

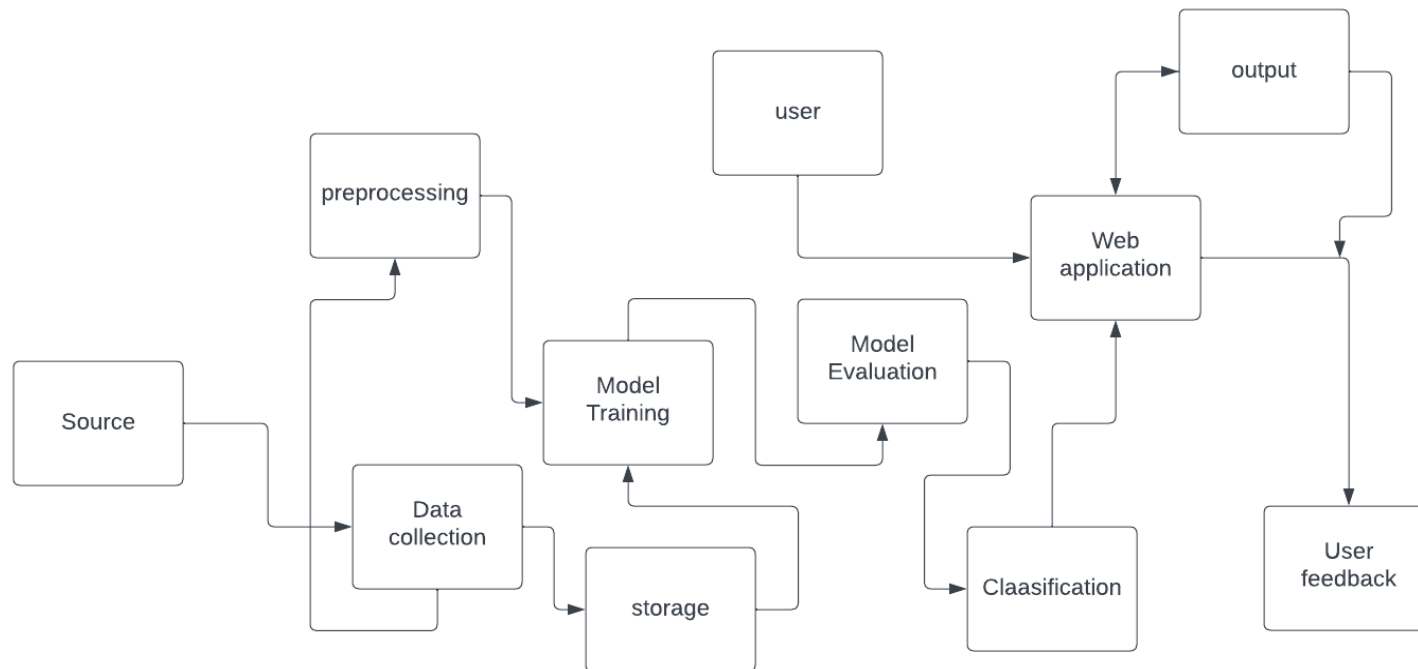
Project Design Phase-II

Data Flow Diagram & User Stories

Date	6-10-2023
Team ID	PNT2022TMIDxxxxxx
Project Name	ConstructGuard_YOLO-Based Saftey Gear Survilance
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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Construction Manager	Monitor construction site for safety violations	US001	As a construction manager, I want to get alerted to unsafe conditions on site so I can quickly address them	System detects common safety violations like lack of hard hats, harnesses, improper equipment use etc. Alerts are sent to construction manager in real-time via email/text with screenshot and details.	High	v1
Construction Worker	Request help in case of emergency	US002	As a construction worker, I want to be able to quickly request help in case of an emergency so I can get assistance faster.	Workers are provided a safety button that can be pressed to trigger emergency alert. Alert sent to safety manager with worker's location. Emergency response process is initiated immediately.	High	V1
Safety Manager	Generate safety compliance reports	US003	As a safety manager, I want to be able to pull up-to-date compliance reports so I can identify risks and demonstrate adherence.	Reports on safety violations, trends, and metrics available on demand. Reports meet regulatory compliance requirements. Data exportable to share with stakeholders.	Medium	V2

