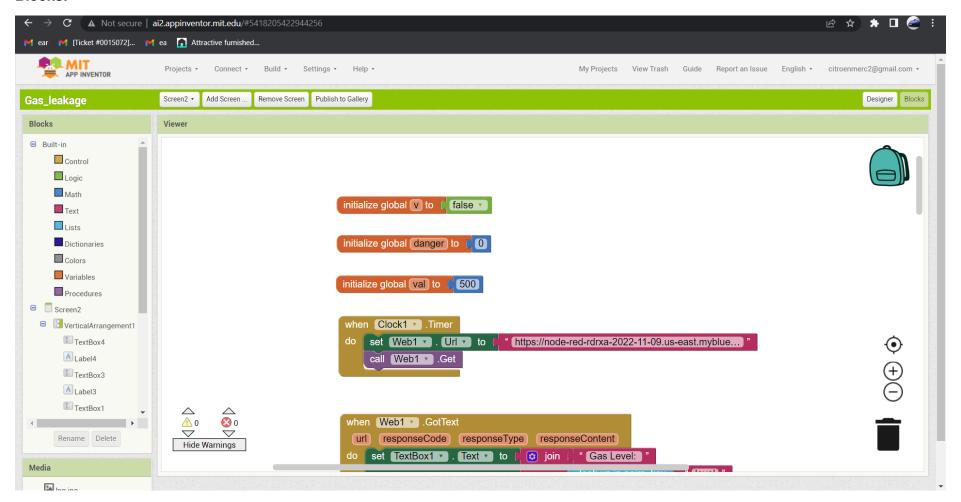
Dashboard Description

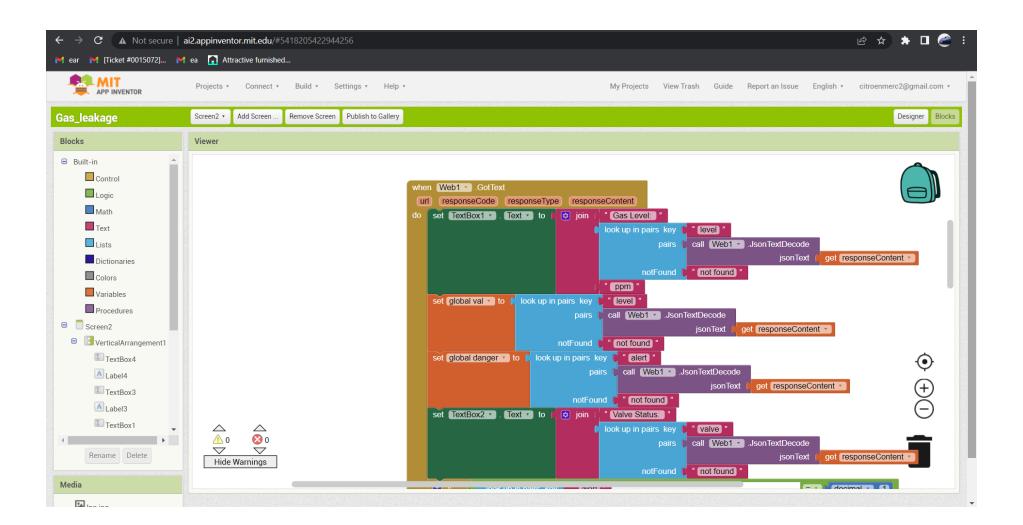
The Dashboard consists of 2 textboxes which display the Gas concentration in ppm and a valve status. The valve will automatically close when the Gas concentration increases 500ppm. This will gradually reduce the Gas concentration in the room to near 0 ppm.

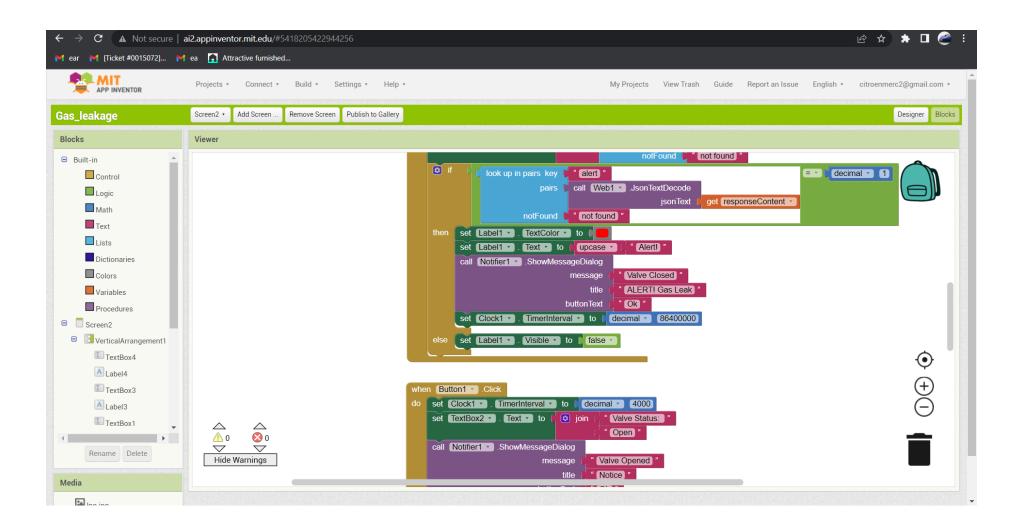
App UI:

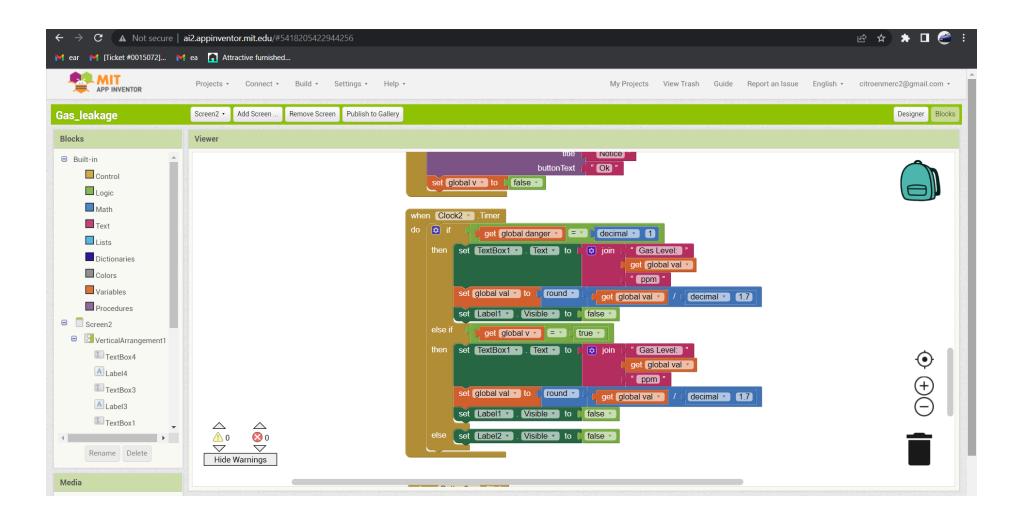


Blocks:



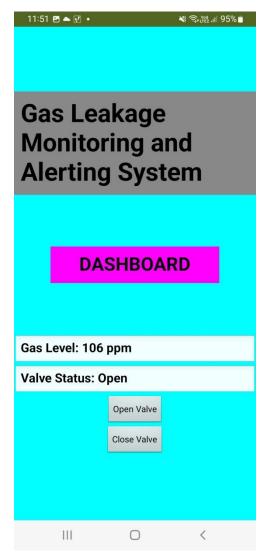


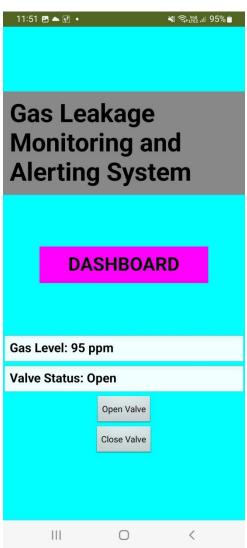




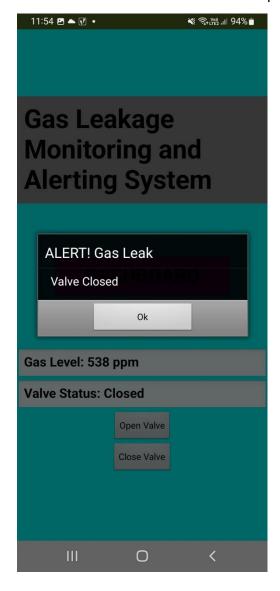
Demo:

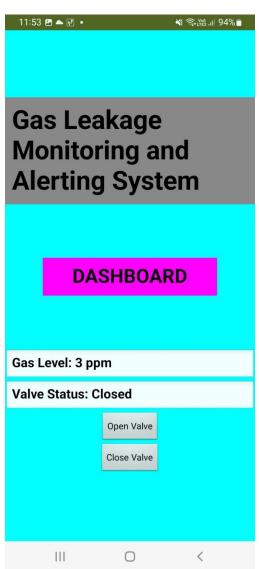
The gas levels change as the sensor reading changes:





When the concentration increases 500pm, the valve is closed and the concentration decreases.





In the last sprint, we will allow the user to manually the control the valves (using the buttons).