SYSTEM DIAGRAM AND UI DESIGN

Final Year Project

Software Requirement Specification

For

AI Smart Behavior Analysis

BSCS

By

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Supervised by:

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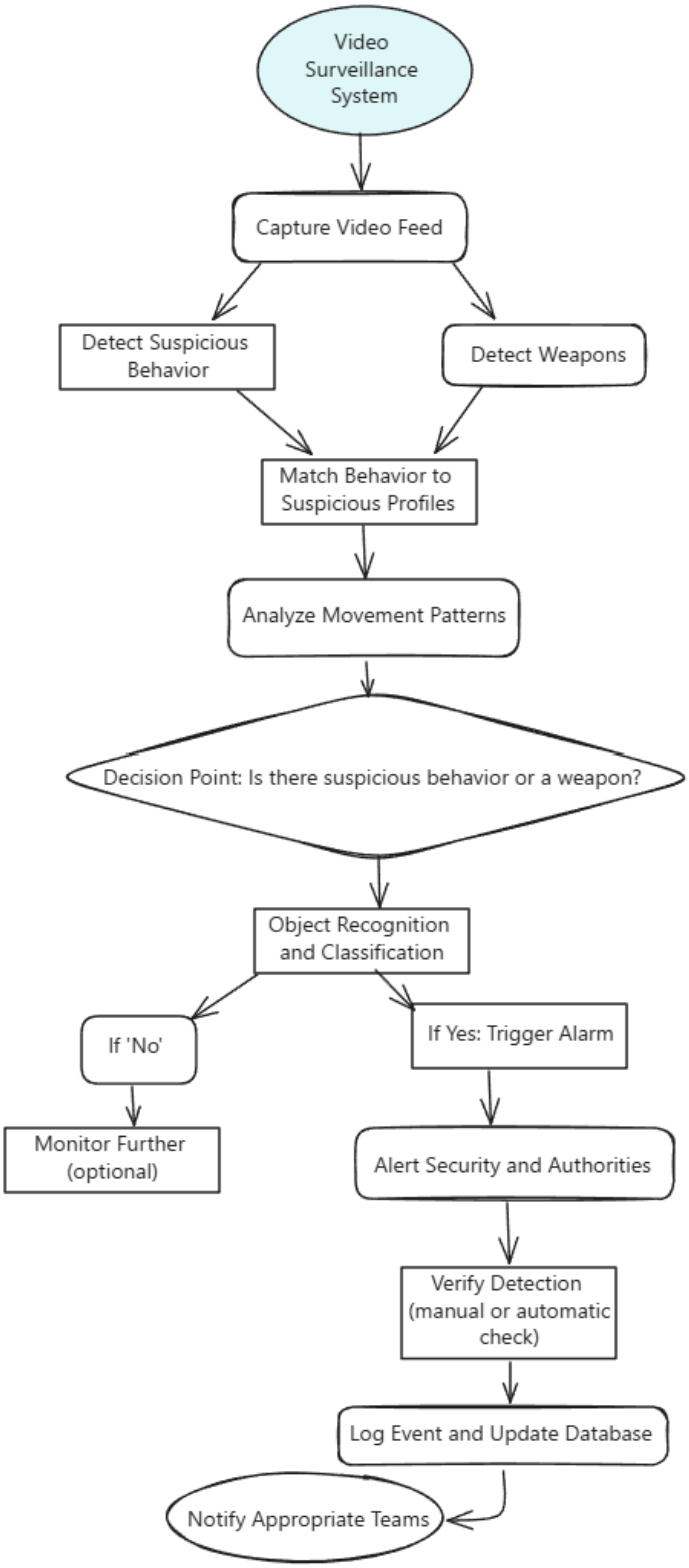
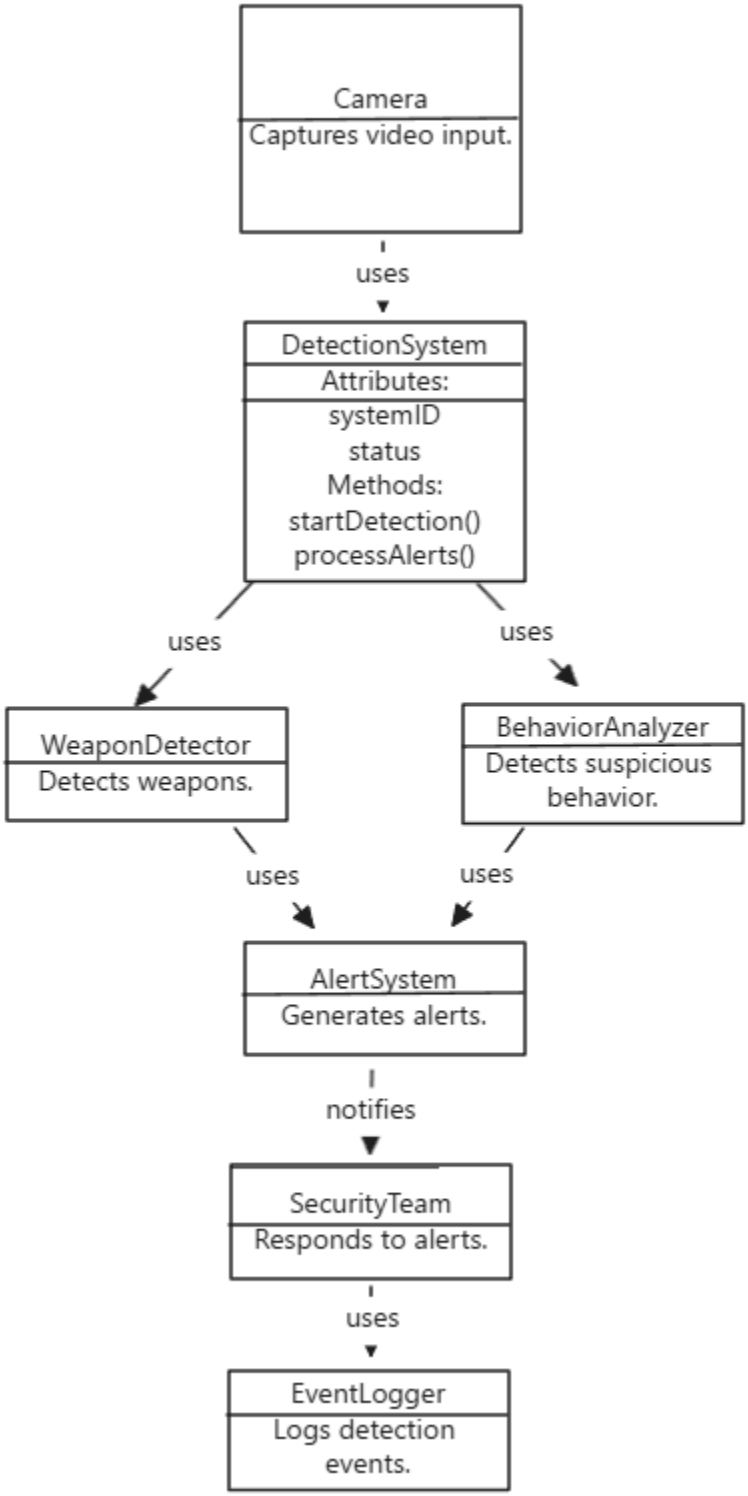
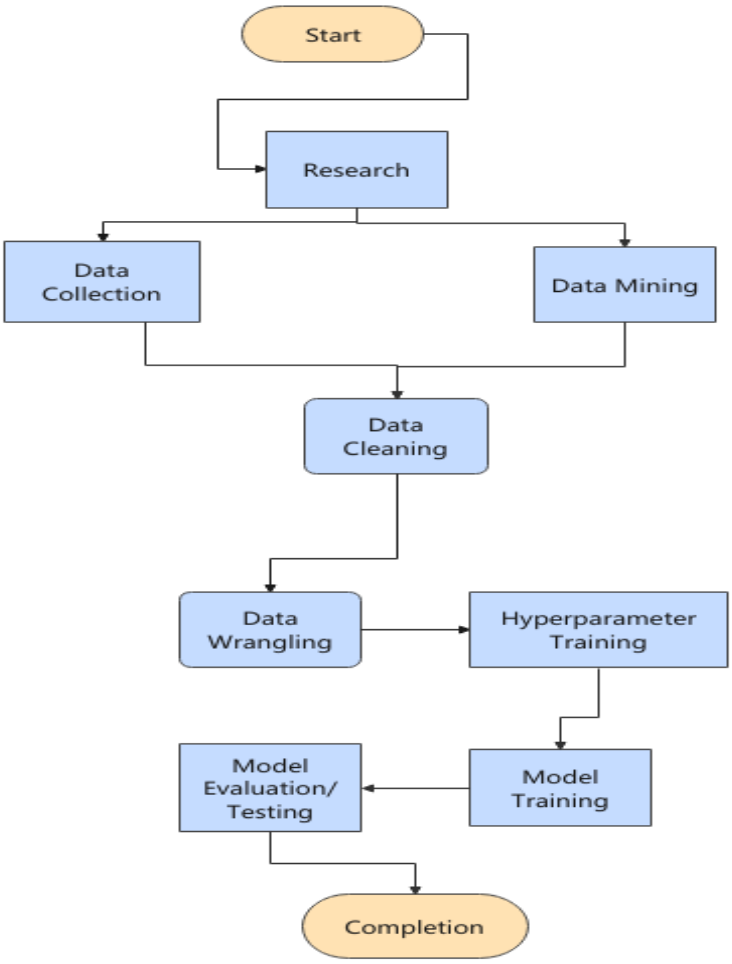
Activity Diagram:



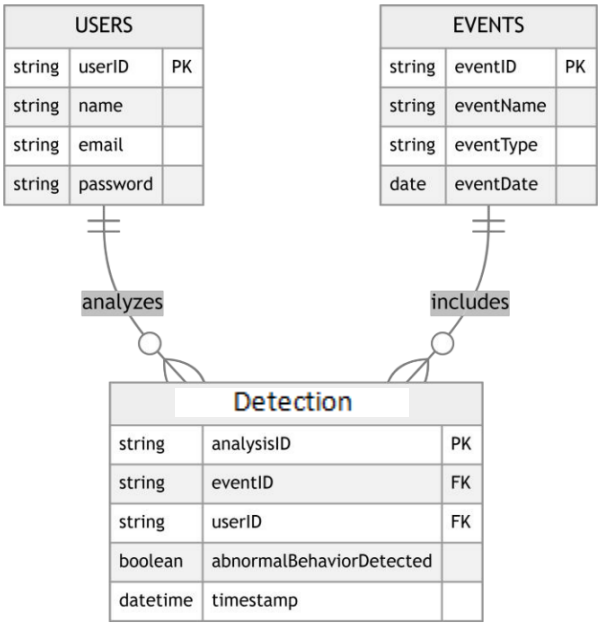
Class Diagram:



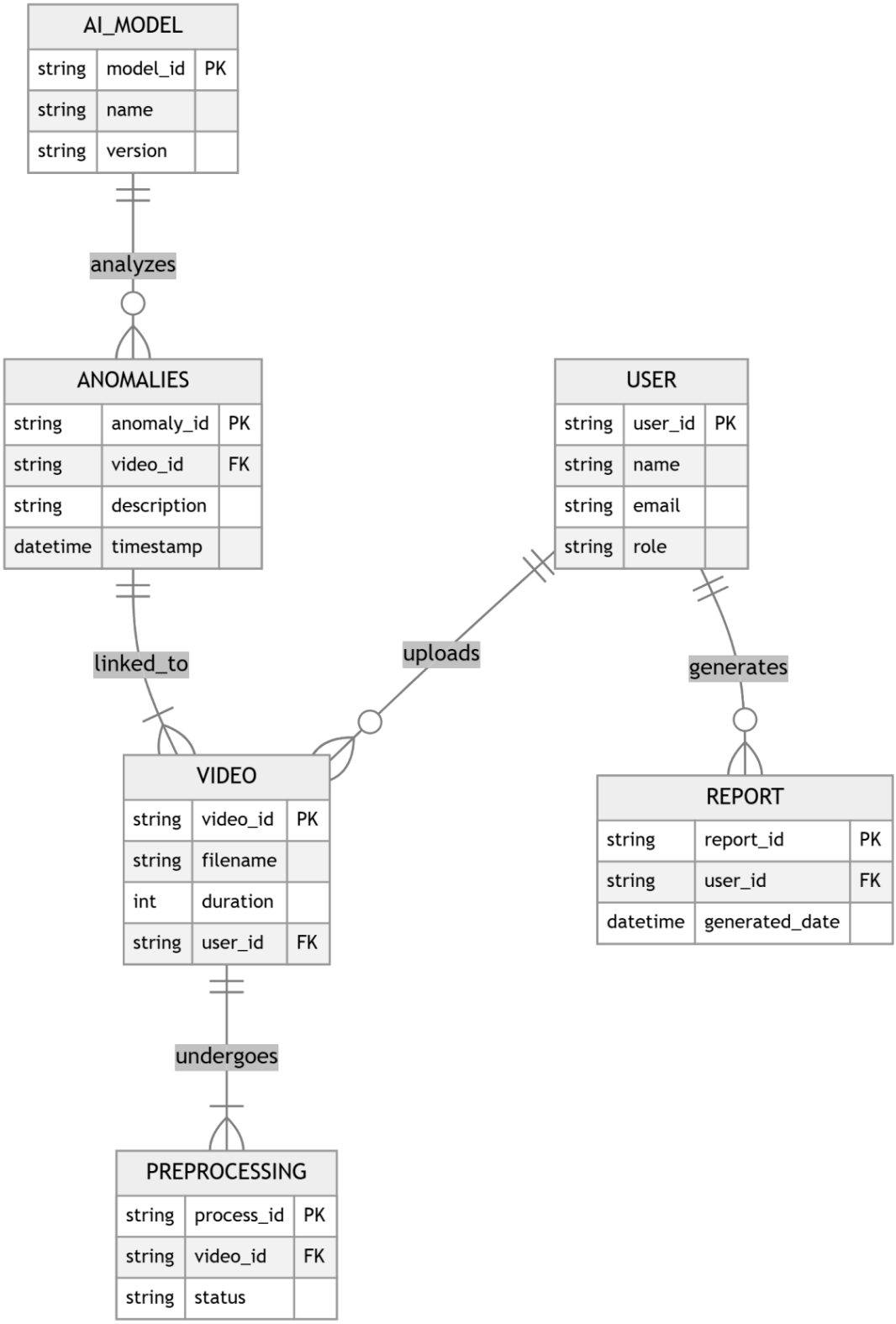
Workflow Flowchart:



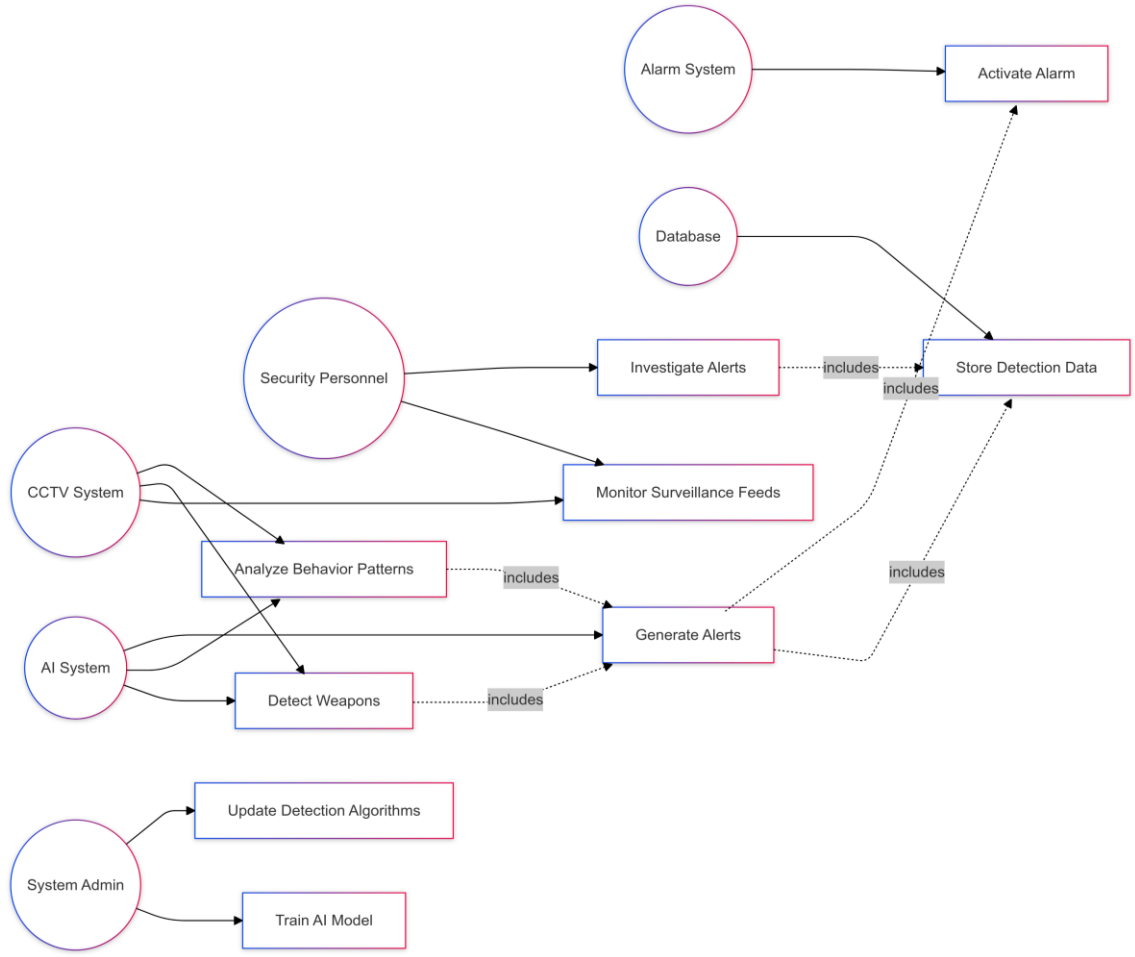
Database Diagram:



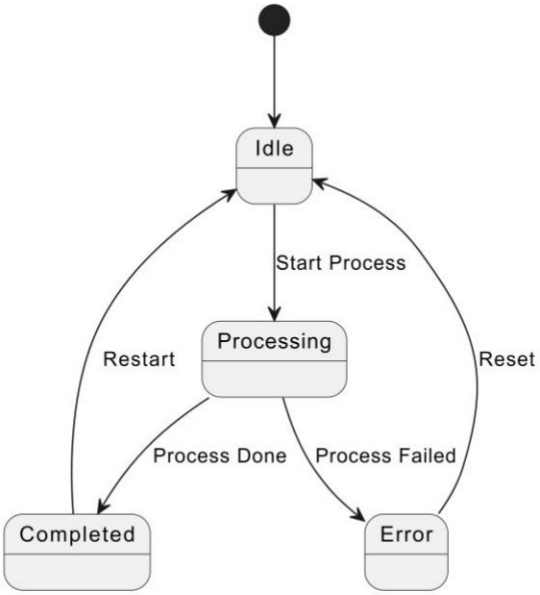
ER Diagram:


AI_MODEL
string model_id PK
string name
string version
analyzes
ANOMALIES
string anomaly_id PK
string video_id FK
string description
datetime timestamp
USER
string user_id PK
string name
string email
string role
linked_to
uploads
generates
VIDEO
string video_id PK
string filename
int duration
string user_id FK
REPORT
string report_id PK
string user_id FK
datetime generated_date
undergoes
PREPROCESSING
string process_id PK
string video_id FK
string status

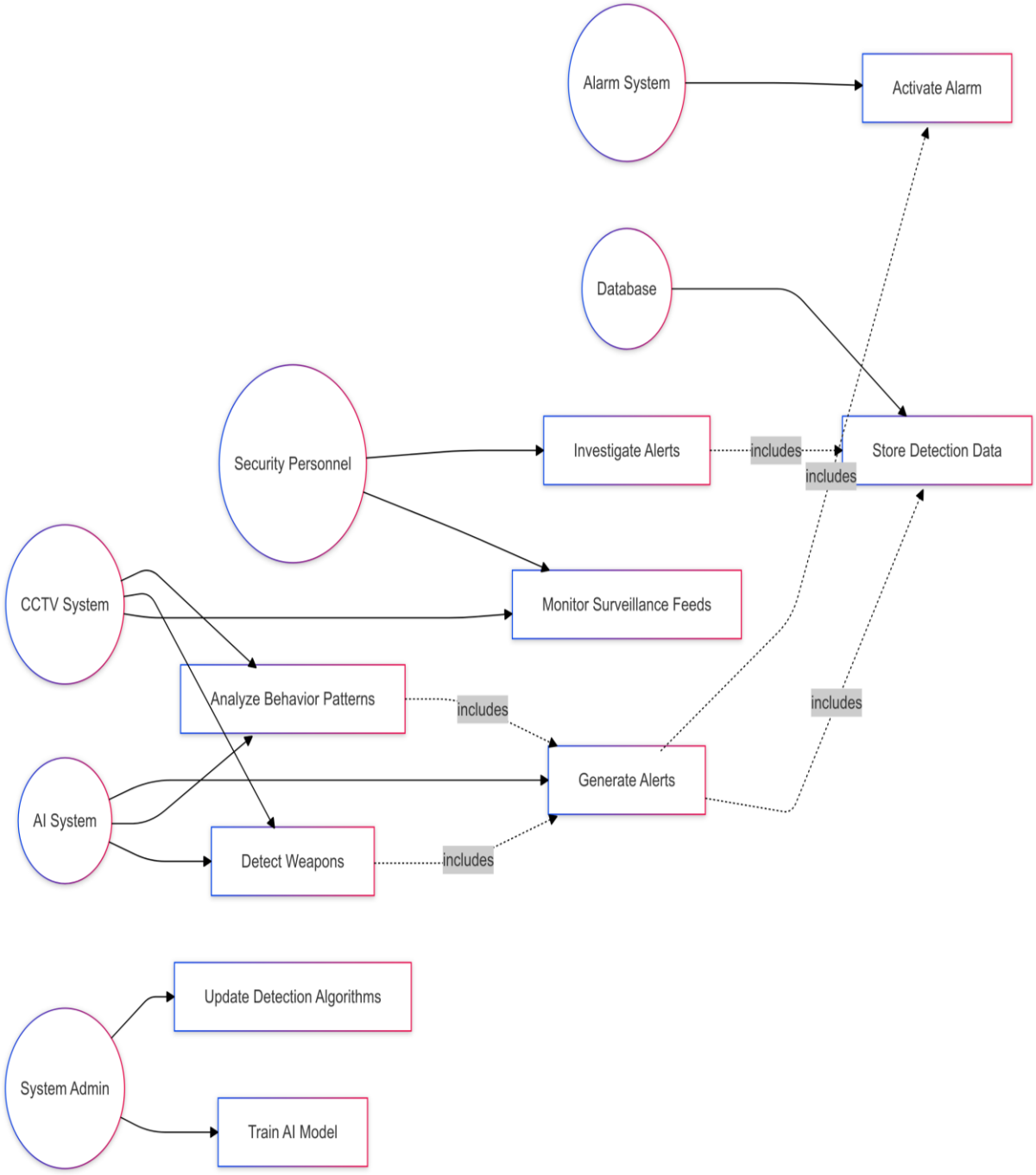
Use Case Diagram:



State Machine Diagram:



Data Flow Diagram:



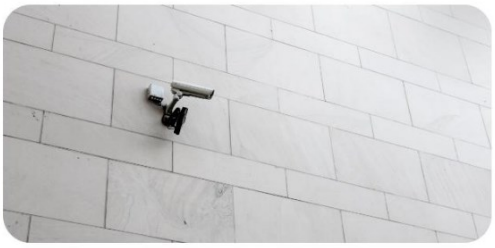
PROTOTYPE UI

Real-Time Monitoring

Stay updated with live crowd behavior insights.

Comprehensive Video Analysis

Analyze past events with recorded footage.



Smart Behavioral Insights

(1)

AI-Powered Detection

Harness the power of artificial intelligence to identify unusual behaviors and potential threats in real-time. Your safety is our priority!

(2)

Multiple Input Sources

Utilize webcam feeds, CCTV footage, and pre-recorded videos for comprehensive analysis. We've got eyes everywhere!

(3)

Alert System

Instant alerts for irregular crowd movements, placards, and weapons. Because who doesn't love a good alarm when things get spicy?

Safety

Stay ahead of the crowd with our cutting-edge technology that keeps you informed and secure.

I. Real-Time Monitoring

II. Threat Detection

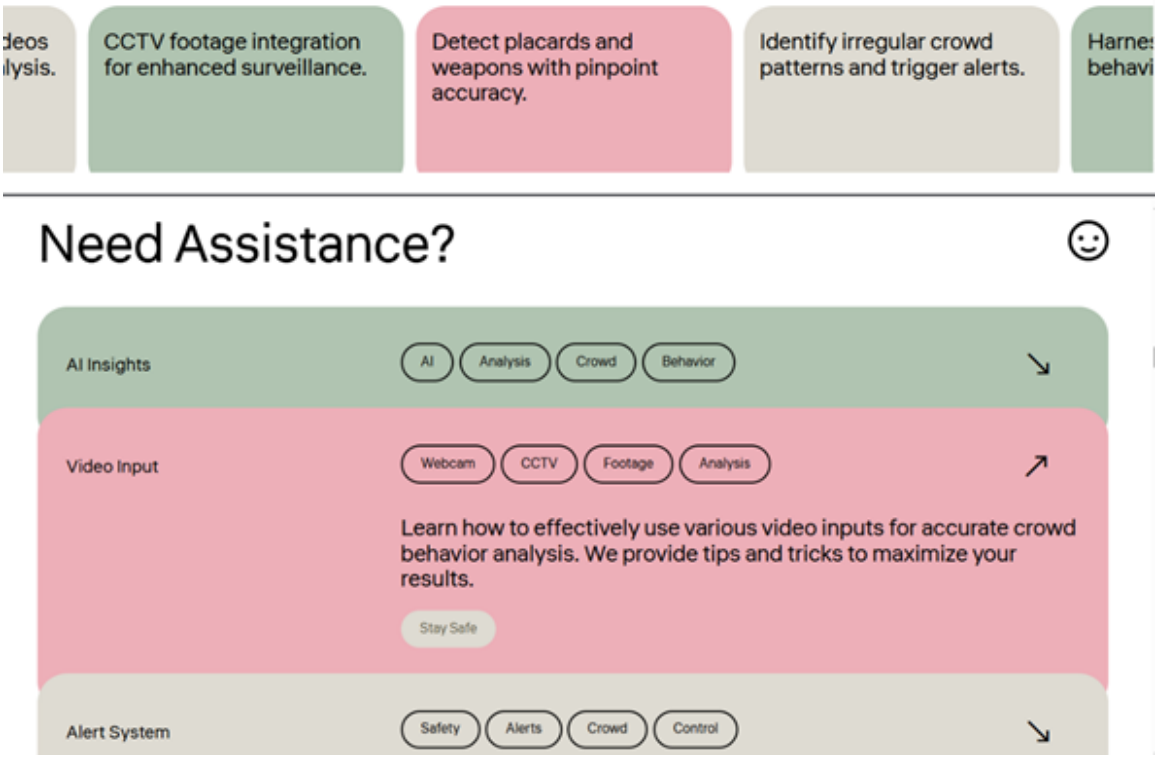
III. Crowd Behavior Analysis

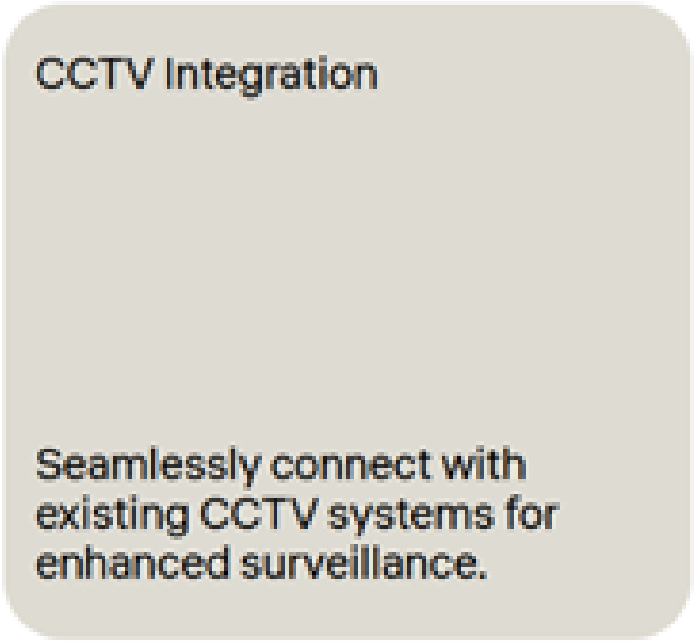
IV. Instant Alerts

Watch Now

Check out our demo video showcasing how our system works. Spoiler: It's pretty awesome and might just save your day!

Features


deos
lysis.
CCTV footage integration for enhanced surveillance.
Detect placards and weapons with pinpoint accuracy.
Identify irregular crowd patterns and trigger alerts.
Harne
behavi
Need Assistance?
AI Insights
AI
Analysis
Crowd
Behavior
Video Input
Webcam
CCTV
Footage
Analysis
Learn how to effectively use various video inputs for accurate crowd behavior analysis. We provide tips and tricks to maximize your results.
Stay Safe
Alert System
Safety
Alerts
Crowd
Control


CCTV Integration
Seamlessly connect with existing CCTV systems for enhanced surveillance.

Home Screen Layout:

MENU
Analyze Threats
View Logs
See Database
See Login Info
ISO 800
F2.2
HD1080P
CAM1