

## canvas

Use this framework to empathize v a customer, user, or any person wh is affected by a team's work. Document and discuss your observations and note your assumptions to gain more empathy for the people you serve.

Originally created by Dave Gray at

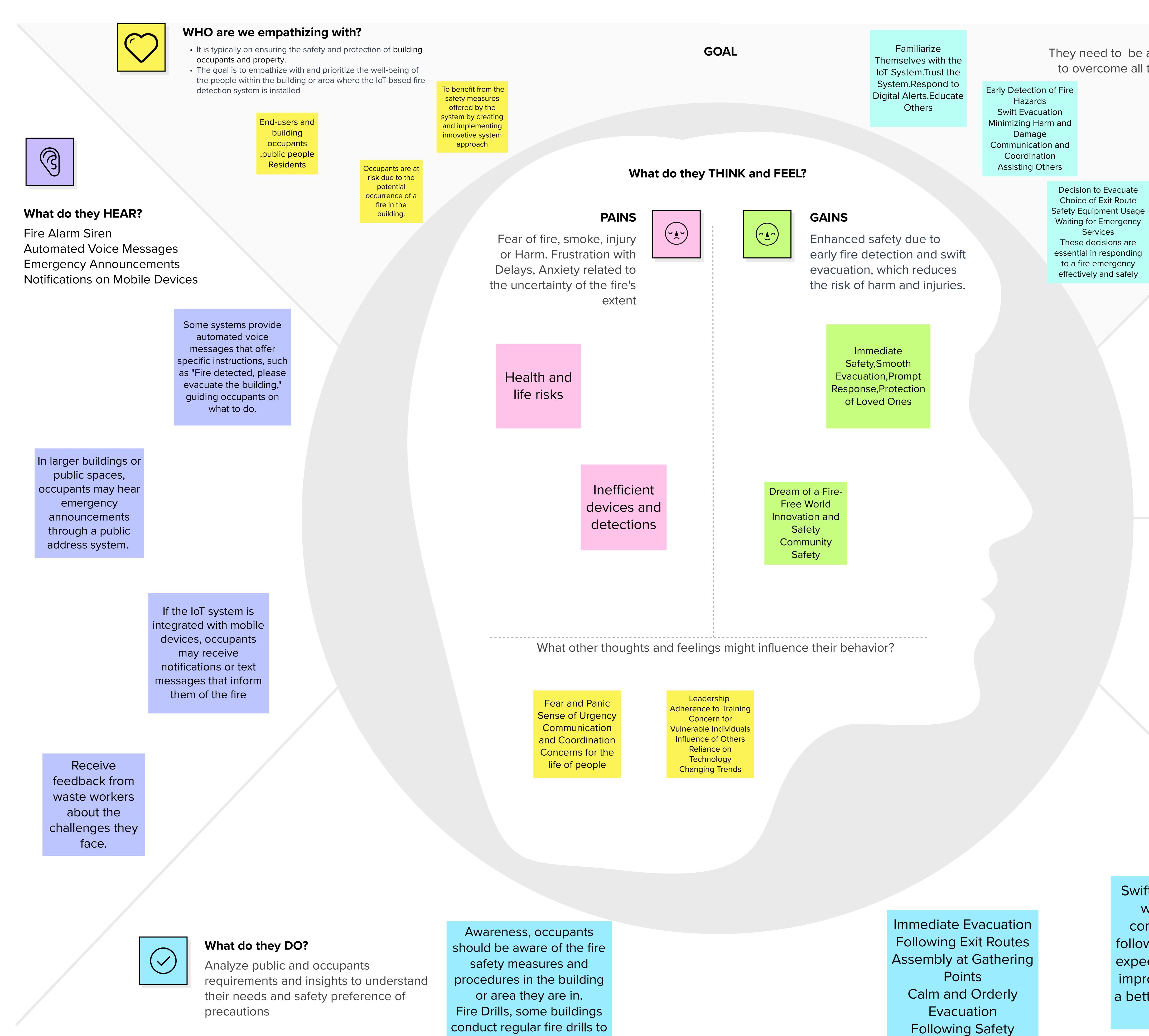


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## Detect Smoke With The Help Of IOT Data And Trigger A Fire Alarm using Machine Learning

This machine learning project aims to use IoT data to enhance smoke detection and fire alarm triggering for improved safety and security. It addresses the limitations of traditional fire detection systems, focusing on early detection, remote monitoring, and data-driven decisionmaking. The project aims to make fire alarm systems more effective, adaptable in various settings, including residential, commercial, industrial, and public spaces. The objectives include developing machine learning models, assessing their performance, confirming the solution's effectiveness.



What do they need to DO?

They need to be always innovative and unique to overcome all the competitions and rivals to do always better than them

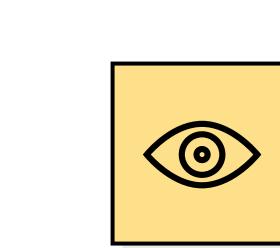
Success is indicated when occupants are able to evacuate the building safely and without injury. A lack of injuries or casualties during the evacuation is a positive outcome.

Visual Alarms Digital Signage
Building Maps
Exit Signs Emergency Lighting

Witness the fire and burning of things and buildings

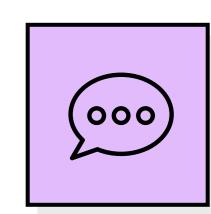
Notice and observe the cause without these smoke detection devices and fire alarms

and threats of product



## What do they SEE?

Bright flashing lights as visual alarms accompany auditory alarms to alert occupants to the presence of a fire. These lights ensure that people with hearing impairments and those in loud environments can be alerted.



## What do they SAY?

occupants may say various things as they communicate and coordinate with others to ensure their safety

Express the need for a more effcient way for the system of this solution.

> Seek ways to improve the detection device to save more people from these incidents

Swift response along with enhanced communication by following IOT data and expect to contribute to improved data having a better trust .Evacuate effectively

Protocols

conduct regular fire drills to prepare occupants for fire emergencies to practice to evacuate buildings.

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