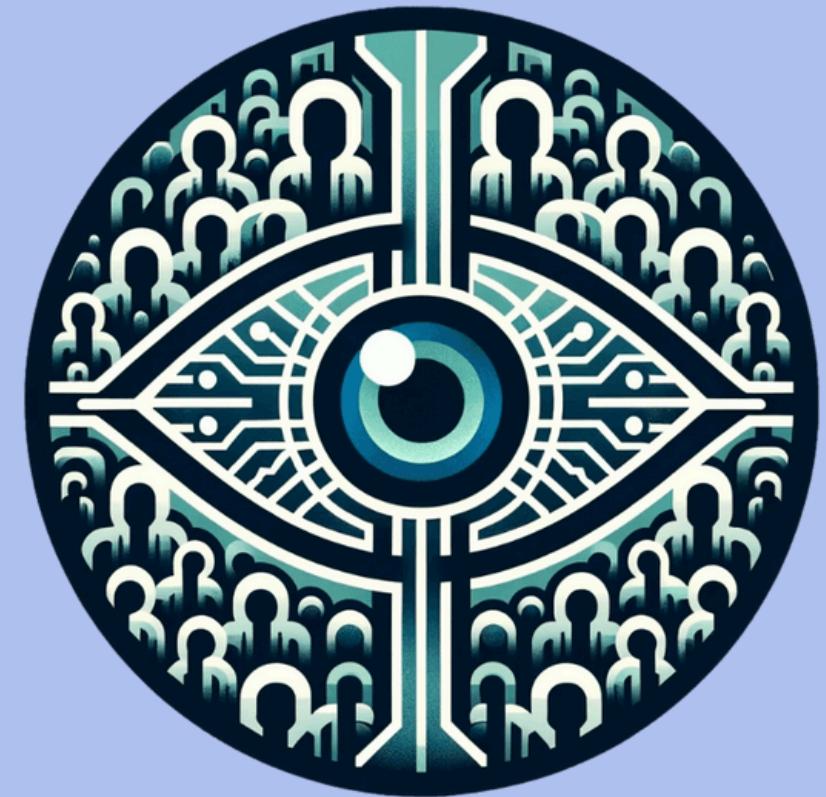


INSIGHTIO

CENG 408 Presentation



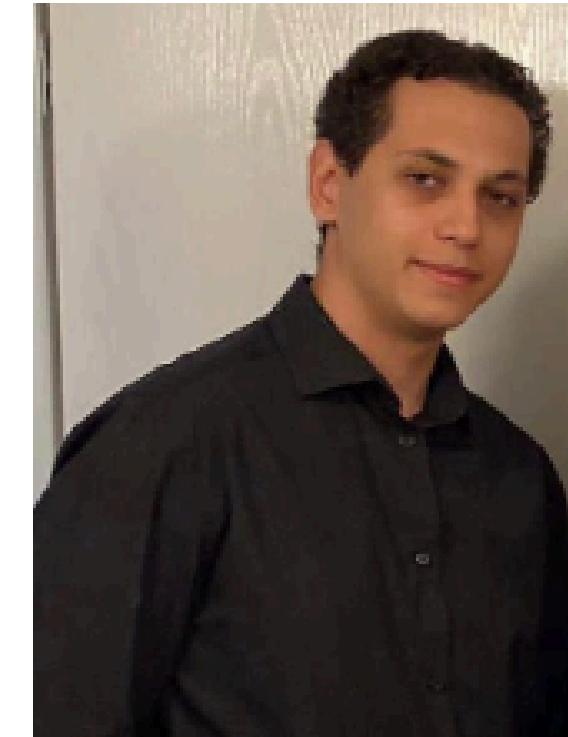
TEAM MEMBERS



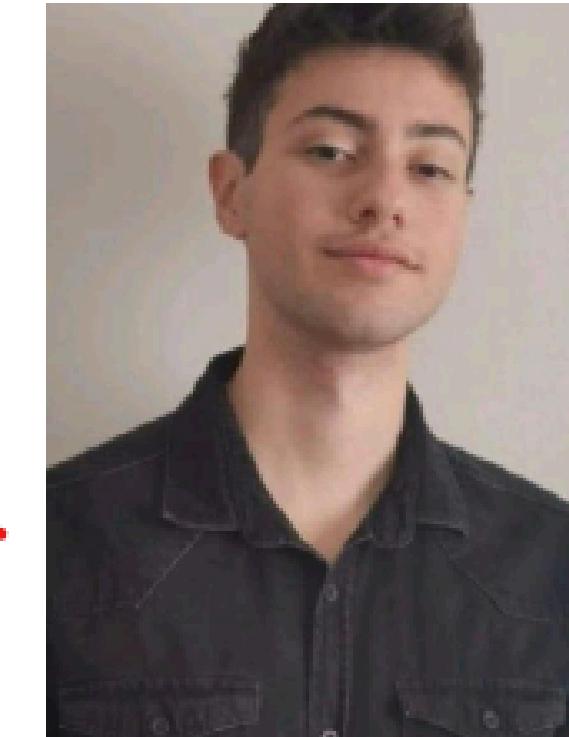
Eda Nur Altunok



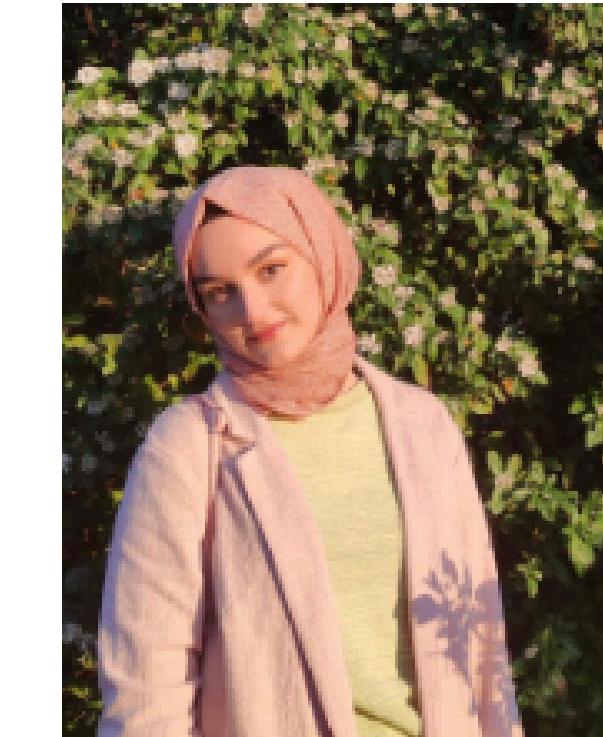
Ekin Nalçacı



Günalp Güngör



Utku Özbek



Zeynep Polat

ADVISOR

SERDAR ARSLAN

PROJECT PURPOSE

PROBLEMS

VISION

MISSION



PROBLEMS



Cafeterias or Restaurants

PROBLEMS



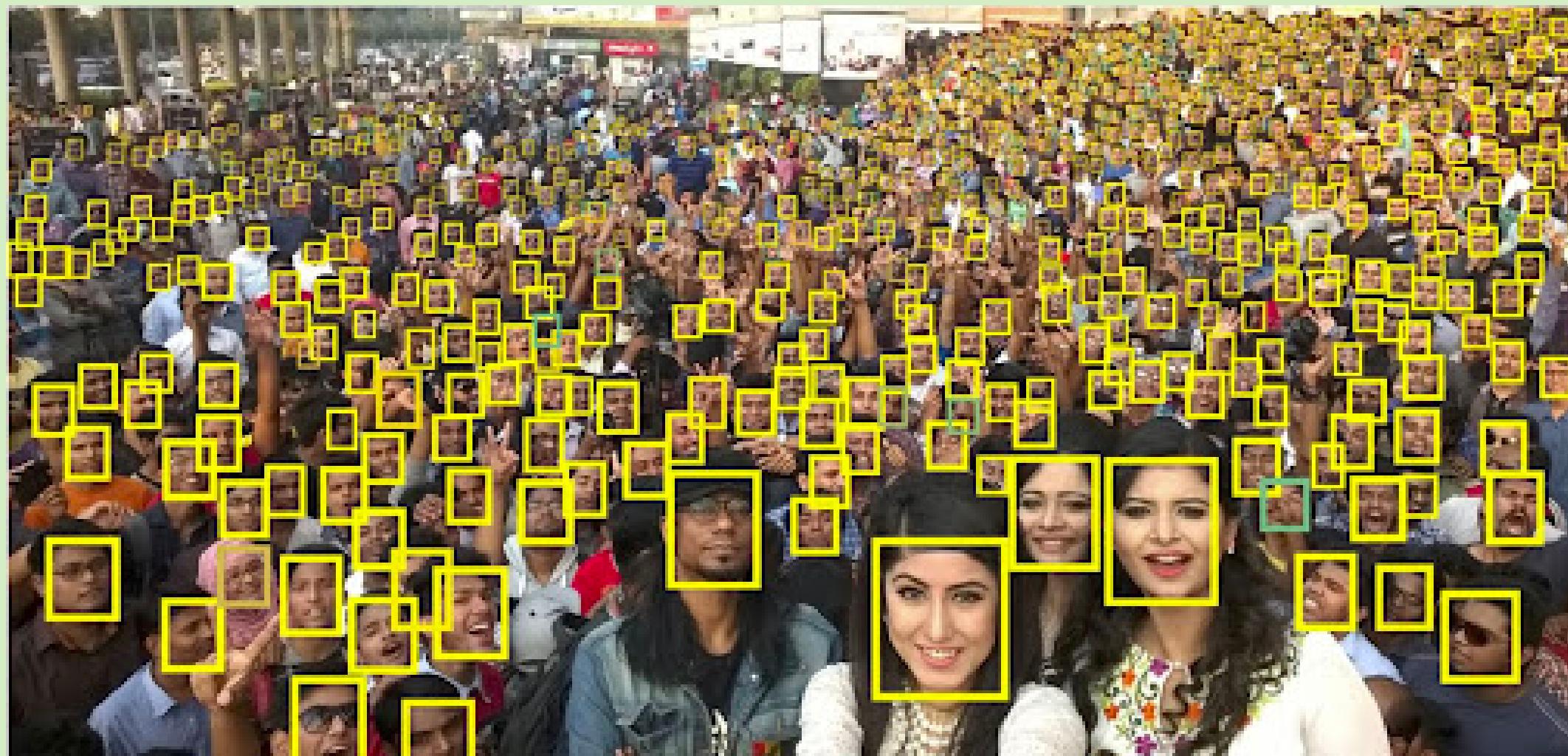
Person Capacity

PROBLEMS



Animal Counting

PROBLEMS



Concert Halls or Public Gatherings

MISSION

Aspire to guide daily operations
more efficiently

Adopt a more conscious approach to
strategic decision-making

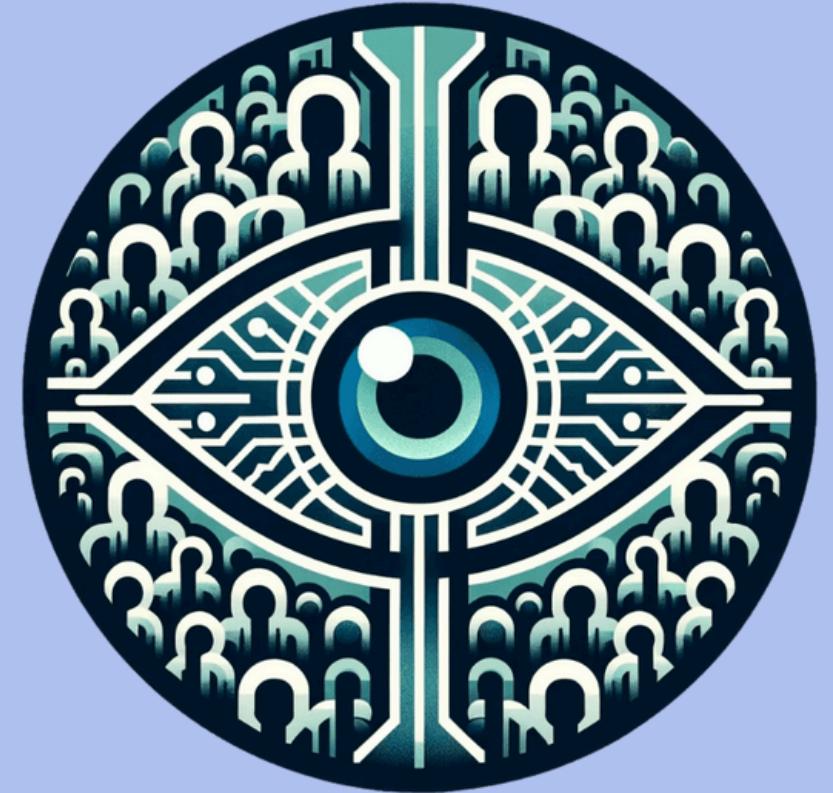
Contribute to the operational
processes of businesses

VISION

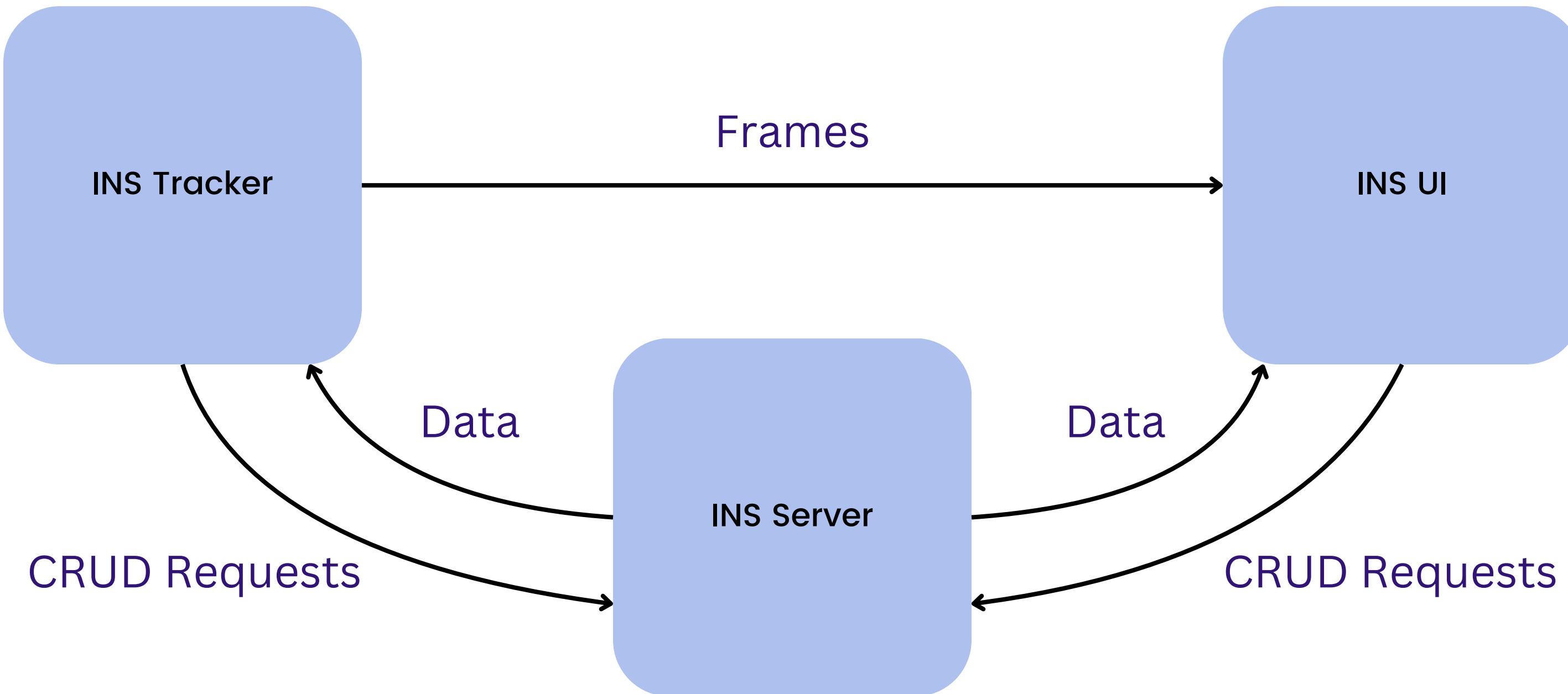
Enhance business adaptability

Enable data culture

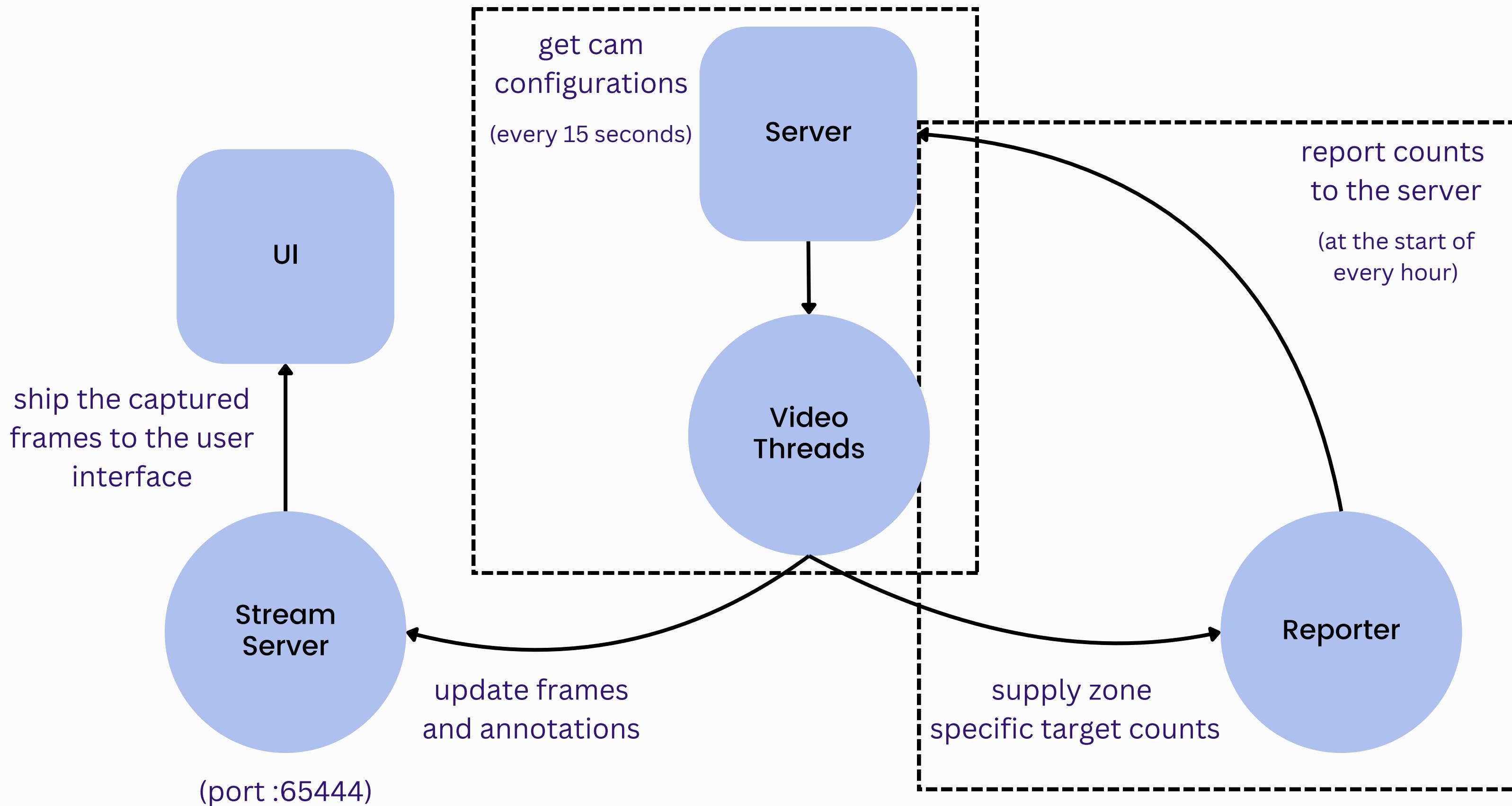
APPLICATION STRUCTURE



PILLARS

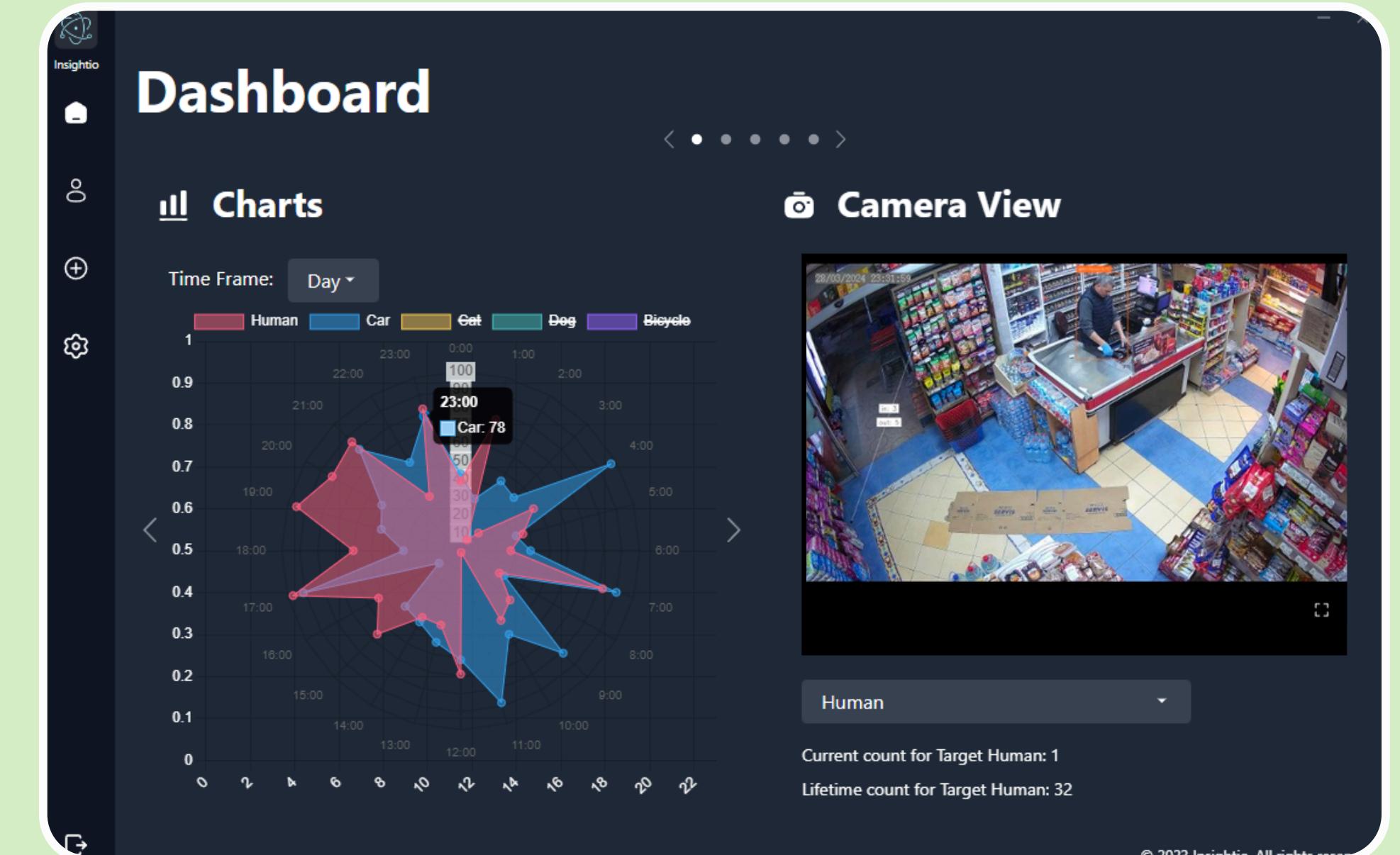


TRACKER STRUCTURE

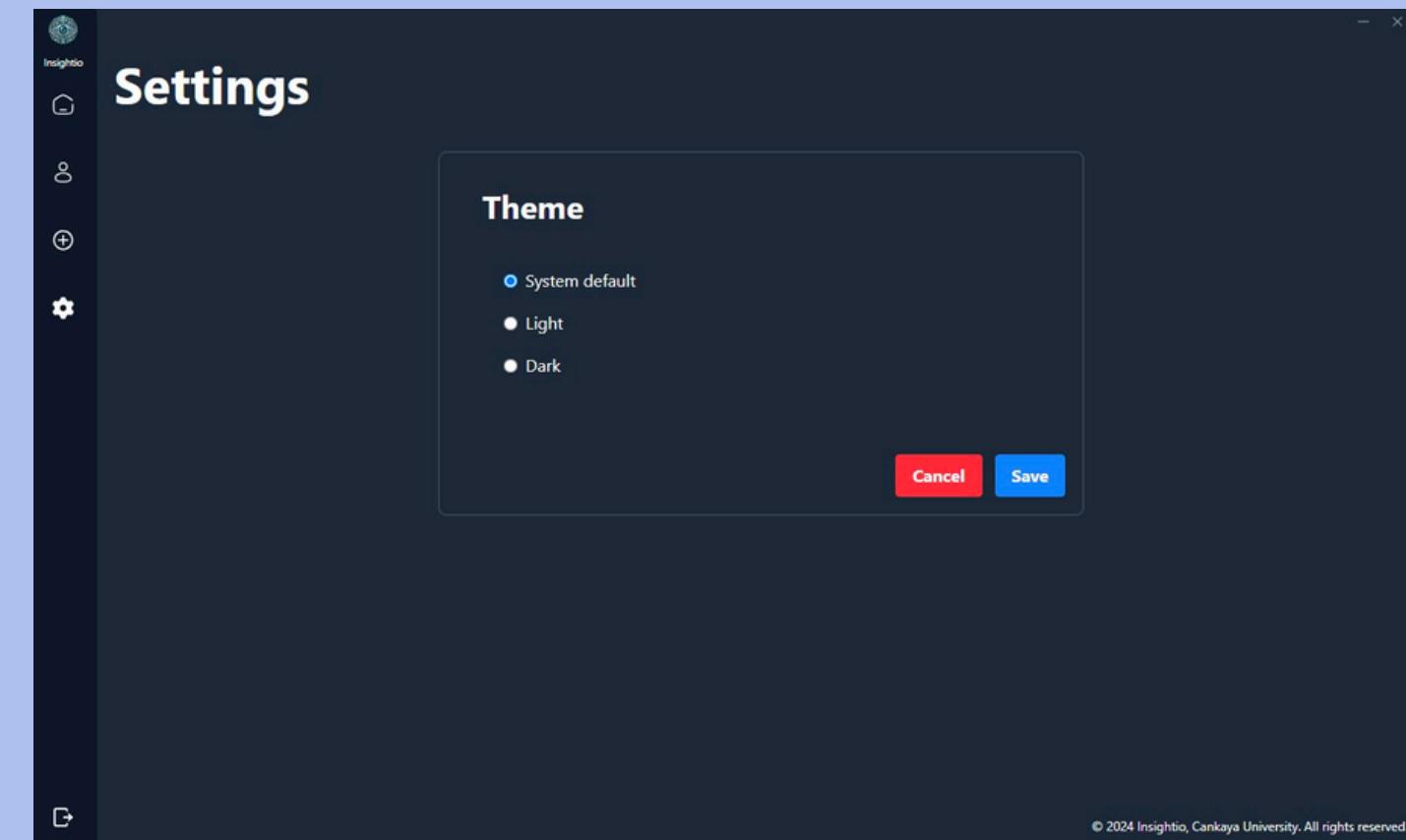
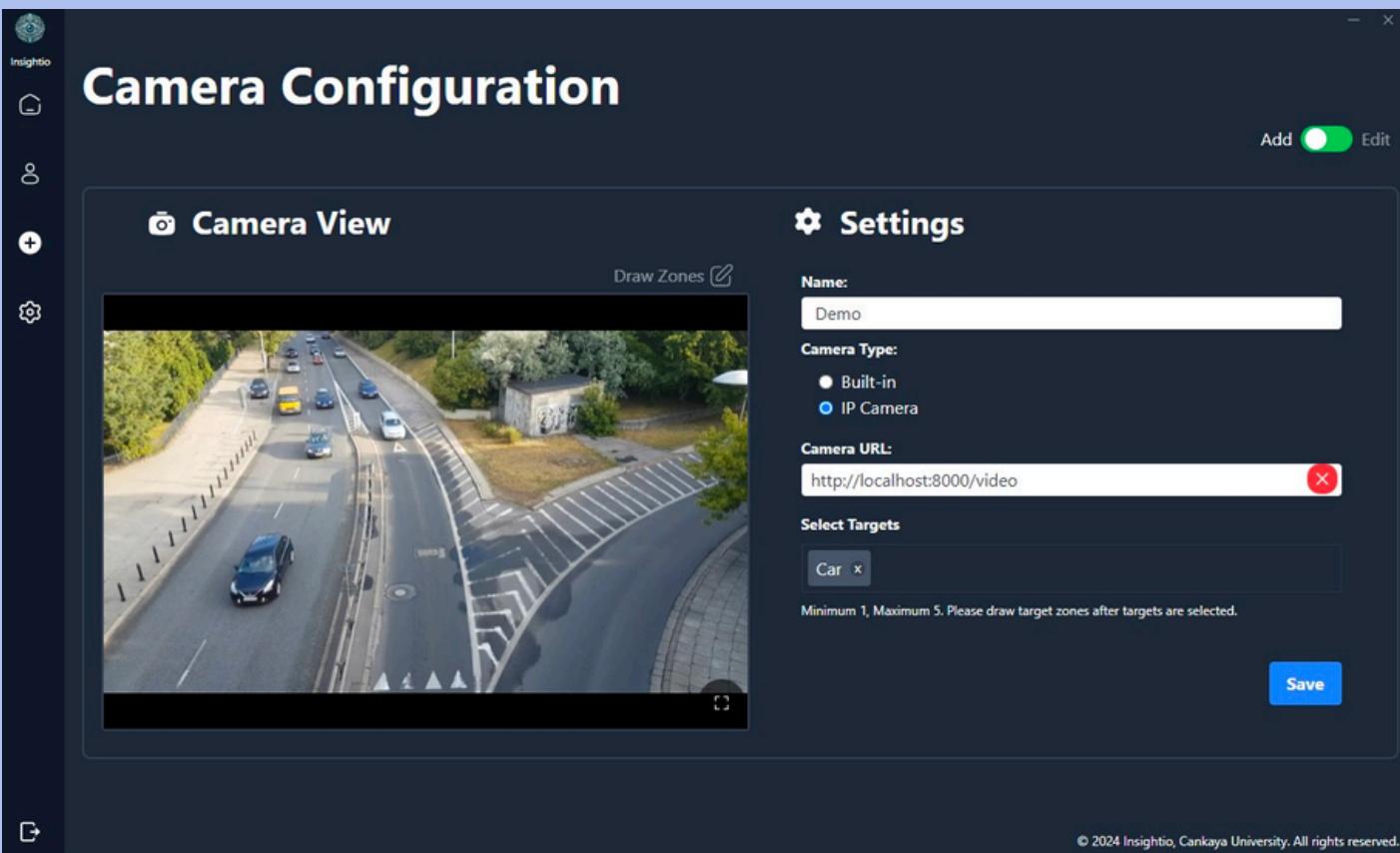
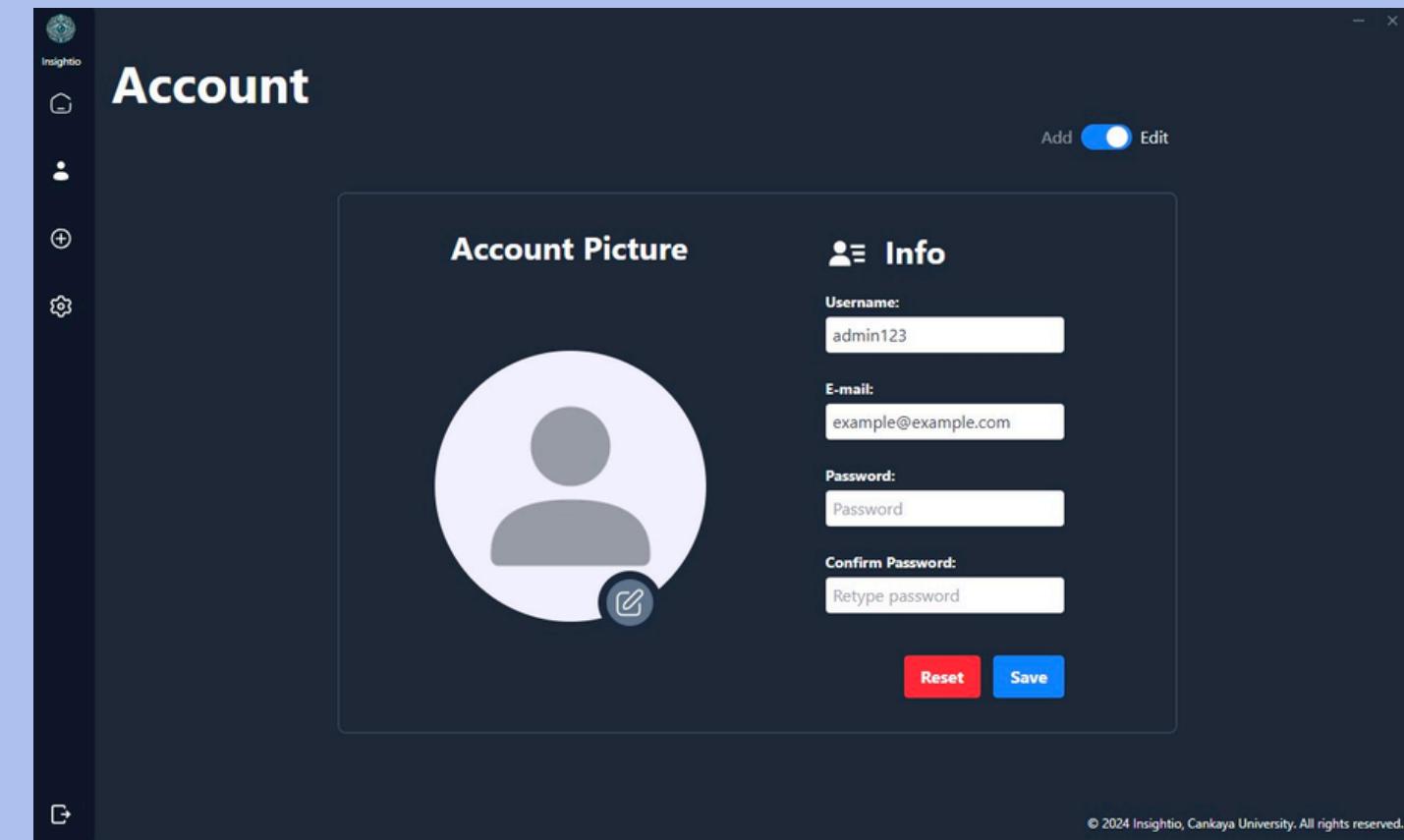
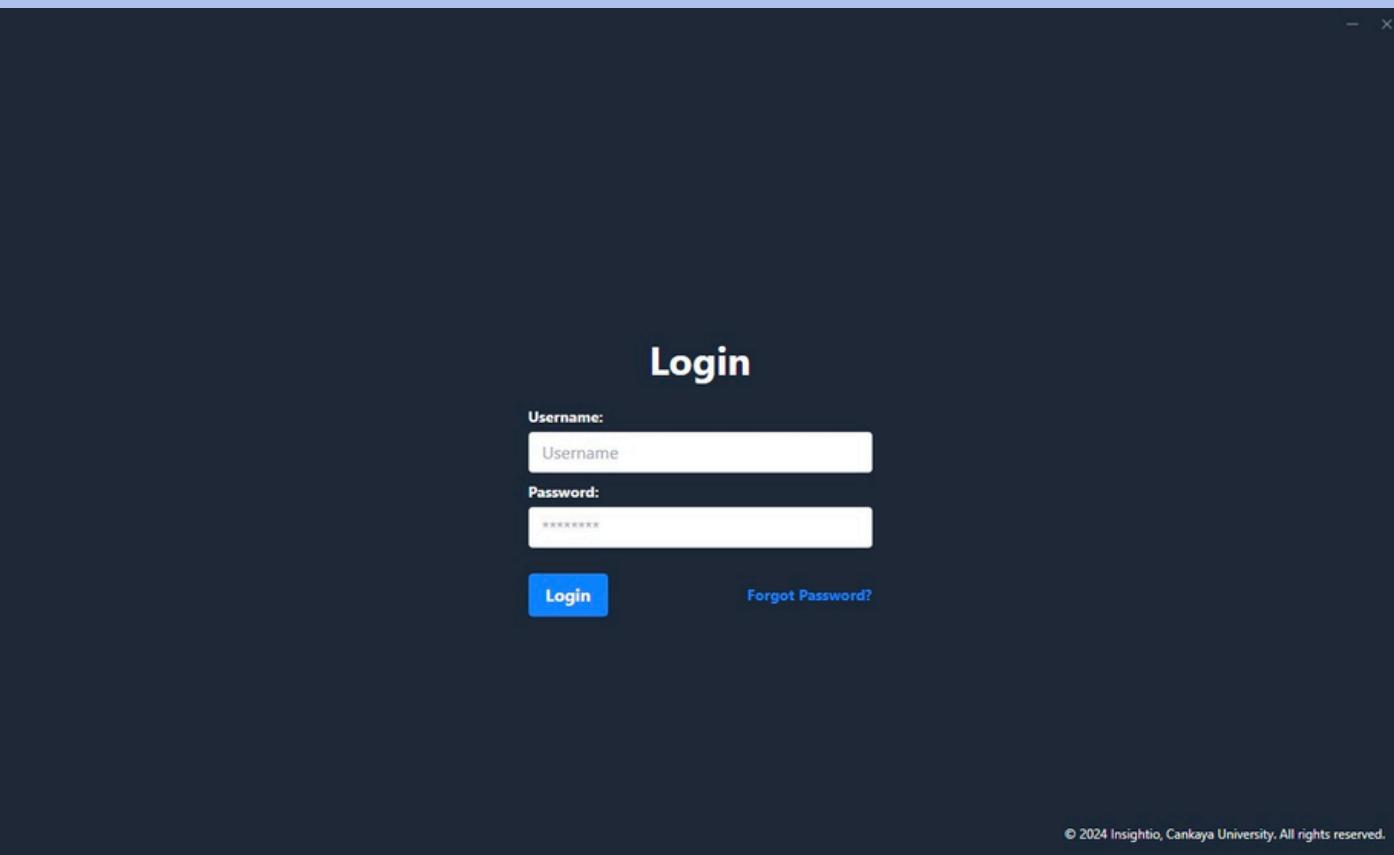


UI DEVELOPMENT

Majority of the user interface is created by “slotting” a page content into a template component used for every page.



INTERFACES



Backend Technologies



Spring Boot

- REST API management
- Rapid development
- Scalability



Kotlin

- JVM compatibility



Maven

- Smooth software builds
- Dependency management



Database Architecture

- NoSQL Database
- Scalability
- Eventual consistency
- AES Encryption



Backend Architecture

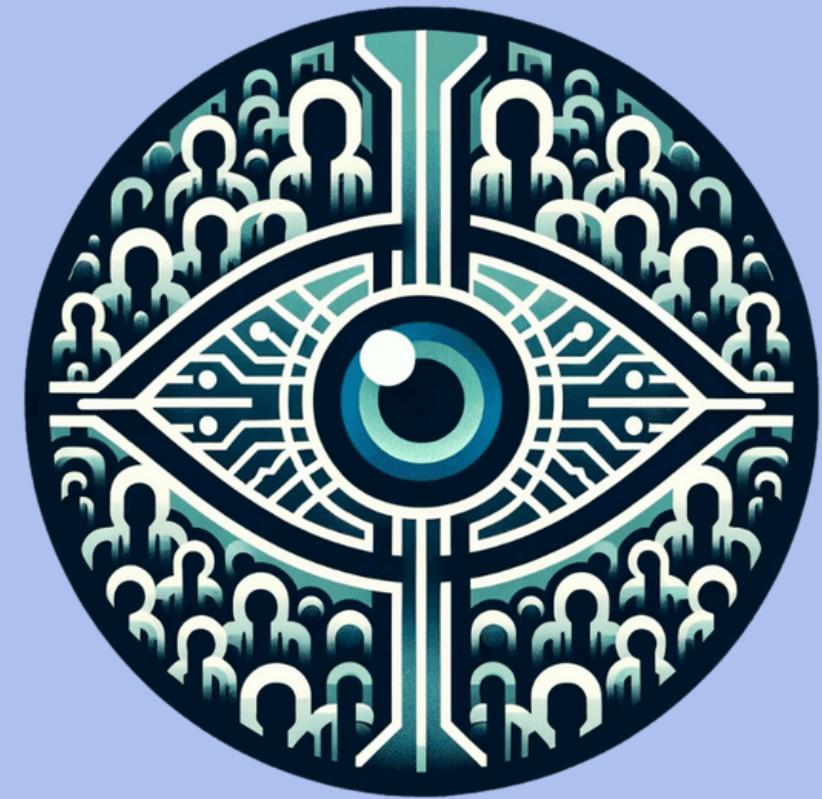
- MVC pattern
- Domain Driven Design



AES Encryption

- Protects sensitive user information
- Enhances system reliability

TEST PLAN



OVERVIEW OF TEST PLAN

UI Interactions

**Client-Server
Communication**

**AI Driven
Object Tracking**

**Security and
Performance**

TESTED FEATURES

UI INTERACTIONS

Camera Setup

Camera Modification

Account Management

Data Display

CLIENT-SERVER COMMUNICATION

Camera Configuration

User Authentication

Account Operations

Camera Status

TESTED FEATURES

AI DRIVEN OBJECT TRACKING

Accurate Tracking

Low-Light Tracking

Tracking Zone Definition

Data Accuracy

Real-Time Recognition

SECURITY AND PERFORMANCE

Response Time

RAM Usage

Password Hashing

Access Control

Audit Logging

TEST RESULTS

Execution Criteria

100% of test cases executed

75% of test cases passed

All high-priority test cases passed

Results Summary

Total test cases executed: 20

Test cases passed: 18

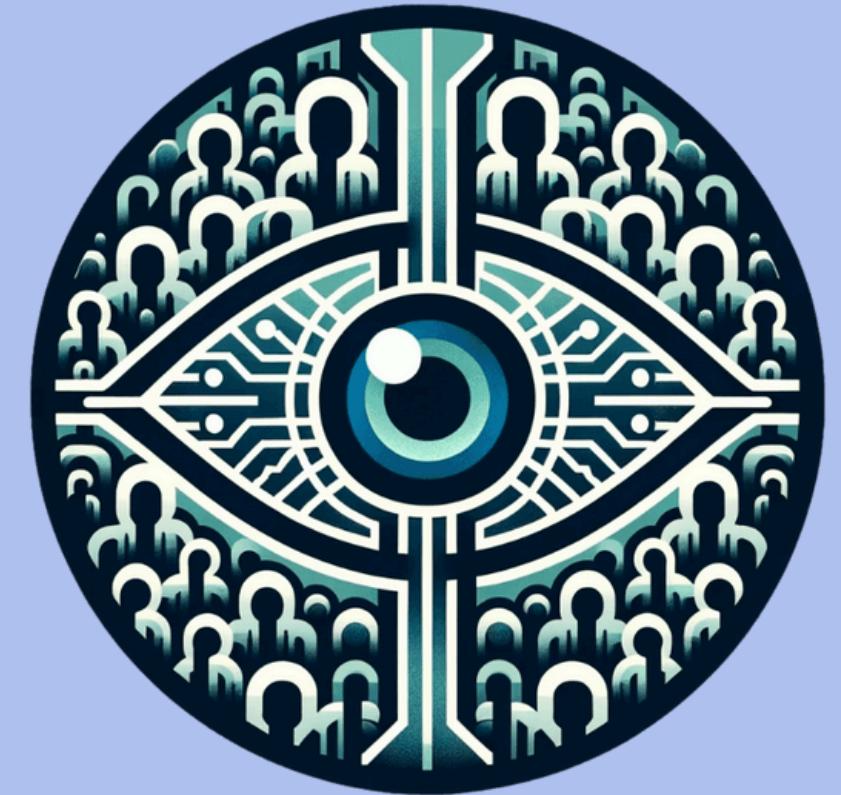
Test cases failed: 2

Failed Test Cases

Add Account
Picture

Reset Password

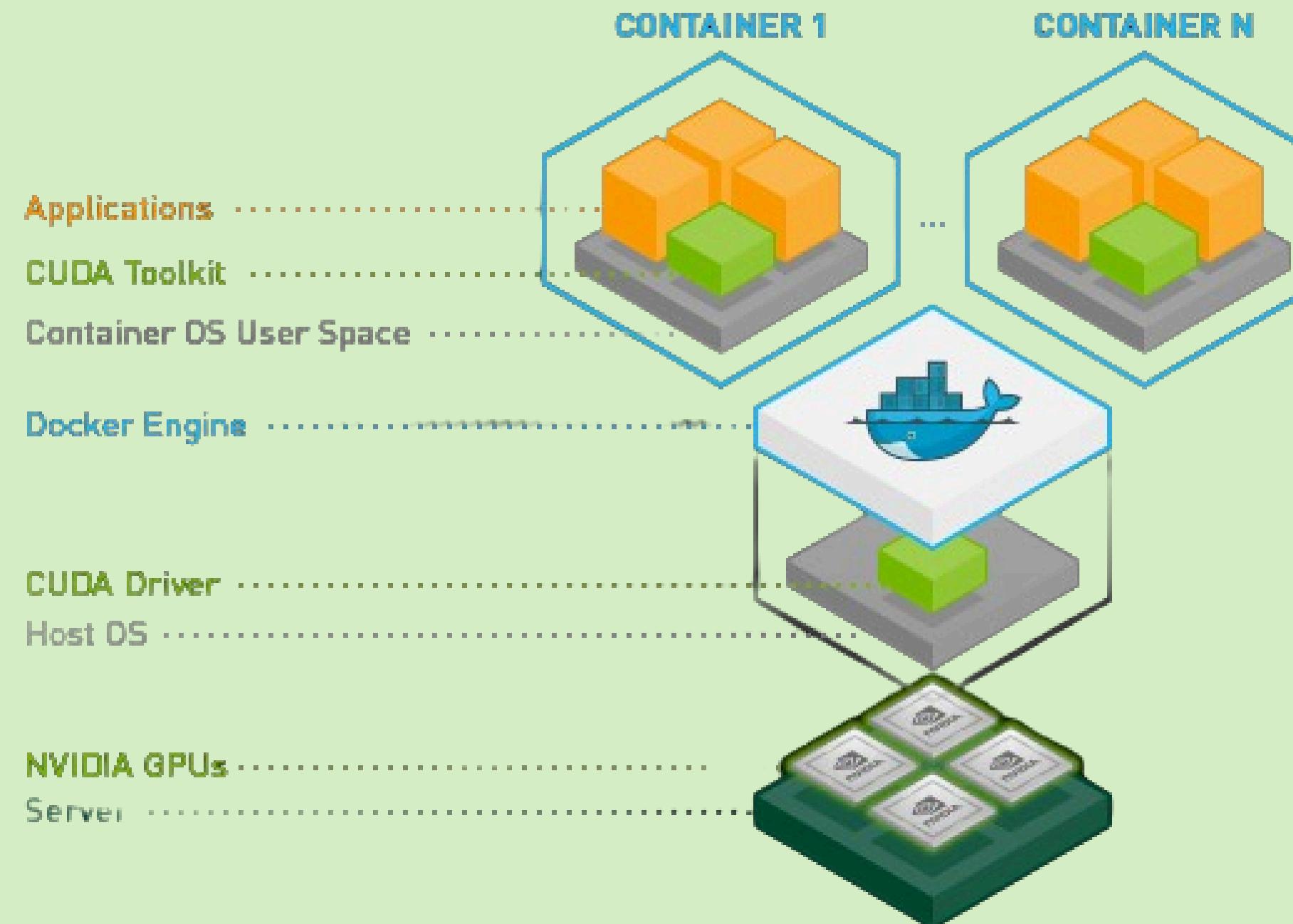
FUTURE STEPS AND IMPROVEMENTS



Object Trajectory Management



Simplifying Startup with Docker



Licensing Options for Users

PRICING PLAN

YOUR SUBHEAD HERE

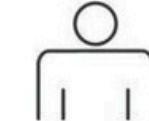


LITE

1 Website, support,
updates and no
monthly fees

\$20/MO

[BUY NOW](#)

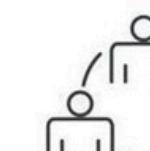


PERSONAL

10 Website, support,
updates and no
monthly fees

\$99/MO

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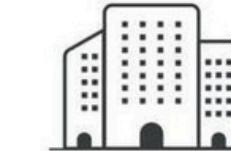


BUSINESS

20 Website, support,
updates and no
monthly fees

\$199/MO

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ENTERPRISE

30 Website, support,
updates and no
monthly fees

\$299/MO

[BUY NOW](#)

Thank You!

DO YOU
HAVE ANY
QUESTIONS?

Relevant Links:

- [Webpage](#)
- [Repository](#)
- [Wiki](#)
- [Work Plan](#)
- [Demo Video](#)