Project Design Phase-II
Data Flow Diagram & User Stories

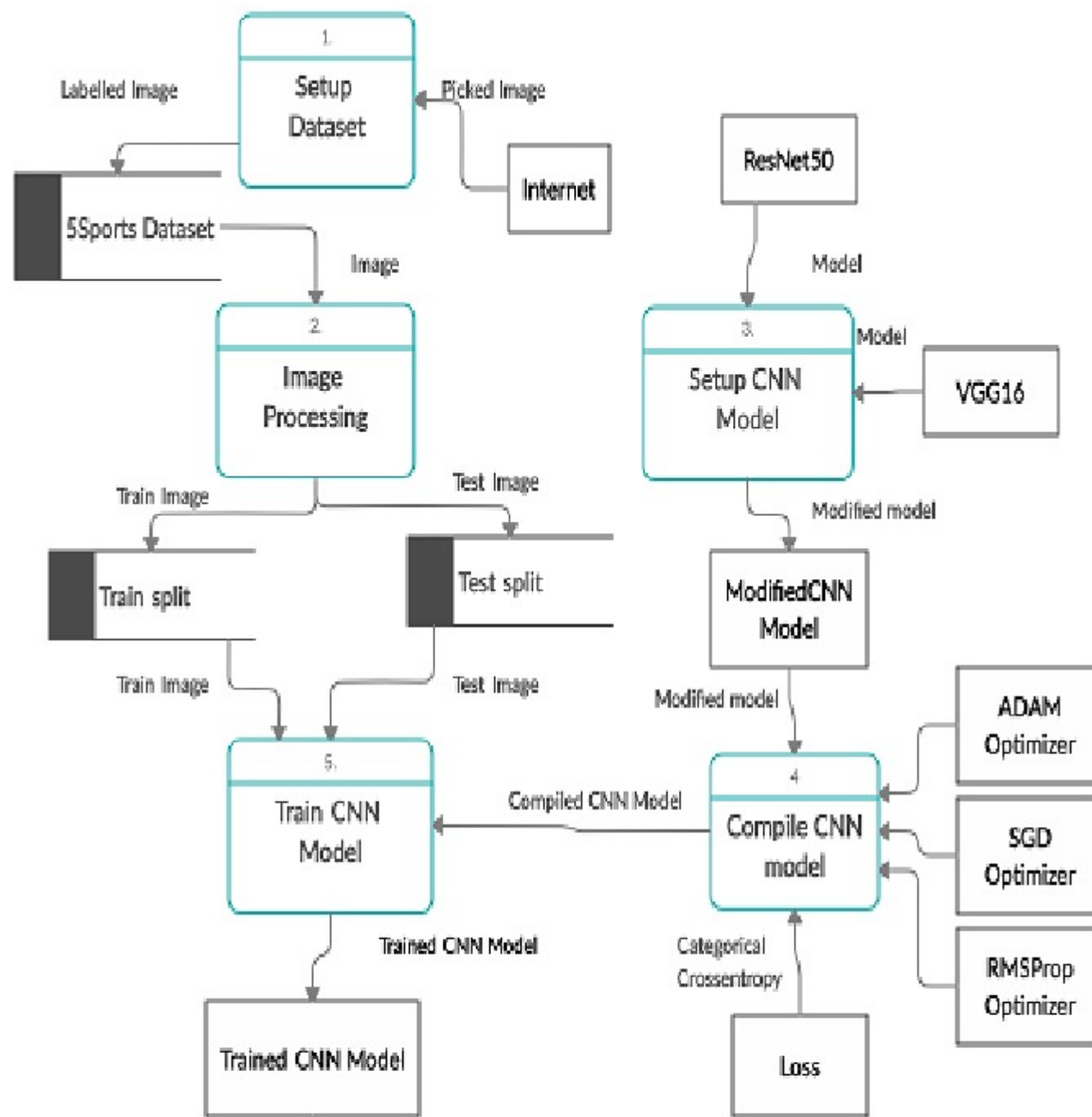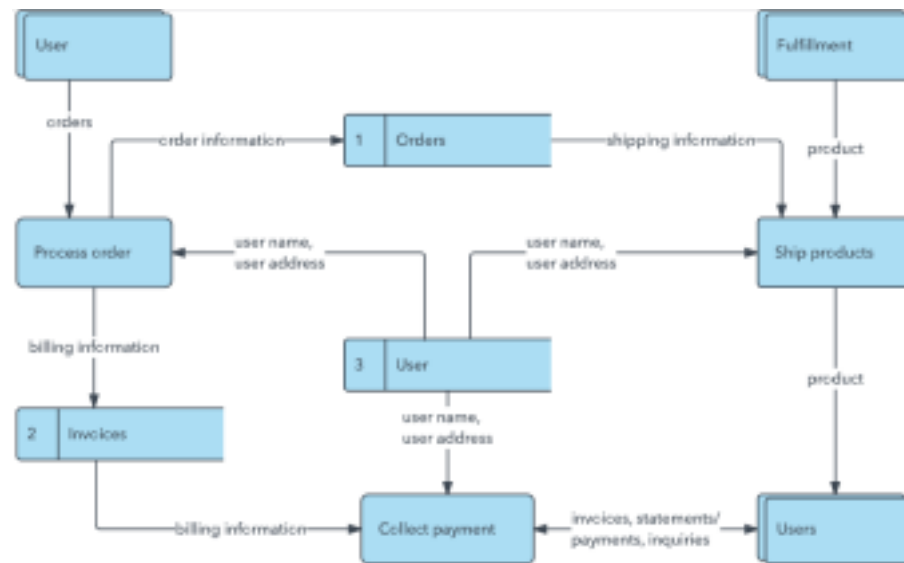| Date	26 september 2023
Team ID	DA45166015C4B0CA5D246D21C9B3FBCA
Project Name	Project - Data-Driven insights on Olympic sports participation and performance
Maximum Marks	4 Marks

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.

Example: DFD Level 0 (Industry Standard)

Example: (Simplified)

Setup Dataset
1

Labelled Image

Picked Image

Internet

5Sports Dataset

Image

Image Processing
2

Train Image

Test Image

Train split

Test split

Train Image

Test Image

ResNet50

Model

Setup CNN Model
3

Model

VGG16

Modified model

ModifiedCNN Model

Modified model

ADAM Optimizer

Train CNN Model
5

Compiled CNN Model

Compile CNN model
4

SGD Optimizer

RMSProp Optimizer

Trained CNN Model

Categorical Crossentropy

Loss

Trained CNN Model

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
Data analysis And statistics	Data retrieval And storage	USN-1	As a user, I want to be able to retrieve up-to-date data on olympic sports and athletes	The system should be able to retrieve data from reliable and up-to-date sources	High	Sprint-1
Data visualization	Data cleaning and preprocessing	USN-2	As a data analyst,I want the system to Automatically clean and preprocess the data to save time on manual data wrangling	The system should Remove duplicate entries from the raw data	High	Sprint-1

Data collection and cleaning	Data analysis and visualization	USN-3	As a sports enthusiast ,Iwant to view graphical representations performance Trends for specific olympic sports over the years	The system should perform trend analysis on at least three key performance metric for each olympic sport	High	Sprint-2
Domain knowledge	User authentication And authorisation	USN-4	As a admin ,I want to be able to grant specific permissions to different user roles(e.g admin,analyst,viewer)	Users should be able to register accounts with unique usernames and strong password	High	Sprint-1
Database management	Reporting and export	USN-5	As a coach,I want to generate report on my teams performance in a specific olympic event and export it for presentation	Users should be able to generate reports with customizable content and formatting	Medium	Sprint-1