### ARMING AGAINST VIOLENCE - YOLO-BASED WEAPON DETECTION

A YOLO-based weapon detection project would involve using the YOLO (You Only Look Once) algorithm to detect weapons in images or video streams. The YOLO algorithm is a real-time object detection system that is particularly well-suited for detecting multiple objects in an image or video frame. The project would likely involve training a YOLO model on a dataset of images and videos that contain weapons, and then using the trained model to detect weapons in new images or videos. The goal of the project would likely be to provide a tool that can help to identify and prevent acts of violence by detecting weapons in real-time.

#### WHO are we empathizing with?

Who is the person we want to understand? What is the situation they are in? What is their role in the situation?

You are empathizing with potential users of your YOLO-based weapon detection application. The person you want to understand is an individual concerned about personal safety

The Person: Concerned about safety: This person has genuine concerns about their personal safety and the safety of their loved ones.

• Everyday life: Your potentia users find themselves in various everyday situations including walking through their neighborhoods, commuting to work, attending public events, o traveling to unfamiliar

What do they HEAR?

There can be Workplace

Discussions and

Safety Measures
Discussions

among colleagues.

They can hear from media reports, public concerns, social media, etc.

What they do

**Awareness and** 

vigilance, Use of

safety measures.

safety tools, Public

What are they hearing others say?

What are they hearing from friends?

What are they hearing second-hand?

What are they hearing from colleagues?

They can hear recommendations

and user experiences from their friends.

Community

News, Safety

Advice from

second-hand

What do they DO?

Behavior we've

Precautionary

observed:

measures,

**Situational** 

awareness.

What do they do today?

What behavior have we observed?

What can we imagine them doing?

What we can imagine

application, Sharing

positive experiences,

community safety,

Providing feedback

Advocating for

them doing:

**Using your** 

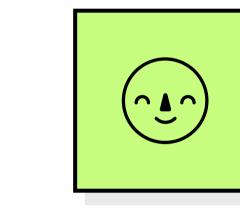
Their Role in the Situation: **Protector: In each of these** situations, their primary role is to protect themselves and those around them from potential threats, such as violence, theft, or harassment.

# What do they THINK and FEEL?

**GOAL** 

### **PAINS**

What are their fears, frustrations, and anxieties?



**GAINS** 

What are their wants, needs, hopes, and dreams?

Needs:

Effective weapon

detection, User-

friendly interface,

Privacy and data

security.

Wants: **Enhanced** safety, Peace of mind, **Empowerment.** 

Frustrations: Ineffective or slow response, Complex or unreliable technology, Lack of awareness.

**Anxieties:** about being a victim, public

spaces, Data

security anxiety.

Fears:

Fear of

violence, Fear

of personal

harm, Privacy

concerns.

**Hopes and Dreams:** A safer world, Enhanced community safety, Personal and family security, Lifestyle without fear.

What other thoughts and feelings might influence their behavior?

There is always a fear factor and a lack in trust if a particular application or machine would work in the time of need.

Also at the time of a problem, they might get super scared or anxious and not be able to react accordingly.

#### What do they need to DO?

**Enhance** 

personal

safety,

Achieve peace

of mind.

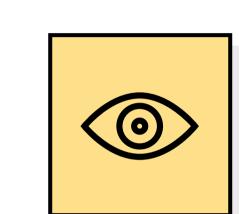
What do they need to do differently? What job(s) do they want or need to get done? What decision(s) do they need to make? How will we know they were successful?

**Activate the** app, Navigate the user interface, Stay vigilant, Take action,

**Embrace** technology for safety, Stay informed

They will they are successful through: User feedback, Incident prevention, **Engagement and** usage, Safety

statistics



## What do they SEE?

What do they see in the marketplace? What do they see in their immediate environment? What do they see others saying and doing? What are they watching and reading?

> Users in the marketplace are likely to encounter a variety of security and safety applications. These may include surveillance systems, personal safety apps, and even augmented reality applications.

> > apps and

technologies.

challenges, such as concerns about violent incidents, theft, or attacks. Users often turn to social media, online forums, and reviews to learn about new safety

Your target users may be reading news articles, watching videos, and following blogs related to personal safety and security. Stay updated on current events and trends in weapon detection

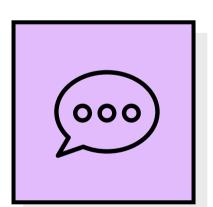
technologies.

In their immediate

environment, users

may encounter

various safety



### What do they SAY?

Privacy and data security concerns

Interest in technology

What have we heard them say? What can we imagine them saying?

> Appreciation for real-time weapon detection

Relief from constant vigilance

Requests for user-friendly

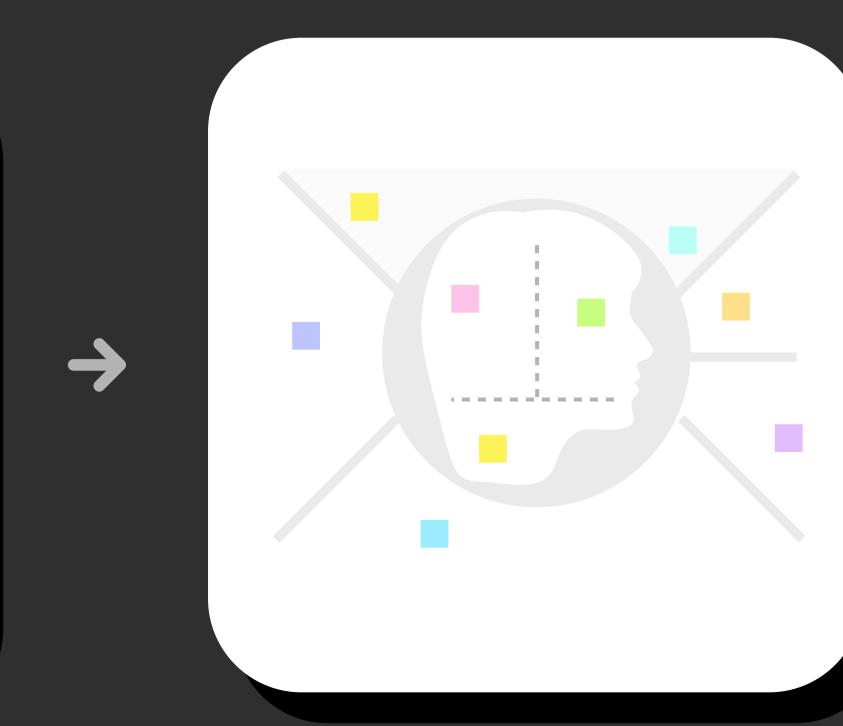
features

and support Sharing success stories

**Desire for continuous updates** 

Need some inspiration? See a finished version of this template to kickstart your work. Open example







Concerns about personal safety

Desire for proactive solutions