



**Computer Science Capstone Project**  
**Team Name: TEAM MISSION POSSIBLE**  
**(deadly by name & game)**  
**Team 4**



THEFT ALERT

# AGENDA



Team Member Roles and Responsibilities	Improvements made from Professor Feedback	Project Statement	Project Description	Team Working Agreement
Personas	Minimal Viable Product (MVP)	Technologies	Architecture Diagrams	Schedule
Recap Sprint 1 Backlog	Product Backlog	Sprint 2 Backlog	Test cases	Stories Completed
Stories Not Completed	Metrics	Retrospective	Sprint 3 Backlog	Project Demo
GitHub Link	Live Application Demo			



# TEAM MEMBER ROLES



**Shiva**

Data Scientist



**Prudhvi**

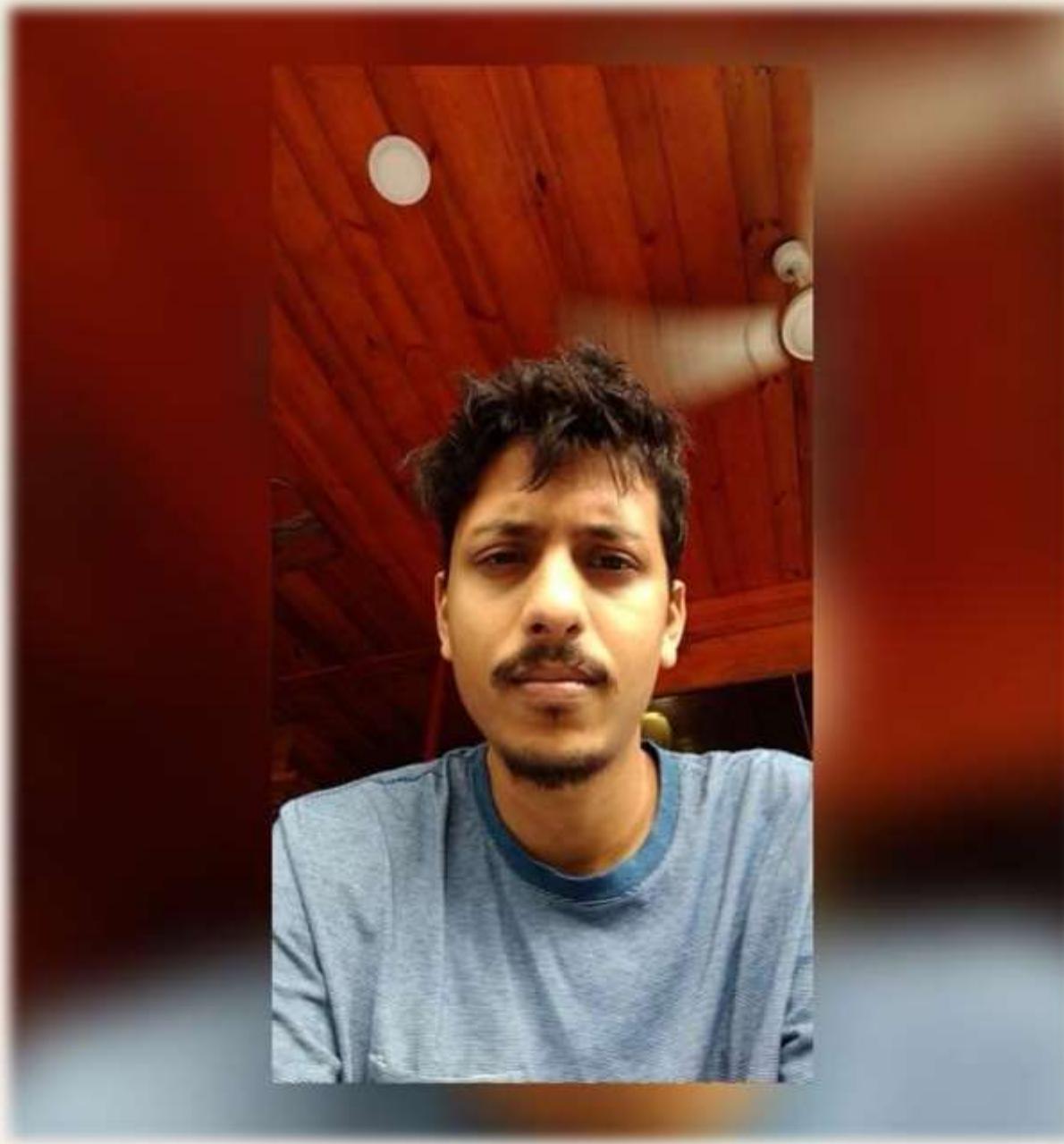
Full Stack Developer



**Vinod**

Data Analyst & Product Developer

# TEAM MEMBER ROLES



**Mayank**

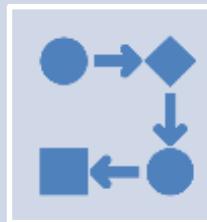
**Artificial Intelligence**  
**Engineer & Project Manager**



**Vishnu Raju**

**Software Developer**

# Improvements made from Feedback Professor



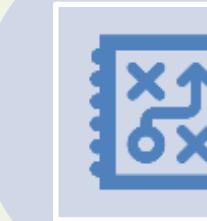
Revise the flow diagrams to align with updated processes or requirements.



Revise the schedule page to reflect updated project timelines and deadlines.



Update the persona's challenges to reflect more accurate or relevant pain points.



Create or add a sprint video summarizing progress and key outcomes.



Add acceptance criteria to user stories to clearly define the conditions for completion.



Adjust the MVP to focus on the most essential features for launch or testing.

# PROJECT STATEMENT



Shoplifting is a significant problem for supermarkets, leading to financial losses and higher customer prices. Current security methods often react to theft after it has already happened, which is ineffective. There is a clear need for a better solution that can prevent theft before it occurs. Our project aims to develop a Supermarket Theft Detection System that uses advanced technology to monitor customer behavior in real time, including computer vision and machine learning. This system will help identify suspicious activities and alert security personnel immediately, allowing them to respond quickly and reduce theft incidents. By analyzing data on theft patterns, supermarket managers can also make informed decisions to enhance security and improve the shopping experience for all customers.

# PROJECT DESCRIPTION



Project Name:	Theft Alert
Team:	TEAM MISSION POSSIBLE (deadly by name & game)
Project Description:	<p>The Supermarket Theft Detection System uses existing CCTV cameras and machine learning to proactively monitor customer behavior, detect suspicious activities, and alert security personnel, significantly enhancing store safety and reducing theft losses..</p> <p><b>For</b> retail stores <b>who</b> struggle with shoplifting, <b>the</b> Supermarket Theft Detection System <b>is a</b> proactive solution that leverages existing CCTV cameras and machine learning <b>that</b> monitor customer behavior in real time and alert security personnel. <b>Unlike</b> traditional reactive security measures, <b>our application</b> detects suspicious activities before theft occurs, significantly reducing losses and enhancing store safety.</p>
Benefit Outcomes:	<ul style="list-style-type: none"><li>• Minimizes financial losses from shoplifting.</li><li>• Enables quick responses from security personnel with real-time alerts.</li><li>• Fosters a safer shopping environment for honest customers.</li><li>• Provides valuable analytics on theft patterns for informed decision-making.</li><li>• Adaptable for implementation across multiple store locations.</li><li>• Works with existing security infrastructure for a smooth transition.</li><li>• Allows for upgrades, such as improved facial recognition and behavior prediction.</li><li>• Combines technology and human oversight for effective theft prevention.</li></ul>
GitHub Link:	<a href="https://github.com/htmw/2024F-Team4/wiki">https://github.com/htmw/2024F-Team4/wiki</a>



# PROJECT DESCRIPTION



Shoplifting poses a significant challenge for retail stores, leading to financial losses and increased consumer prices. Traditional security measures are largely reactive, addressing theft only after it occurs. Our project aims to develop a Supermarket Theft Detection System that utilizes existing CCTV cameras and machine learning to monitor customer behavior in real time. The system will analyze video footage for unusual movements and automatically alert security personnel to potential theft, enabling quick responses. This proactive approach reduces theft losses and enhances the shopping experience by fostering a safer environment. Additionally, the system is scalable for multiple locations and integrates seamlessly with current security infrastructure. By providing valuable insights into theft patterns, our innovative solution aims to revolutionize supermarket security and improve overall safety for customers and staff.

# TEAM WORKING AGREEMENT



## Team Agreement

### Communication:

We agree to communicate regularly and effectively, informing each other about our progress, questions, and concerns. All team members agree to have meetings via Teams twice weekly.

### Participation:

We agree to participate in all team meetings and discussions actively and to contribute our unique skills and perspectives to the project.

### Deadlines:

We agree to meet all deadlines set by the team and to inform the team as early as possible if we anticipate any difficulties meeting a deadline.

### Respect:

We agree to always treat each other with respect and professionalism, even in the face of disagreements and challenges.

### Feedback:

We agree to give and receive constructive feedback: openly and honestly, to improve our work and the project.

### Roles and Responsibilities:

We agree to clarify our roles and responsibilities within the team, ensuring that each team member understands their specific tasks and deadlines.

### Confidentiality:

We agree to maintain confidentiality about any sensitive or confidential information related to the project, as agreed upon by the team.

### Quality:

We agree to prioritize quality in our work and to take the necessary time and effort to ensure that our contributions meet the standards of the team.

### Conflict Resolution:

We agree to resolve any conflicts or disagreements that arise within the team in a timely and respectful manner, seeking input from all team members and striving for a mutually acceptable solution.

### Accountability:

We agree to hold ourselves and each other accountable for our actions and contributions to the project and to take responsibility for any mistakes or errors we make.

### Team Members: Mayank Singh

Prudhvi Raj

Siva Sai Venkata Krishna Ganesh

Sree Vishnu Raju

Vinod Kumar Aluru





# PERSONAS





# PERSONAS - 1

James, a dedicated Chief Security Officer, oversees the safety of a large retail complex, drawing on years of experience to identify and mitigate potential threats.

## Challenges:

- Managing security across a large retail complex can be overwhelming, especially with limited personnel.
- Managing security across a large retail complex can be overwhelming, especially with limited personnel.
- Coordinating with multiple security personnel across a large complex can be difficult, especially when managing complex incidents that require a unified response.
- James needs a way to quickly find relevant footage, especially during an incident or investigation.

## Goals:

- A real-time video monitoring system with AI features like facial recognition and automated alerts will help James efficiently monitor multiple areas and quickly identify threats.
- Advanced systems that facilitate quick footage retrieval and automated tagging will streamline the review process, allowing James to save time and efficiently locate critical information.



## Profile

*Name:* James

*Age:* 30

*Location:* Alabama, Ga

*Job:* Chief Security Officer

*Salary:* \$112000/year

*Family:* wife

# PERSONAS - 2



## Profile

*Name: Mr. Wong*

*Age: 45*

*Location: New York, NY*

*Job: Store Owner*

*Family: Two children and wife*

Mr. Wong is a dedicated convenience store owner managing a bustling shop in a vibrant neighborhood.

## Challenges:

- As foot traffic increases, it becomes more difficult for Mr. Wong to monitor every customer and transaction effectively, which can lead to security risks such as theft or fraudulent activities.
- As a busy store owner, Mr. Wong must ensure the safety of his employees while they work, particularly during late-night shifts or in high-risk situations.
- Convenience stores are often targets for shoplifting, and with more customers in-store, identifying suspicious behavior manually can be very challenging.

## Goals:

- A user-friendly, integrated surveillance system that provides clear alerts and easy-to-navigate interfaces will save Mr. Wong time and effort, allowing him to focus on other aspects of his business without constant troubleshooting.
- Implementing an advanced surveillance system with real-time monitoring allows Mr. Wong to remotely oversee his store, enhancing security and efficiency.





# PERSONAS - 3

Ms. Rodriguez is a dedicated supermarket manager, responsible for the bustling operations of a large grocery store.

## Challenges:

- In a dynamic retail environment, it is challenging to pinpoint areas where customer flow or store layout may be causing delays or dissatisfaction without data-driven insights.
- With a constantly changing shopping environment, ensuring the store layout is optimized for both customer flow and product accessibility is a time-consuming task.
- Ms. Rodriguez effectively monitors every aspect of the store, which could lead to inefficiencies or missed opportunities to improve customer experience.

## Goals:

- She aims to use the system's data to identify bottlenecks and optimize store layout and product placement for a smoother shopping experience.
- The system will enable Ms. Rodriguez to monitor customer activity and enhance customer experience.
- Ms. Rodriguez plans to leverage the data to improve store performance, increase customer satisfaction, and create a safer, more enjoyable shopping experience.



## Profile

*Name: Rodriguez*

*Age: 27*

*Location: New Jersey, NJ*

*Job: Supermarket Manager*

*Salary: \$125000/year*

*Family: Lives with her boyfriend*

# MINIMAL VIABLE PRODUCT (MVP)



# **MINIMAL VIABLE PRODUCT (MVP)**



**Real-time CCTV Integration** - CCTV cameras to monitor customer behavior in the store.

**Machine Learning Model for Theft Detection** - Implement a machine learning algorithm trained to recognize basic suspicious behaviors.

**Instant Alerts for Security Personnel** - Set up a simple alert system to notify store security when potential theft is detected.

**Data Logging for Monitoring** - Enable security teams to review footage or logs in case of false positives or to understand detected patterns better.

**User Interface for Security Personnel** - The interface should allow security staff to assess the situation quickly.

**Focus on the essentials** - Streamline your video workflow with tools to upload, organize, and watch your videos.

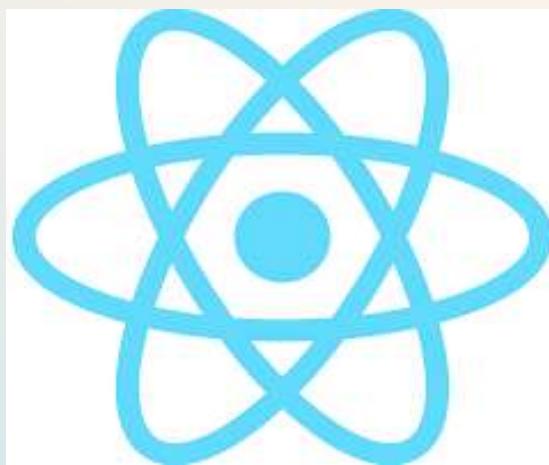


# TECHNOLOGIES

## Frontend



**HTML**



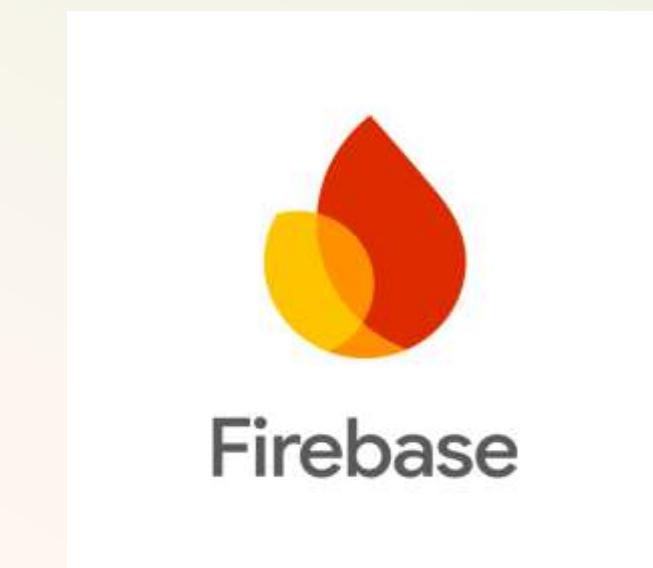
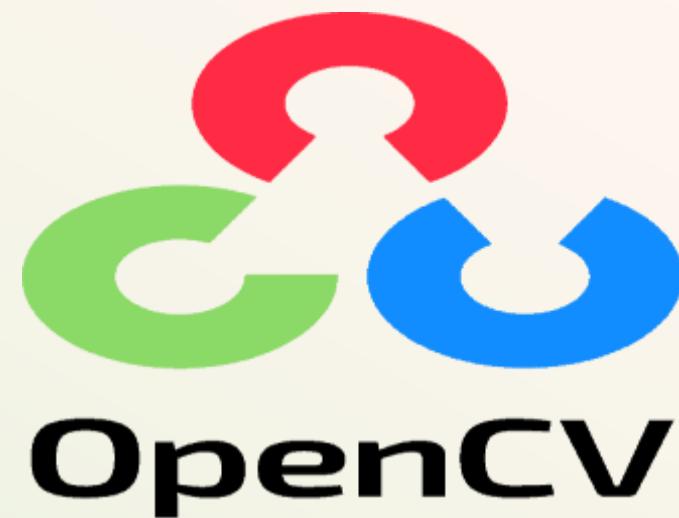
## Backend



## Database

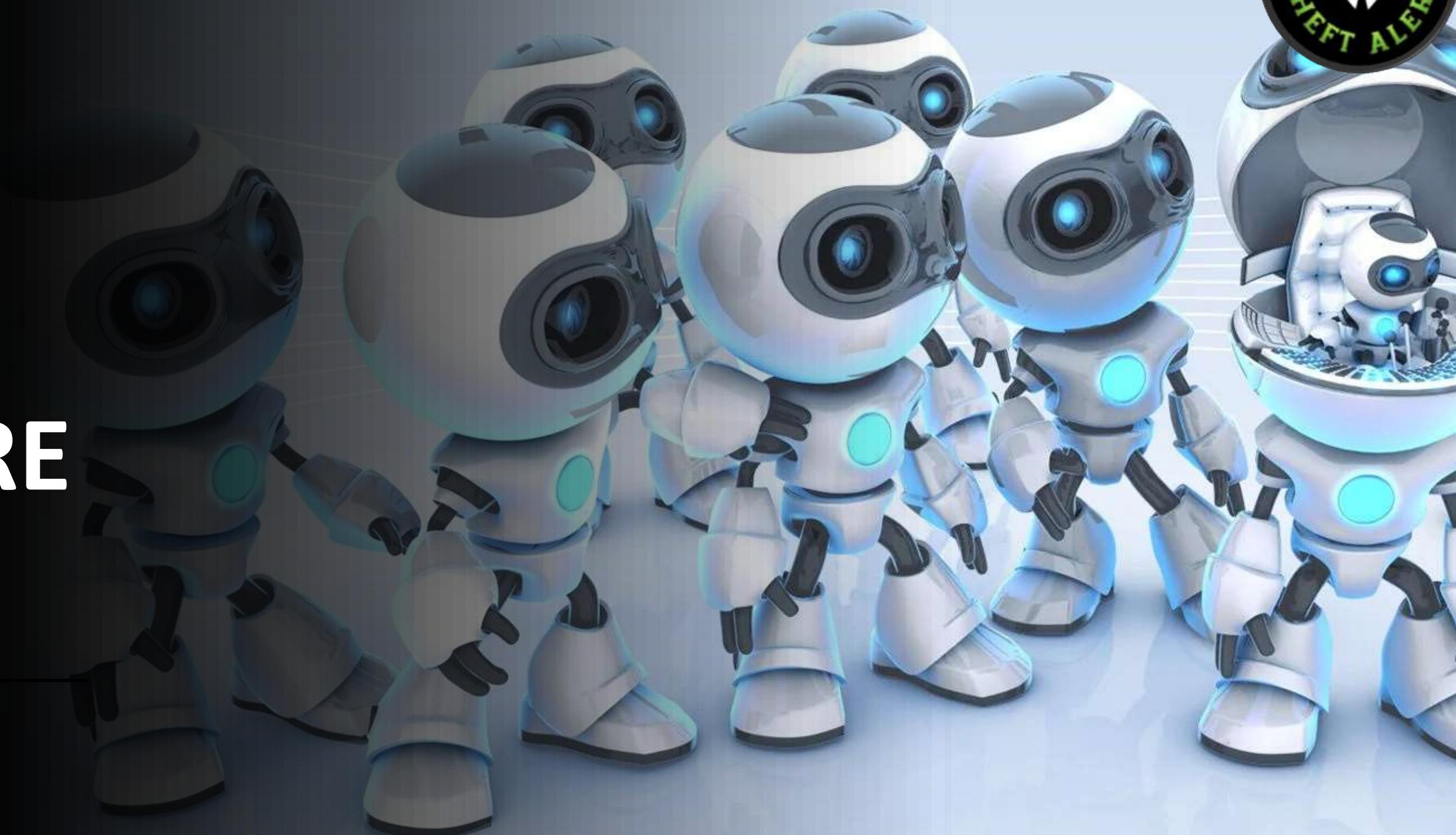


## IDE & Additional Tools





# ARCHITECTURE DIAGRAM



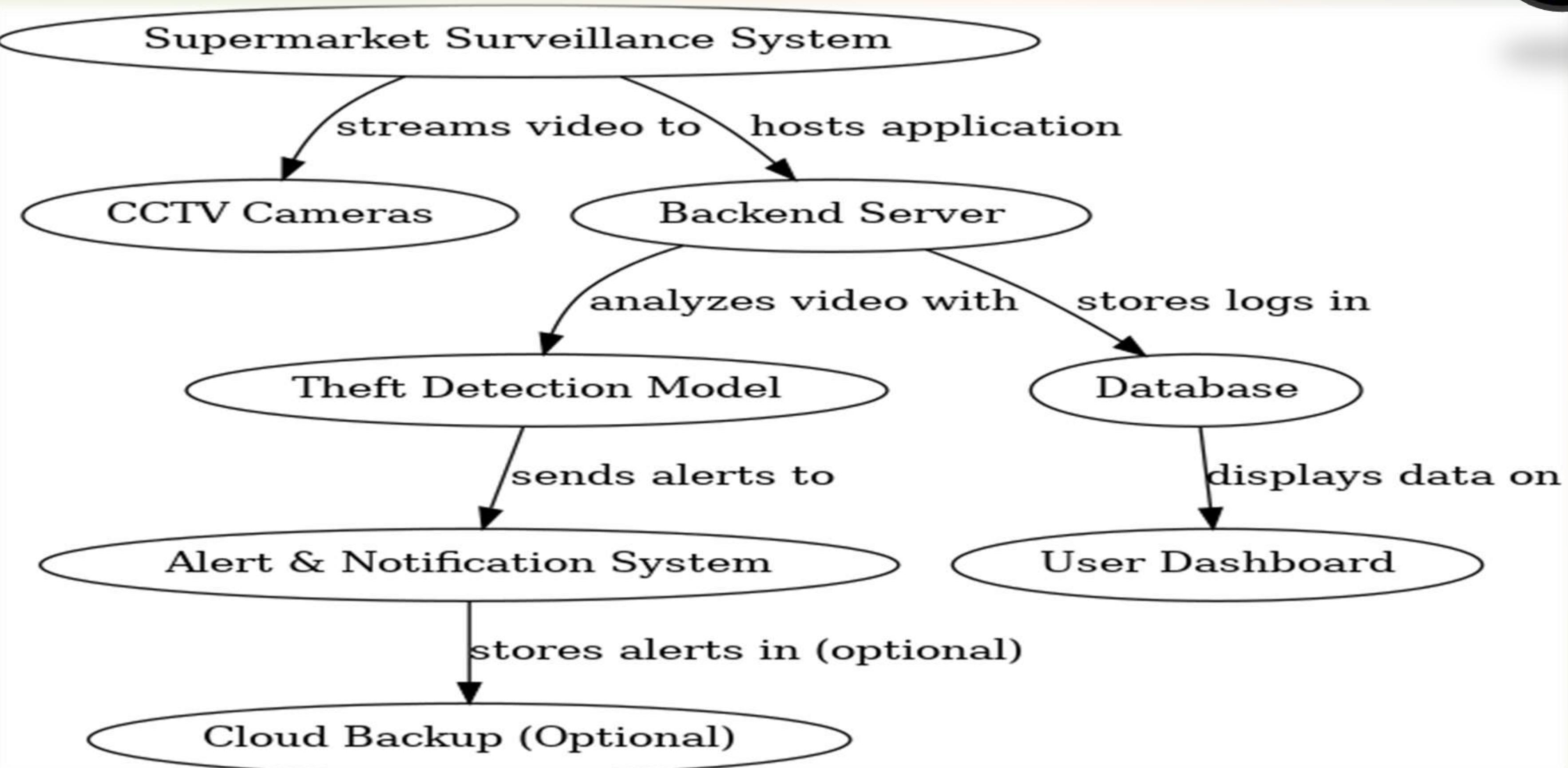


# CONCEPTUAL ARCHITECTURE DIAGRAM

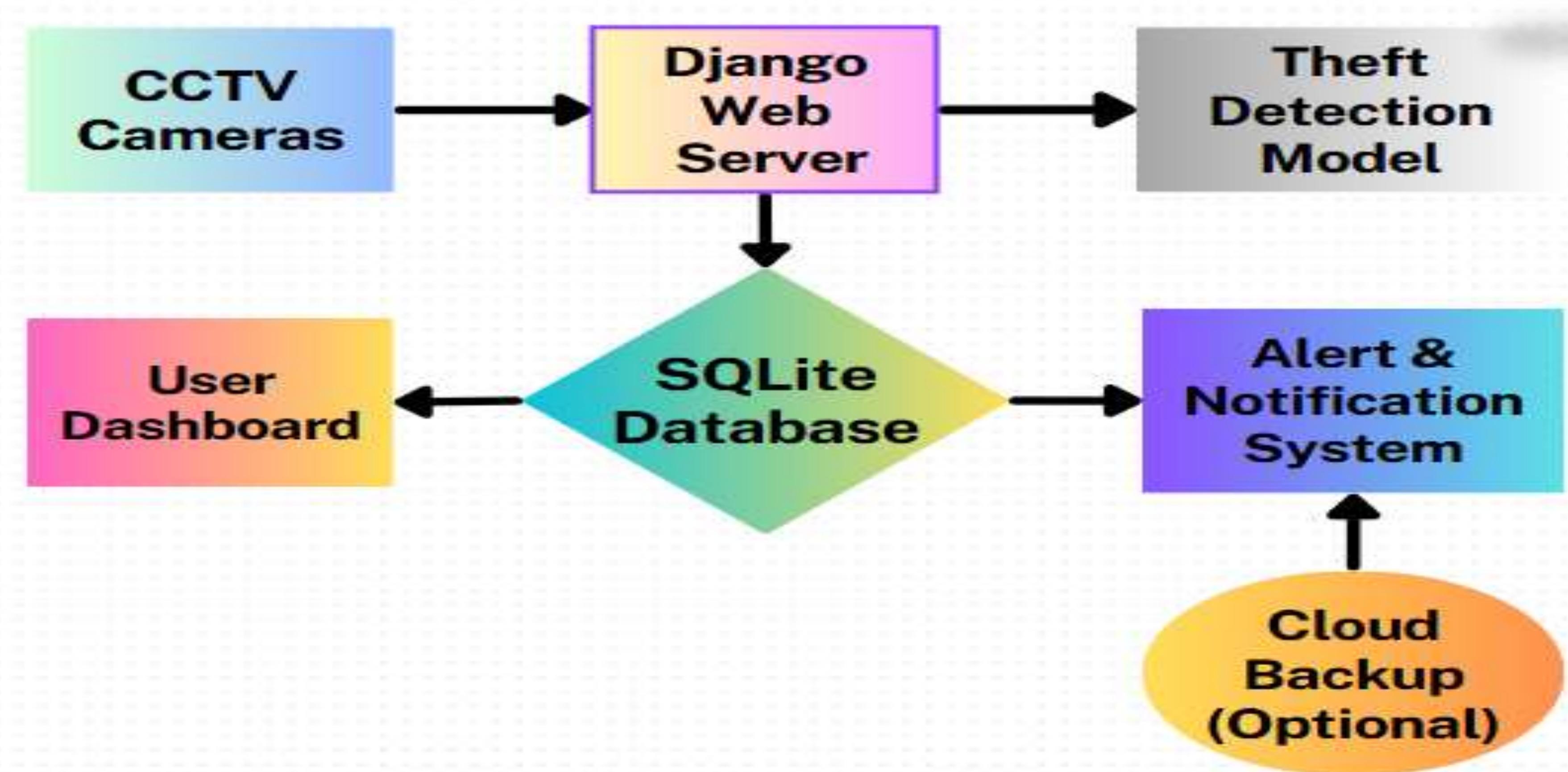




# DATA FLOW DIAGRAM



# SURVEILLANCE SYSTEM ARCHITECTURE





# SCHEDULE





# RECAP SPRINT 1 BACKLOG

User Story ID	Issue Type	User Story	Story Points	Status
TA - 6	User Story	As a user, I should have an APK file that can be installed on mobile with basic functionalities.	3	Done
TA - 7	User Story	As a user, I want to create my account for the application so that I can keep my account private and Signup Using my Name, Email, and Password.	8	Done
TA – 8	User Story	As a user, I should be able to enter the user name and get registered in the application.	3	Done
TA – 9	User Story	As a user, I want to log in using my user ID to access my account.	5	Done
TA - 10	User Story	As a registered user I should be able to see the Main page, once I login into the application.	5	Done



# PRODUCT BACKLOG

User Story ID	Issue Type	User Story	Story Points
TA – 1	Task	To gather all the requirements for the project.	8
TA – 2	Task	As a team we should have team work agreement with all rules and regulations.	3
TA – 3	Task	As a team we should divide roles and responsibilities among ourselves to develop the project.	5
TA – 4	Task	As a team we should develop required technical and functional knowledge required to complete the project.	5
TA – 5	Task	As a team we should plan the product requirements and development plan for the project.	3
TA – 6	User Story	As a user, I should have an APK file that can be installed on mobile with basic functionalities.	3
TA – 7	User Story	As a user, I want to create an account for the application so that I can keep my account private and sign up Using my Name, Email, and Password.	8
TA – 8	User Story	As a user, I should be able to the user name and get registered in the application.	3
TA – 9	User Story	As a user, I want to log in using my user ID to access my account.	5
TA - 10	User Story	As a registered user I should be able to see the Main page, once I login into the application.	5



# PRODUCT BACKLOG

User Story ID	Issue Type	User Story	Story Points
TA – 11	User Story	As a registered user I want to logout from the application so that I can log in again whenever I want.	3
TA – 12	User Story	As a user, I want to access the feature on the home page	3
TA – 13	User Story	As a user, I want to navigate between pages so that I can quickly access the features I need.	5
TA – 14	User Story	As a user, I want to upload fresh videos so I can watch them.	8
TA – 15	User Story	As a registered user, I want to see the option to change the user's name on the settings page so I can do so.	3
TA – 16	User Story	As a registered user, I want to access live footage so that I can watch live videos too.	5
TA – 17	User Story	As a registered user, I want a functionality to enable alerts so that I can be notified about important updates.	5
TA – 18	Task	Preparing Deployment Manual	3
TA – 19	Task	Preparing User Manual	3
TA – 20	Task	Improving the Back End and adding Optimization Techniques in the code	5



# SPRINT 2 BACKLOG

User Story ID	Issue Type	User Story	Acceptance Criteria	Place	Story Points
TA - 11	User Story	As a registered user I want to logout from the application so that I can log in again whenever I want.	Given I am a logged-in user of the application When I click on the Logout icon in the application Then I should be logged out of the application	Logout	3
TA - 12	User Story	As a user, I want to access the feature on the home Page	Given I am a user of the application When I open the application Then I should be able to access the features on the home page And the home page should be responsive and optimized for my device	Home Page	3
TA - 13	User Story	As a user, I want to navigate between pages so that I can quickly access the features I need.	Given I am a user of the application When I open the app Then I should see a well-organized and clearly labeled navigation menu that allows me to easily find the pages I need the navigation menu should be optimized for smaller screens, ensuring easy access to all pages	Home Page	5
TA - 14	User Story	As a user, I want to upload fresh videos so I can watch them.	Given I am a user of the application When I go to the Upload Video page Then I want to see an option to upload a new video, including the option to provide a video name	Manage Video Page	8
TA - 15	User Story	As a registered user, I want to see the option to change the user's name on the settings page so that I can do so.	Given I am a user of the application When I go to the settings page Then I want to see an option to change my username so that I can update it if it was entered incorrectly	Setting Page	3



# TEST CASES

Test ID	User Story ID	User Story	Test Data	Steps to be taken	Expected Result	Actual Result
TT ID-6	TA - 11	As a registered user I want to Logout from the application so that I can log in again whenever I want.	Username: Vinod Password: Vinod@99	When the user clicks on the application's settings tab, the user should be able to see the logout option there and by clicking the logout option, the user account will be logged out from the application.	The user should be able to Logout from the application.	The user will be logged out from the application.
TT ID-7	TA – 12	As a user, I want to access the feature on the home Page	Username: Vinod Password: Vinod@99	When the user logs into the application then the user can see the home page with some features displayed on the homepage. When the user clicks on the functionalities on the homepage, the user can do his required task without any trouble.	Users should be able to access all the features on the homepage.	Users will be able to access all the features on the homepage.
TT ID-8	TA – 13	As a user, I want to navigate between pages so that I can quickly access the features I need.	Username: Vinod Password: Vinod@99	When the user opens the application, all features should be visible and properly displayed. Users can easily navigate through the app by clicking on the functional tabs to access all available features.	User should be able to access all the features and functionalities of the features in the application.	User will be able to access all the features in the application.

# TEST CASES



Test ID	User Story ID	User Story	Test Data	Steps to be taken	Expected Result	Actual Result
TT ID-9	TA – 14	As a user, I want to upload fresh videos so I can watch them.	Username: Vinod Password: Vinod@99	When the user opens the app, they are automatically directed to the "Upload Video" page. On this page, they have the option to upload a new video and provide a name for the video.	The user should be able to upload new videos and assign a name to each video during the upload process.	The user should be able to upload new videos with the video name.
TT ID-10	TA – 15	As a registered user, I want to see the option to change the user's name in the settings page so that I can do so.	Username: Vinod Password: Vinod@99	When the user opens the app, they are directed to the settings page. On this page, there's an option to change their username. If the user selects this option, they can enter and save their new username to their account.	The username should be changed in the application.	Username will be changed successfully in the applications settings page



# Stories Completed

User Story ID	Issue Type	User Story	Story Points	Status
TA – 11	User Story	As a registered user I want to logout from the application so that I can log in again whenever I want.	3	Done
TA – 12	User Story	As a user, I want to access the feature on the home Page	3	Done
TA – 13	User Story	As a user, I want to navigate between pages so that I can quickly access the features I need.	5	Done
TA – 14	User Story	As a user, I want to upload fresh videos so I can watch them.	8	Done



# Stories Not Completed

User Story ID	Issue Type	User Story	Story Points	Status
TA - 15	User Story	As a registered user, I want to see the option to change the user's name in the settings page so that I can do so.	3	To Do



PERFORMANCE  
for



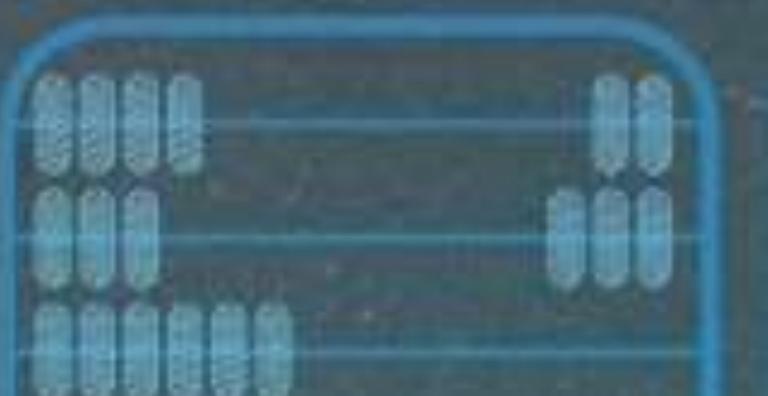
Less  
is  
More

Useful  
**i**P!

Perform  
**VALUE** of  
INFORMATION

# METRICS

Identify  
QUANTIFIABLE  
WORK OUTPUTS



Check if



Improves  
performance

Influences  
CORPORATE  
STRATEGY

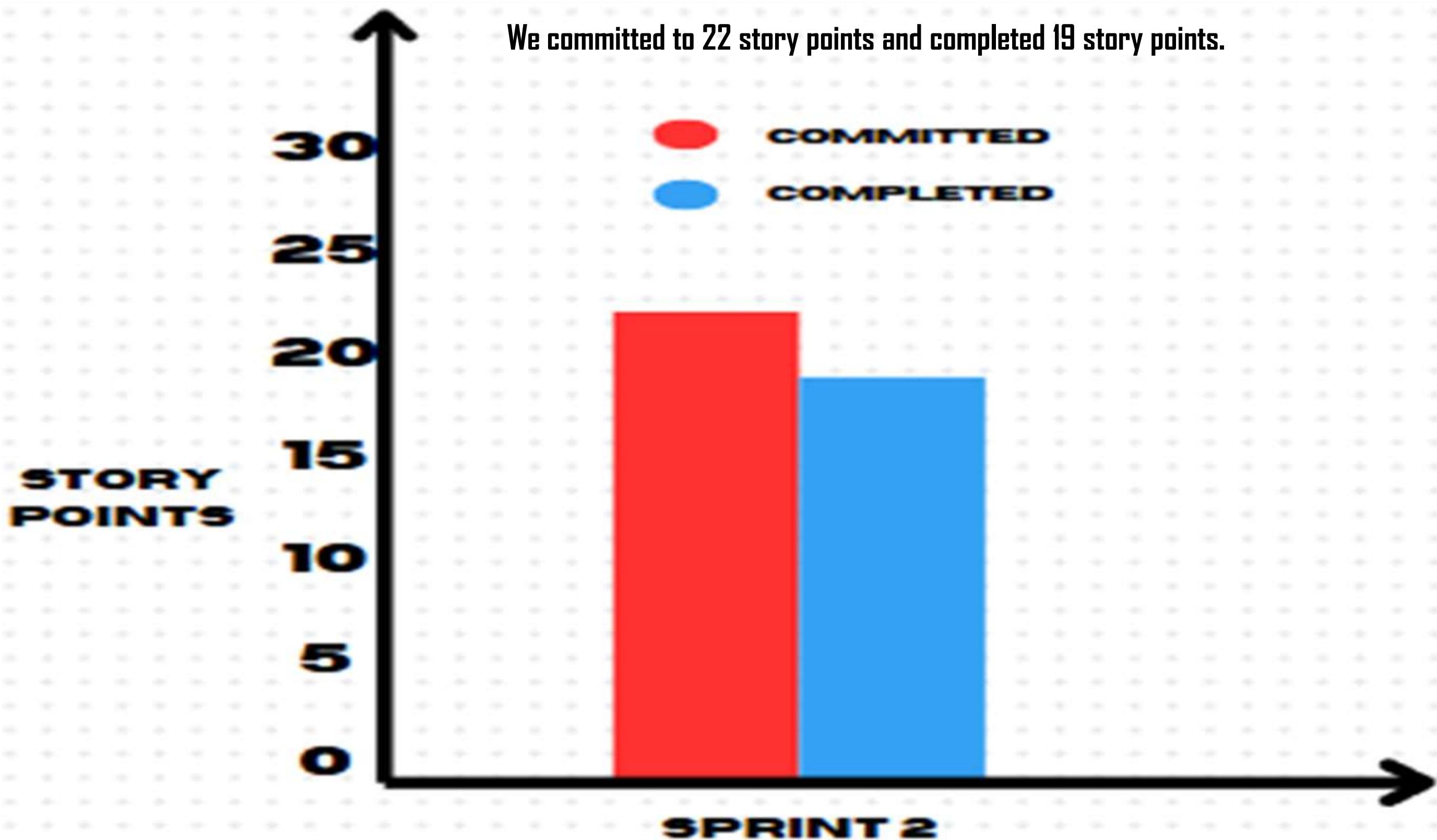
continuous



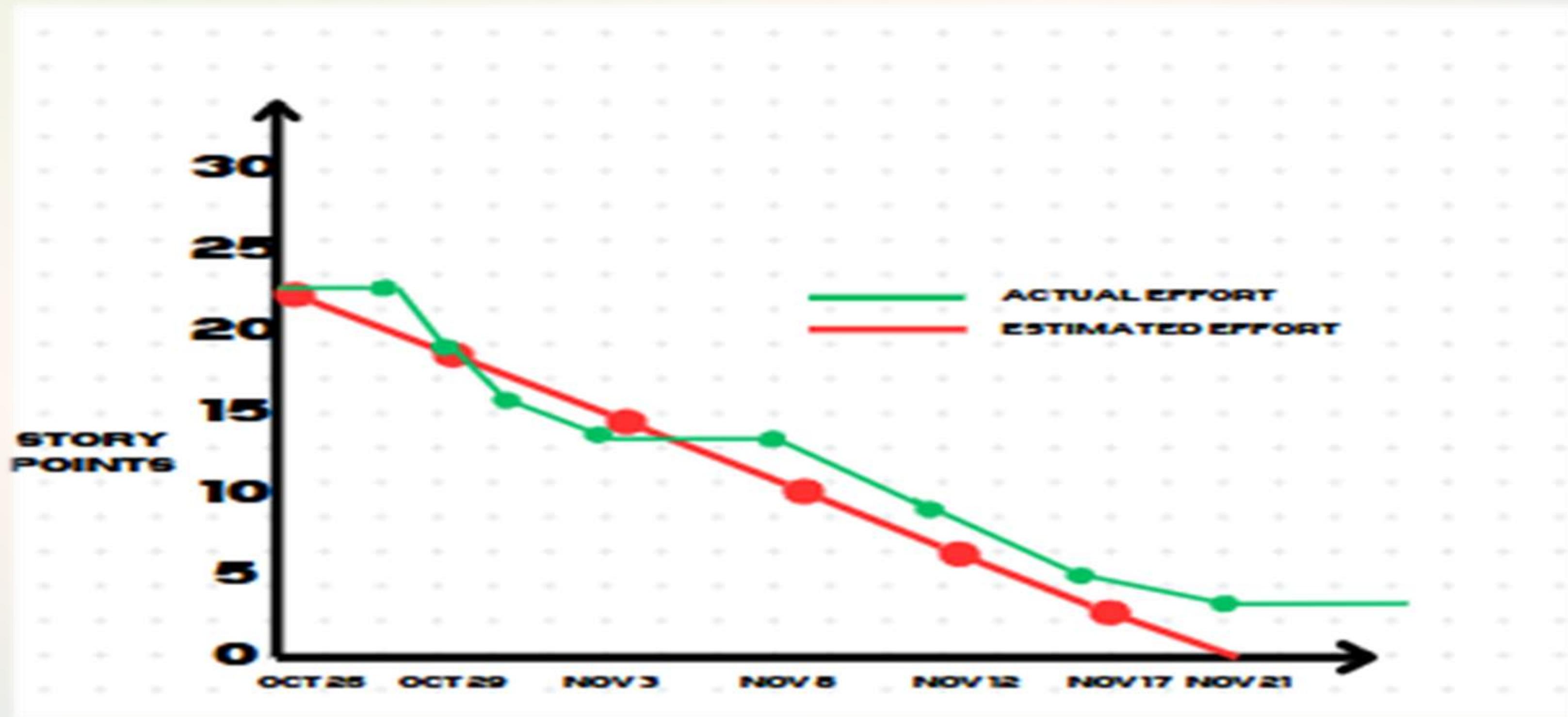


# Team Velocity Chart

We committed to 22 story points and completed 19 story points.



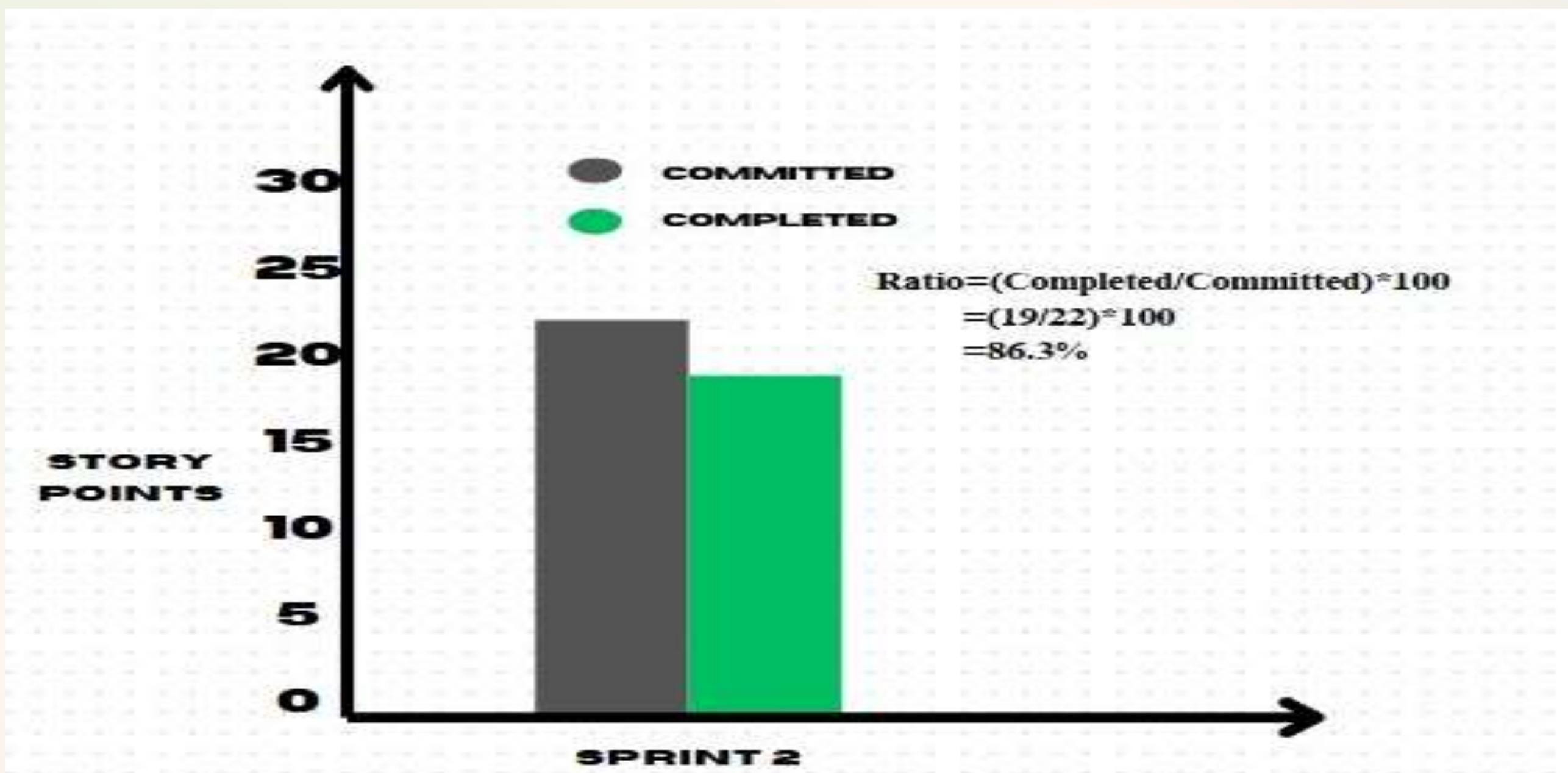
# Burndown Charts



We committed to 22 story points and completed 19 story points.



# Completed/Committed Ratio



Sprint	Completed/Committed Ratio
Committed	22
Completed	19
Ratio	86.3%



# SPRINT 3 BACKLOG

User Story ID	Issue Type	User Story	Story Points	Status
TA - 15	User Story	As a registered user, I want to see the option to change the user's name on the settings page so I can do so.	3	To Do
TA - 16	User Story	As a registered user, I want to access live footage so that I can watch live videos too.	5	To Do
TA - 17	User Story	As a registered user, I want a functionality to enable alerts so that I can be notified about important updates.	5	To Do
TA - 18	Task	Preparing Deployment Manual	3	To Do
TA - 19	Task	Preparing Tech Paper	3	To Do
TA - 20	Task	Improving the Back End and adding Optimization Techniques in the code	5	To Do

# RETROSPECTIVE



## WHAT WENT WELL?

Effective communication with each other

Every person is concentrating on the job at hand.

The team was entirely showed excellent participation.

Each team member's own review developed a project that was well received by the developer.

Excellent sprint planning

Improved story refinement and documentation.

The project has been improved by exchange of information with team members

## WHAT NEEDS IMPROVEMENT?

Work harder and achieve more.

A few standard feature modules' communication needs to be improved.

As quickly as feasible, identify the problems before the deadline.

During the sprint, a few last-minute issues were discovered and resolved.

We must primarily concentrate on using more tools and techniques for this task.

## NEXT STEPS?

Review each other's work properly.

Instead of doing three-day meetings, do them every day.

Show avoid a communication breakdown

Prerequisite tasks and necessary items can be defined early in sprint preparation.

We can make sure that their team members regularly participate in the scrum calls and keep an eye on the status updates.



# PROJECT DEMO

# PROJECT DEMO SCREENSHOTS



The screenshot shows the VS Code interface with the following details:

- EXPLORER**: Shows the file structure of the "Supermarket-Surveillance-System" project, including files like `base.html`, `base.html Super...`, `SUPER...`, `Supermarket-Sur...`, `assets`, `cctv_project`, `media`, `node_modules`, `security`, `_pycache_`, `migrations`, `static`, `templates`, `registration`, `base_one.html`, `base.html` (which is selected), `edit_video.html`, `home.html`, `live_stream.html`, `upload_video.ht...`, `video_list.html`, `video_managem...`, `__init__.py`, `admin.py`, `apps.py`, `consumers.py`, `forms.py`, `models.py`, `routing.py`, and `tests.py`.
- OPEN EDITORS**: Shows the content of `base.html`. The code is a Django template with the following structure:

```
1  {% load static %}  
2  <!DOCTYPE html>  
3  <html lang="en">  
4  <head>  
5      <meta charset="UTF-8">  
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">  
7      <title>CCTV Security Platform</title>  
8      <link rel="stylesheet" href="{% static 'security/css/styles.css' %}">  
9  </head>  
10 <body>  
11     <header>  
12         <nav>  
13             <ul>  
14                 <li><a href="{% url 'home' %}">Home</a></li>  
15                 <li><a href="{% url 'video_list' %}">View Videos</a></li>  
16                 <li><a href="{% url 'video_management' %}">Manage Videos</a></li>  
17                 <li><a href="{% url 'video_upload' %}">Upload Video</a></li>  
18             <li>  
19                 {% if user.is_authenticated %}  
20                     <form method="post" action="{% url 'logout' %}">  
21                         {% csrf_token %}  
22                         <button type="submit">Logout</button>  
23                     </form>  
24                 {% else %}  
25                     <a href="{% url 'login' %}">Login</a>  
26                 {% endif %}  
27             </li>  
28         </ul>  
29     </nav>  
30 </header>
```
- OUTPUT**: Shows the terminal output with two log entries:

```
[13/Nov/2024 21:22:12] "GET / HTTP/1.1" 200 7020  
[13/Nov/2024 21:22:12] "GET /static/security/images/supermarket-surveillance.jpg HTTP/1.1" 404 1946
```
- PROBLEMS**: Shows "No problems have been detected in the workspace."
- TERMINAL**: Shows the same log entries as the Output tab.

The screenshot shows the VS Code interface with the following details:

- Explorer View:** Shows the project structure under "Supermarket-Surveillance-System". The "live\_stream.html" file is open in the editor.
- Editor View:** Displays the content of "live\_stream.html". The code uses Jinja2 templating and JavaScript to handle a live video stream via WebSocket.
- Bottom Bar:** Includes tabs for "OUTPUT", "DEBUG CONSOLE", "TERMINAL", and "PORTS".
- Terminal View:** Shows logs from the terminal:
  - [13/Nov/2024 21:22:12] "GET / HTTP/1.1" 200 7020
  - [13/Nov/2024 21:22:12] "GET /static/security/images/supermarket-surveillance.jpg HTTP/1.1" 404 1945
- Status Bar:** Shows "Ln 1, Col 1" and "Spaces:4" along with other status indicators.

# PROJECT DEMO SCREENSHOTS



EXPLORER    video\_management.html X

OPEN EDITORS    video\_management.html

SUPER...    video\_list.html

Supermarket-Sur...    video\_list.html

assets

cctv\_project

media

node\_modules

security

\_pycache\_

migrations

static

templates

registration

security

base\_one.html

base.html

edit\_video.html

home.html

live\_stream.html

upload\_video.ht...

video\_list.html

video\_manag...

\_init\_.py

admin.py

apps.py

consumers.py

forms.py

models.py

routing.py

tests.py

video\_management.html

```
2  {% load static %} 3  4  {% block title %}Manage Videos - CCTV Security Platform{% endblock %} 5  6  {% block content %} 7  <div class="bg-white shadow-md rounded-lg overflow-hidden"> 8  <div class="px-6 py-4 bg-gray-800 text-white flex justify-between items-center"> 9  <h2 class="text-xl font-semibold">Manage Videos</h2> 10 <a href="{% url 'video_upload' %}" class="bg-blue-500 hover:bg-blue-600 text-white font-bold py-2 px-4 rounded inline-flex items-center"> 11 <svg class="w-4 h-4 mr-2" fill="none" stroke="currentColor" viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"> 12 <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 6v6m 0 6m 6-6l-4-4m 4 4l4 4m 0 6l0 12" /></path> 13 </svg> 14 <span>Upload New Video</span> 15 </a> 16 </div> 17 <div class="overflow-x-auto"> 18 <table class="min-w-full divide-y divide-gray-200"> 19 <thead class="bg-gray-50"> 20 <tr> 21 <th scope="col" class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider">Video Name</th> 22 <th scope="col" class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider">Uploaded By</th> 23 <th scope="col" class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider">Actions</th> 24 </tr> 25 </thead> 26 <tbody class="bg-white divide-y divide-gray-200"> 27 <% for video in videos %> 28 <tr class="hover:bg-gray-50"> 29 <td class="px-6 py-4 whitespace nowrap"> 30 <div class="flex items-center"> 31 <div class="flex-shrink-0 h-10 w-10"> 32 <img alt="Thumbnail image of the video file" />
```

OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PROBLEMS    TERMINAL

No problems have been detected in the workspace.

[13/Nov/2024 21:22:12] "GET / HTTP/1.1" 200 7020

[13/Nov/2024 21:22:12] "GET /static/security/images/supermarket-surveillance.jpg HTTP/1.1" 404 1946

EXPLORER    video\_list.html X

OPEN EDITORS    video\_list.html

SUPER...    video\_list.html

Supermarket-Sur...    video\_list.html

assets

cctv\_project

media

node\_modules

security

\_pycache\_

migrations

static

templates

registration

security

base\_one.html

base.html

edit\_video.html

home.html

live\_stream.html

upload\_video.ht...

video\_list.html

video\_manag...

\_init\_.py

admin.py

apps.py

consumers.py

forms.py

models.py

routing.py

tests.py

video\_list.html

```
1  {% extends 'security/base_one.html' %} 2  {% load static %} 3  4  {% block title %}Available CCTV Videos - Security Platform{% endblock %} 5  6  {% block content %} 7  <div class="container mx-auto px-4 py-8"> 8  <div class="flex justify-between items-center mb-6"> 9  <h2 class="text-3xl font-bold text-gray-800">Available CCTV Videos</h2> 10 <a href="{% url 'live_stream' %}" class="bg-red-500 hover:bg-red-600 text-white font-bold py-2 px-4 rounded inline-flex items-center transition-all duration-200 ease-in-out"> 11 <svg class="w-4 h-4 mr-2" fill="none" stroke="currentColor" viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"> 12 <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M15 10l4.553-2.276a1 1 0 0 1 8.618v6.764a1 1 0 0 1-1.447.89" /></path> 13 </svg> 14 <span>Show Live Footage</span> 15 </a> 16 </div> 17 <div class="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6"> 18 <% for video in videos %> 19 <div class="bg-white rounded-lg shadow-md overflow-hidden"> 20 <div class="p-4"> 21 <h3 class="text-xl font-semibold text-gray-800 mb-2">{{ video.video_name }}</h3> 22 <div class="aspect-w-16 aspect-h-9"> 23 <video class="object-cover w-full h-full rounded" controls preload="metadata"> 24 <source src="{{ video.file.url }}" type="video/mp4" /> 25 <p>Your browser does not support the video tag.</p> 26 </video> 27 </div> 28 <div class="mt-4 flex justify-between items-center"> 29 <span class="text-sm text-gray-600">Uploaded: {{ video.uploaded_at|date:"F d, Y" }}</span> 30 <a href="{{ video.file.url }}" download class="text-blue-600 hover:text-blue-800 text-sm font-medium"> 31 <span>Download</span> 32 </a> 33 </div>
```

OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

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# PROJECT DEMO SCREENSHOTS



CCTV Security Platform

Home View Videos Manage Videos

Logout

## Available CCTV Videos

Show Live Footage

CCTV FOOT



Uploaded:

[Download](#)

Grocery Footage



Uploaded:

[Download](#)

# PROJECT DEMO SCREENSHOTS



CCTV Security Platform Home View Videos Manage Videos Logout

Upload New Video

Video name:

File: Choose File No file chosen

Upload Video

CCTV Security Platform Home View Videos Manage Videos Logout

Upload New Video

Video name:

File: Choose File Test\_upload.mp4

Upload Video

# PROJECT DEMO SCREENSHOTS



CCTV Security Platform Home View Videos Manage Videos

Logout

## Available CCTV Videos

Show Live Footage

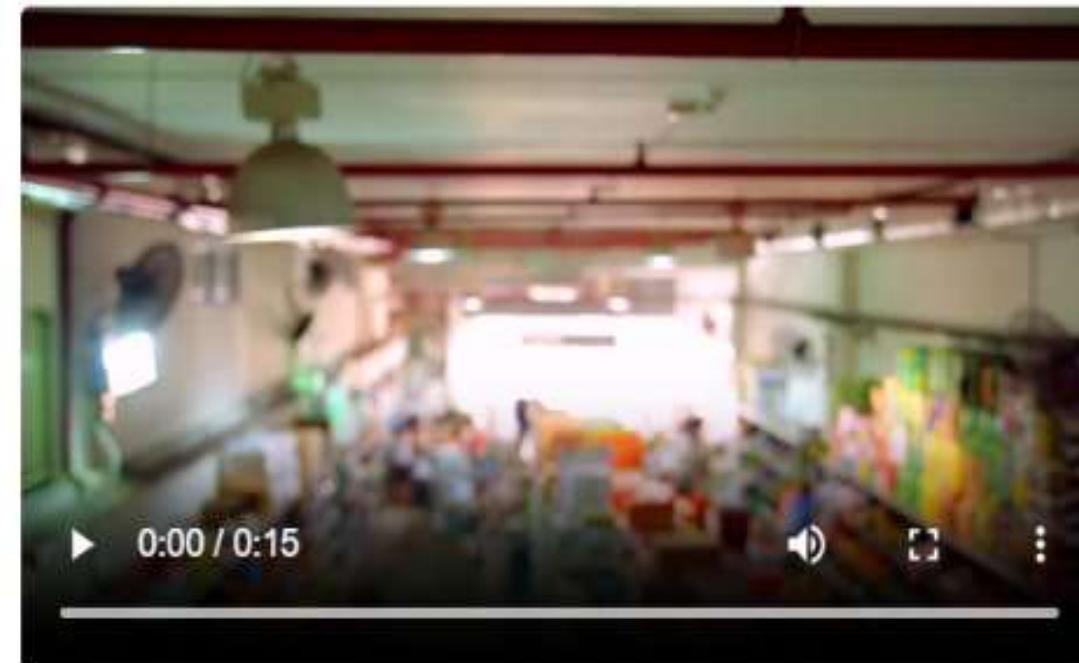
CCTV FOOT



Uploaded:

[Download](#)

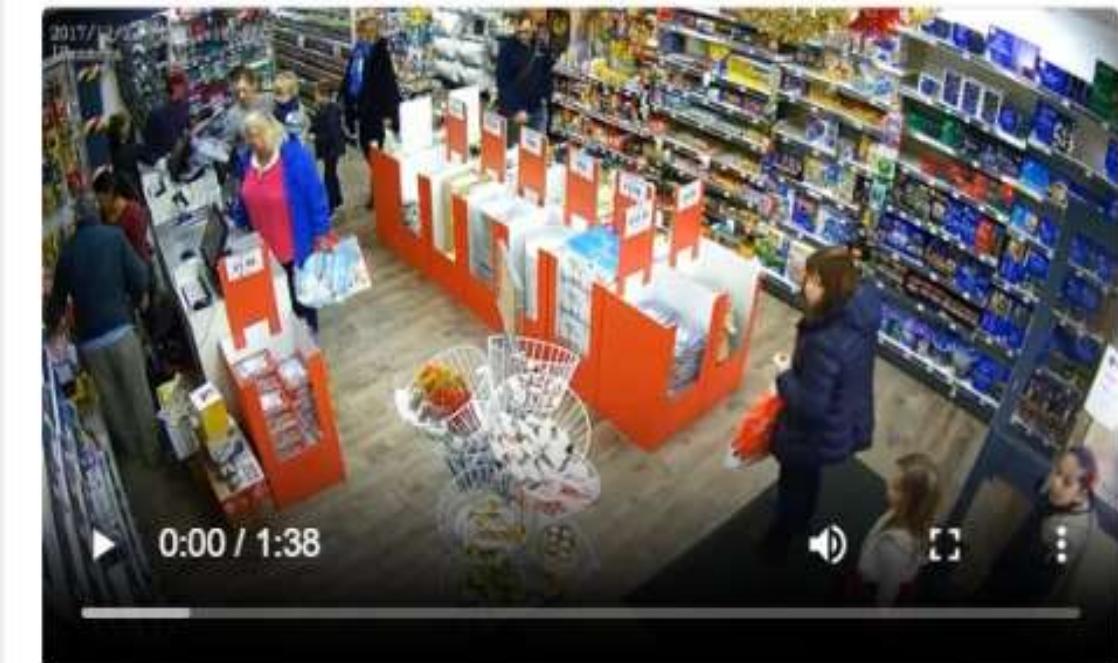
Grocery Footage



Uploaded:

[Download](#)

Test\_Upload



Uploaded:

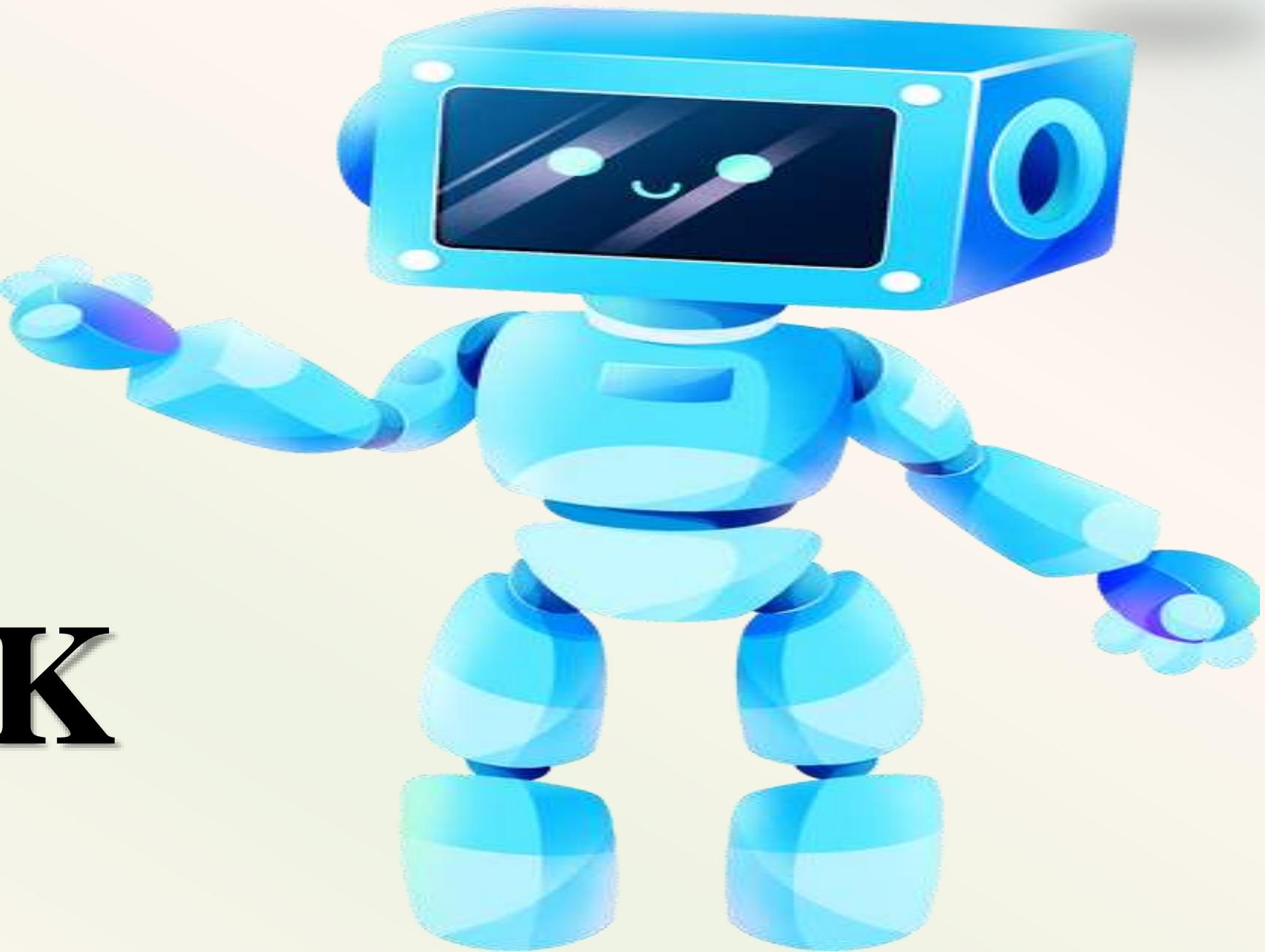
[Download](#)



# GitHub

## GITHUB LINK

<https://github.com/htmw/2024F-Team4/wiki>



# LIVE APPLICATION DEMO

A blurred background image of a supermarket aisle, showing shelves stocked with various products. In the upper right corner of the image, there is a small, rectangular video feed showing a man's face. Below this video feed, the name 'Vinod Kumar Aluru' is displayed.

Welcome to Supermarket Surveillance Web App

Real-time video monitoring for enhanced supermarket security

Get Started

A screenshot of a web application interface for a supermarket surveillance system. The main title 'Welcome to Supermarket Surveillance Web App' is prominently displayed in large white font. Below it, a subtitle 'Real-time video monitoring for enhanced supermarket security' is shown in smaller white font. At the bottom left, a blue button with the text 'Get Started' is visible. The background of the app interface is a blurred image of a supermarket aisle.

## Our Features

