

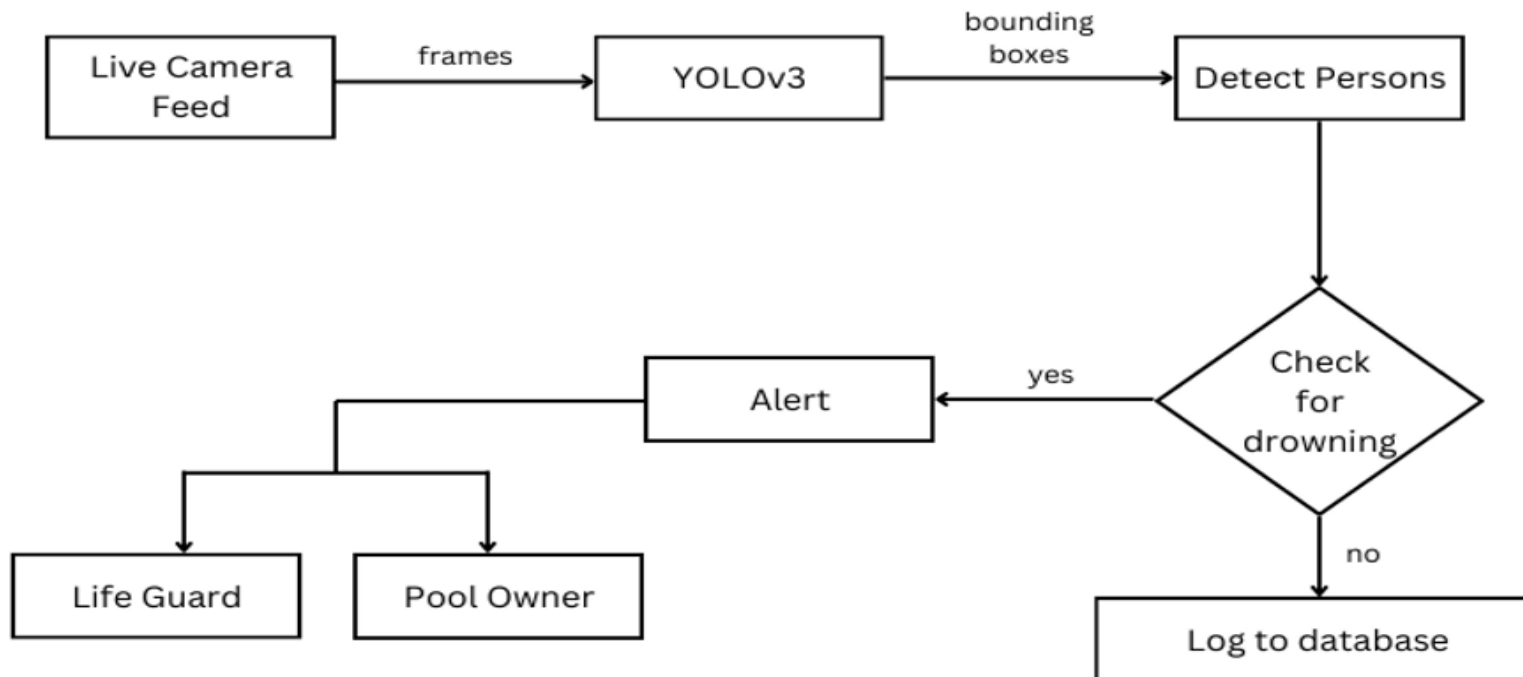
Project Design Phase-II

Data Flow Diagram & User Stories

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|---------------|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID49865 |
| Project Name | Virtual Eye – Life Guard for Swimming Pools to Detect Active Drowning |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories

Use the below template to list all the user stories for the product.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|---|--|----------|----------|
| Customer (Pool owner) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
| | Login | USN-3 | As a user, I can log into the application by entering email & password | I can login & access the dashboard | Medium | Sprint-1 |
| | Installation | USN-4 | As a user, I will install the camera and setup the drowning detection system | I can install the camera and detection system | High | Sprint-1 |
| | Detection | USN-5 | As a user, I can detect the drowning person using drowning detection system | I can detect the drowning persons | High | Sprint-1 |
| | Life Guards | USN-6 | As an owner, I will appoint life guards for the swimming pool for rescuing drowning person | I will appoint life guards for rescue | High | Sprint-2 |
| | Alert | USN-7 | As a user, I will get alert sounds when the swimmer is drowning | I will be alerted if the swimmer is drowning | Medium | Sprint-2 |
| Customer Care Executive | contact | USN-8 | As an executor, I can solve technical issues in the system | I can solve technical issues in the system | Medium | Sprint-3 |
| Administrator | Database | USN-9 | As an administrator, I can manage the database | I can manage the system logs and other data | High | Sprint-4 |
| | | USN-10 | As an administrator, I can manage the drowning detection system | I can manage the system logs and other data | High | Sprint-4 |