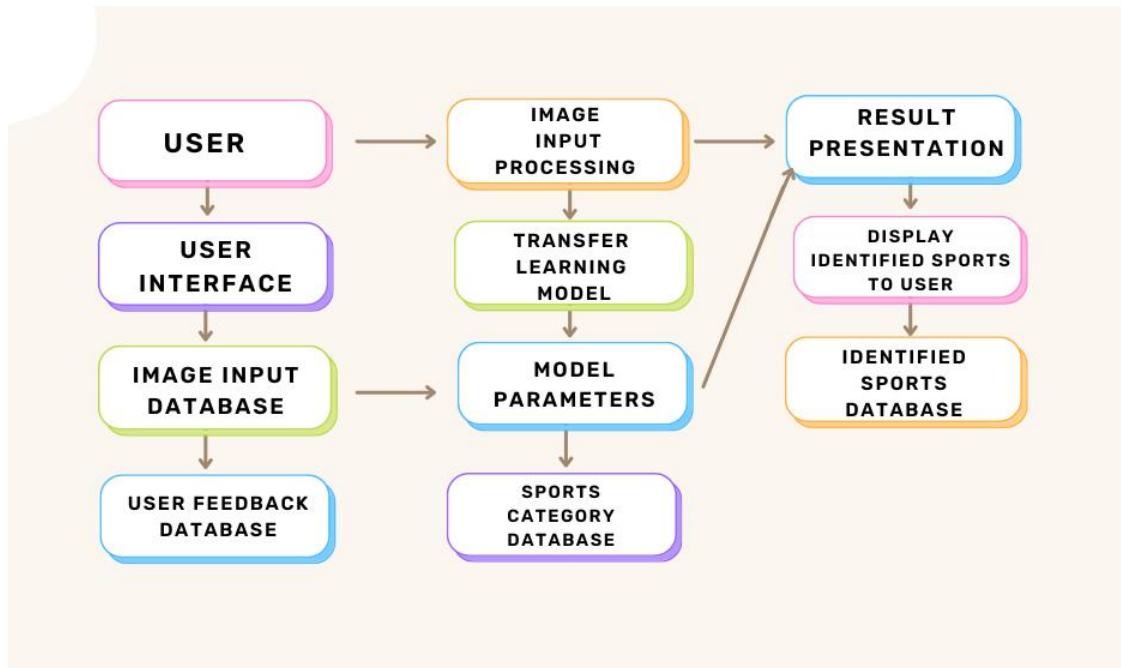


## Data Flow Diagrams:

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	User Story Number	User Story/ Task	Acceptance Criteria	Priority	Release
Casual Users	Image Upload	USN-1	As a casual user, I want to upload an image of a sports scene.	User can successfully upload an image.	Medium	Sprint-1
Casual Users	Quick Identification	USN-2	As a casual user, I want quick identification of sports in my image.	System provides near-instant identification results.	High	Sprint-1
Enthusiast Users	Accuracy in identification	USN-3	As an enthusiast user, I want accurate identification of sports.	Identified sports match with the actual sports in the image.	High	Sprint-1

Enthusiast Users	Feedback Submission	USN-4	As an enthusiast user, I want to provide feedback on incorrectly identified sports.	System allows users to submit feedback.	Medium	Sprint-2
Professional Photographers	Batch Processing	USN-5	As a photographer, I want to upload and process multiple images at once.	User can upload a batch of images.	High	Sprint-2
Professional Photographers	Detailed Metadata	USN-6	As a photographer, I want detailed metadata on identified sports in my images.	Metadata includes identified sports and confidence scores for each image.	Medium	Sprint-2
Sports Analysts	Integrated with Analysis Tools	USN-7	As a sports analyst, I want seamless integration with analysis tools.	System provides APIs for integration.	High	Sprint-3
Sports Analysts	Custom Confidence Thresholds	USN-8	As a sports analyst, I want to adjust the confidence threshold for identifications.	User can customize the confidence threshold.	Medium	Sprint-3
Developers/Integrators	API Documentation	USN-9	As a developer, I want well-documented APIs for system integration.	Comprehensive documentation on available APIs.	High	Sprint-4
Developers/Integrators	Integration Support	USN-10	As a developer, I want support for seamless integration into different platforms.	System supports integration with diverse platforms.	High	Sprint-4
System Administrators	Monitoring Tools	USN-11	As a system administrator, I want monitoring tools for system health.	Tools provide real-time monitoring of system performance.	Medium	Sprint-5

System Administrators	Model Configuration	USN-12	As a system administrator, I want the ability to configure the transfer learning model.	Access to model parameters for configuration.	Medium	Sprint-5
Educators/ Researchers	Research Collaboration	USN-13	As an educator/ researcher, I want collaboration features for sharing findings.	System supports collaboration on research projects.	Medium	Sprint-6
Educators/ Researchers	Model Fine-Tuning	USN-14	As an educator/ researcher, I want the ability to fine-tune the transfer learning model.	Access to model parameters for fine-tuning.	Medium	Sprint-6
Mobile Users	Mobile-friendly Interface	USN-15	As a mobile user, I want a user-friendly interface on my mobile device.	Interface is responsive and visually appealing on various screen sizes.	High	Sprint-7