DATA FLOW DIAGRAM

```
┌─────────────────────┐                      ┌──────────────────┐                      ┌──────────────────────┐
│  User Interface     │                      │ Processes Inputs │   Usage of libraries │ Data Preprocessing   │
│ (Web Application    │ ──── Inputs ────►    │                  │ ──────────────────► │    (Cleaning)        │
│  using streamlit)   │                      │                  │                      │                      │
└─────────────────────┘                      └──────────────────┘                      └──────────────────────┘
                                                                                                  ▲
                                                                                                  │  Scikit
                                                                                                  │  Learn
                                                                                                  ▼  libraries
┌──────────────────────┐    Train the model   ┌──────────────────────┐
│  Prediction Engine   │ ◄──────────────────  │ Machine Learning     │
│                      │                      │    Algorithms        │
└──────────────────────┘                      └──────────────────────┘
        │
┌──────────────────────┐
│ Display the predicted │
│   T20 Scores          │
└──────────────────────┘
```
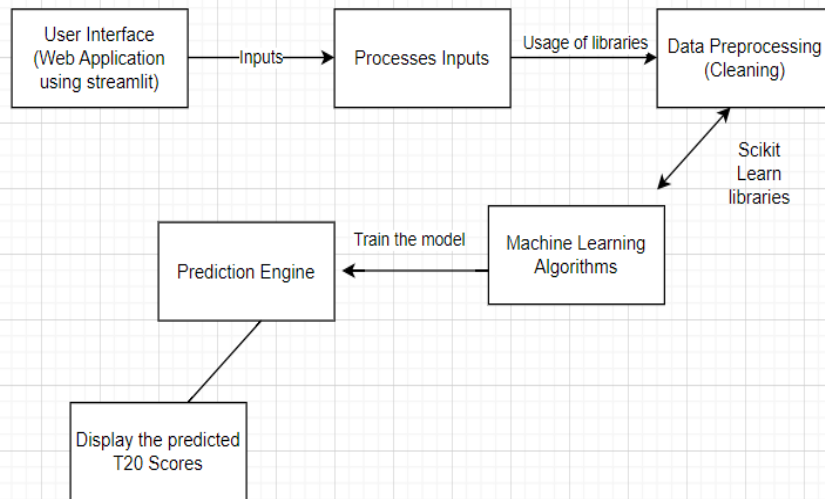
USER STORIES

User Story Number	User Type	Functional Requirement	User Story	Task	Priority	Acceptance Criteria	Release
USN-1	Customer	User registration	As a user, I can input match details to get a predicted T20 score.	- Design match details input form Implement form validation Set up input data handling	High	User can input match details in the designated form. Form validation ensures accurate and complete inputs. Input data is processed and stored correctly.	Sprint-1
USN-2	Customer	Historical data display	As a user, I want to see historical match data used in predictions.	Implement historical data retrieval logic Display historical data on the dashboard	High	Historical data is successfully retrieved from the Kaggle dataset. The dashboard displays historical match data clearly and accurately.	Sprint-1
USN-3	Customer	Prediction viewing	As a user, I can view predicted T20 scores for upcoming matches.	Develop and train machine learning models (e.g., regression models) Implement prediction algorithm	High	Machine learning models are trained successfully.- Predicted T20 scores are accurately displayed on the web application.	Sprint-2

USN-5	Developer	Creating application	As a user, I can provide inputs to the website to obtain the predicted scores.	Integrate model with Flask, using streamlit Display predicted scores on the web application dashboard	High	The model is successfully integrated with streamlit. The web application dashboard displays predicted scores based on user inputs.	Sprint-3
USN-4	Customer	Additional insights	As a user, I can explore additional insights on team and player performance.	- Integrate additional statistics and insights features from Kaggle dataset Enhance the dashboard UI with insights	Medium	Additional statistics and insights are seamlessly integrated into the dashboard.	Sprint-4