

Week 6-9 Update

Worked on Camera Interface

1. **Backend Logic for Adding Cameras**
 - a. Adding Camera
 - b. Adding Multiple Cameras
 - c. Removing a Camera
 - d. Integration with each user's database
2. **Front End**
 - a. Displaying Live Stream
 - b. Tables and Pop Ups for selection of cameras

Week 4-6 Update

Work on Database Integration

1. Created database for sign-up.

| Email | UserName (Primary K) | Name | Password |
|--|----------------------|----------------|----------|
| fmsani@gamil.com | fm_sani | Fateh Muhammad | ***** |
| adeel@gmail.com | adeel_20 | Adeel Subhan | ***** |

2. Created database for for Camera Integration, the following database schema was used.

| IP_Address | User_Name(Foreign Key) | User |
|---------------|------------------------|------------------------|
| 192.168.10.11 | fm_sani | Majid (Fateh's friend) |
| 192.168.10.12 | fm_sani | Fateh Muhammad |

Week 2-4 Update

Work on Shooting Detection (Threat Detection):

- Collected dataset from multiple sources (Kaggle, Roboflow)
- Cleaned Data
- Pre-Processed and Concatenated Dataset
- Prepared Data for Augmentation
- Trained YOLOV8L model.
- Evaluated the results.

Week 1-2 Update

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Work on Fire Detection (Threat Detection):

- Collected dataset for fire detection
- Cleaned Data
- Pre-Processed and Augmented Data
- Prepared Data for Augmentation
- Trained YOLOV8L model.
- Evaluated the results.