

# **SRA for Live Cricket Score for Inter/Intra University Tournaments**

## **Group 5**

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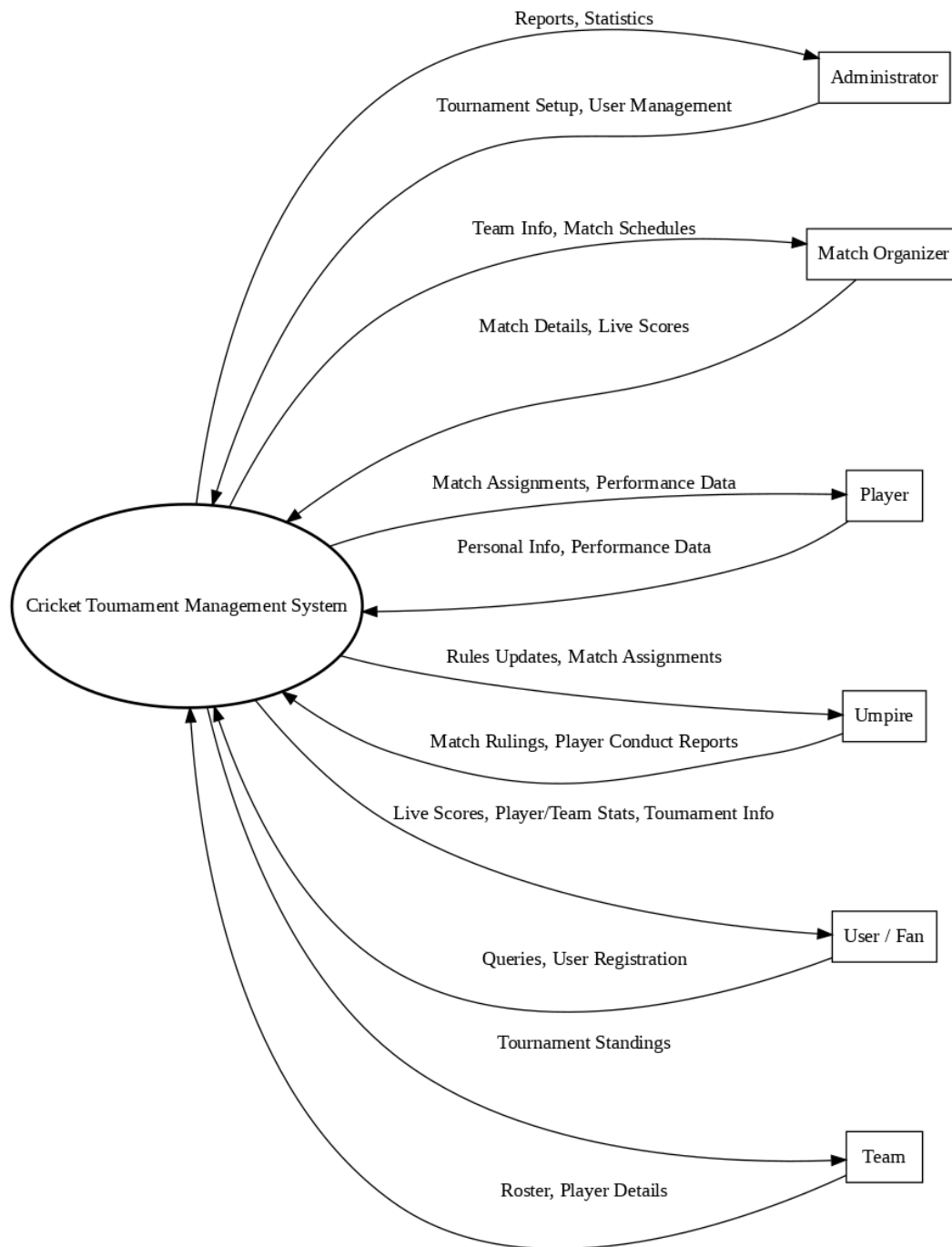
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## Context free diagram



**Description :**

The context diagram for the Cricket Tournament Management System shows us how the interaction works between various entities and the system's core functionalities. The system is designed to serve Administrators, Match Organizers, Players, Umpires, Users/Fans, and Teams. Administrators manage tournament setup and user management, while Match Organizers handle match details, live scores, and performance data. Players access personal information and performance metrics, and Umpires oversee match rulings and player conduct. Users/Fans can view live scores, player/team statistics, and tournament information, and register queries. Teams manage their rosters and player details. The system ensures good integration of these functionalities to provide a good platform for managing and following cricket tournaments.

**Data Flow Diagram :****Level 0 DFD :****External Entities :**

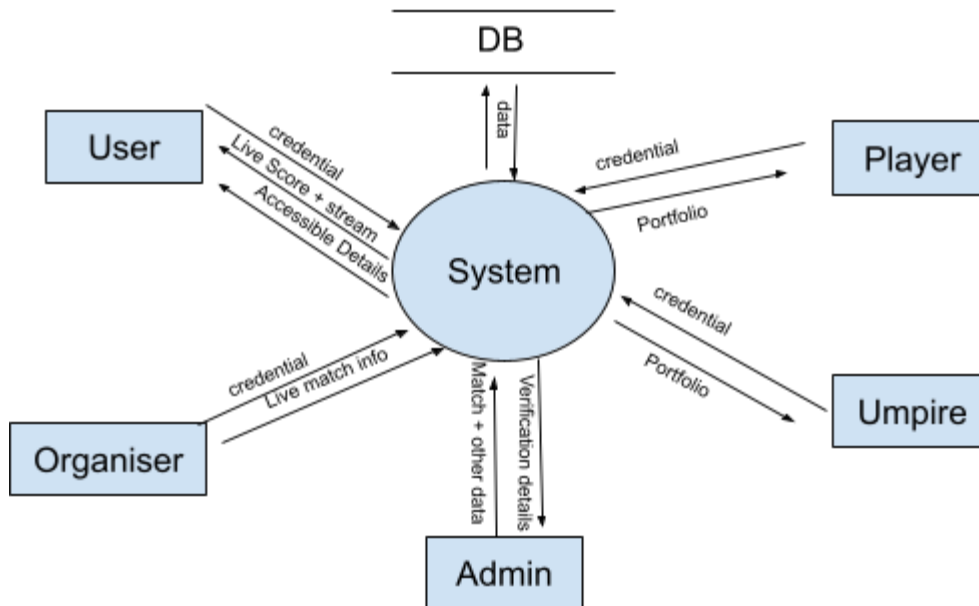
User  
Organiser  
Player  
Umpire  
Admin

**Database :**

System database managed by Administrators

All the above entities will interact with the system with their respective credentials and data flow in & out as shown in the DFD diagram.

1. User verification starts by sending credentials and when verified it will get access to all the data available for users like Live score ,Live streaming , commentary ,its profile and other details.
2. Organiser verifies by sending its credential and sending all the data related to match & league and match stream if there.
3. Player & Umpire verifies by sending its credentials and in return able to see its profile
4. Administrator / Admin system is one which controls all the data flows. Its getting the data from the Organiser and processing it showing all the details needed to its stakeholders.



Description:

**Level 1 & 2 DFD :**

Umpire :

**Interaction with Organiser space**

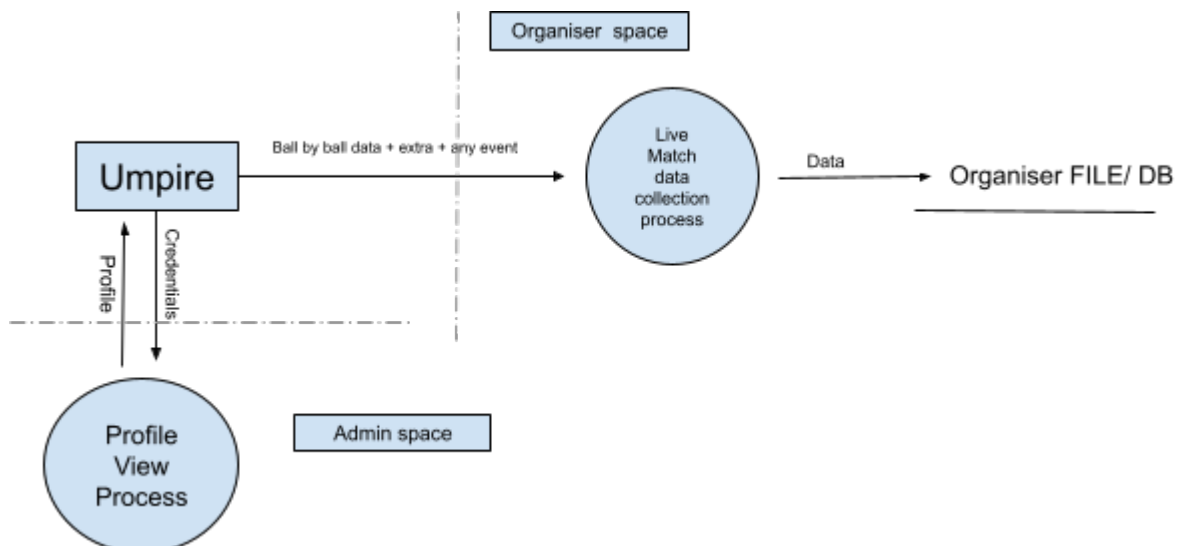
1. Umpire is responsible for sending ball by ball details to Organiser
2. Umpire is responsible for sending toss & other details( like weather,on ground details ) to Organiser

**Interaction with Admin space**

1. Umpire sends credentials to Admin on application for signup and signin
2. Verified Umpire gets its profile details from admin after request.

**Database/File**

Organiser File (Denoted by underline because its external file in the view umpire space).



Organiser :

### Interaction with Admin Space

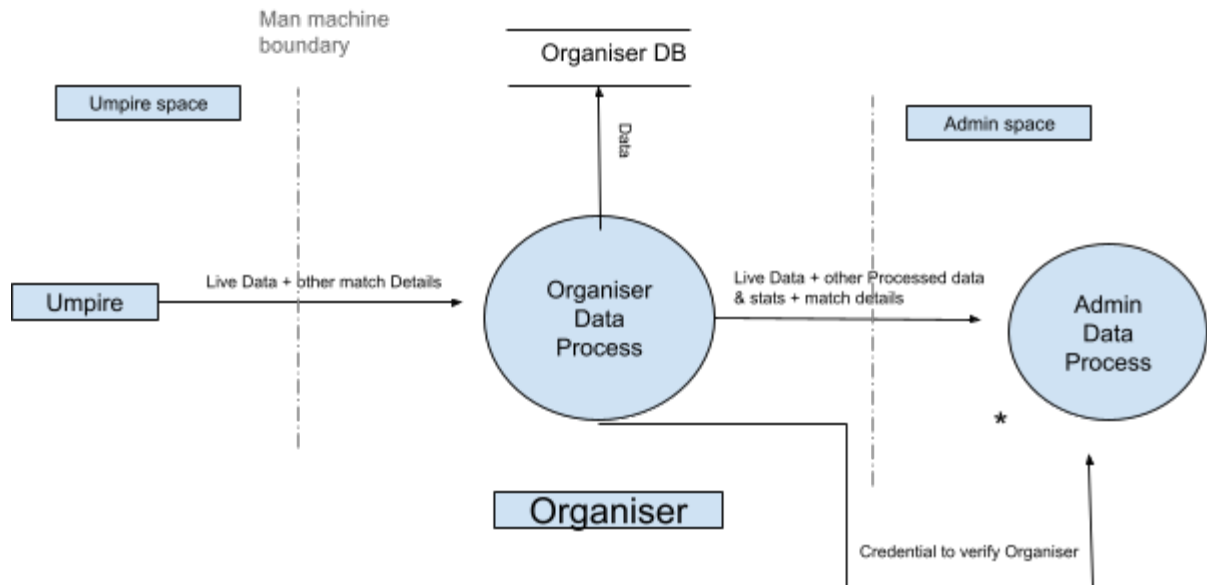
1. Organiser sends all the live details and other match details to Admin space
2. Organise also sends the processed data for each player/ Umpire at the end of major event like end of over or if batsman get out or end of innings

### Interaction with Umpire Space

1. Organiser gets the ball by ball details from Umpire & all match details
2. Process the umpire's data to create statistics

### Database/File

Organiser DB (Denoted under 2 lines as its internal DB wrt to Organiser)



Player:

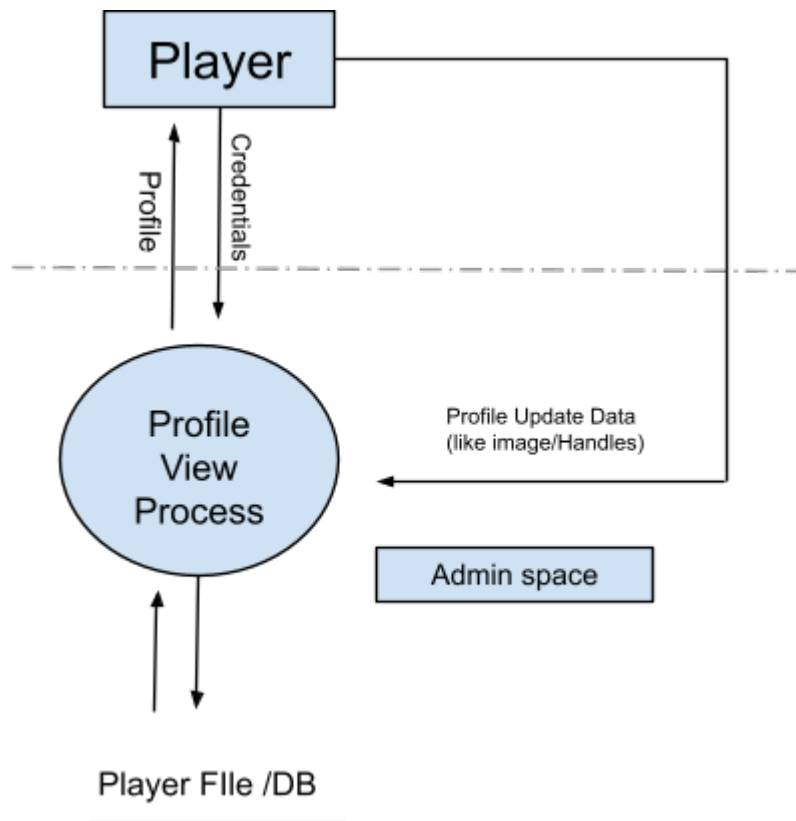
**Interaction with Admin space**

1. Player sends credentials to Admin on application for signup and signin 2. Player gets its profile details from the admin.

3. Player also sends the details to be changed in its profile (like image, handles, others)

**Database/File**

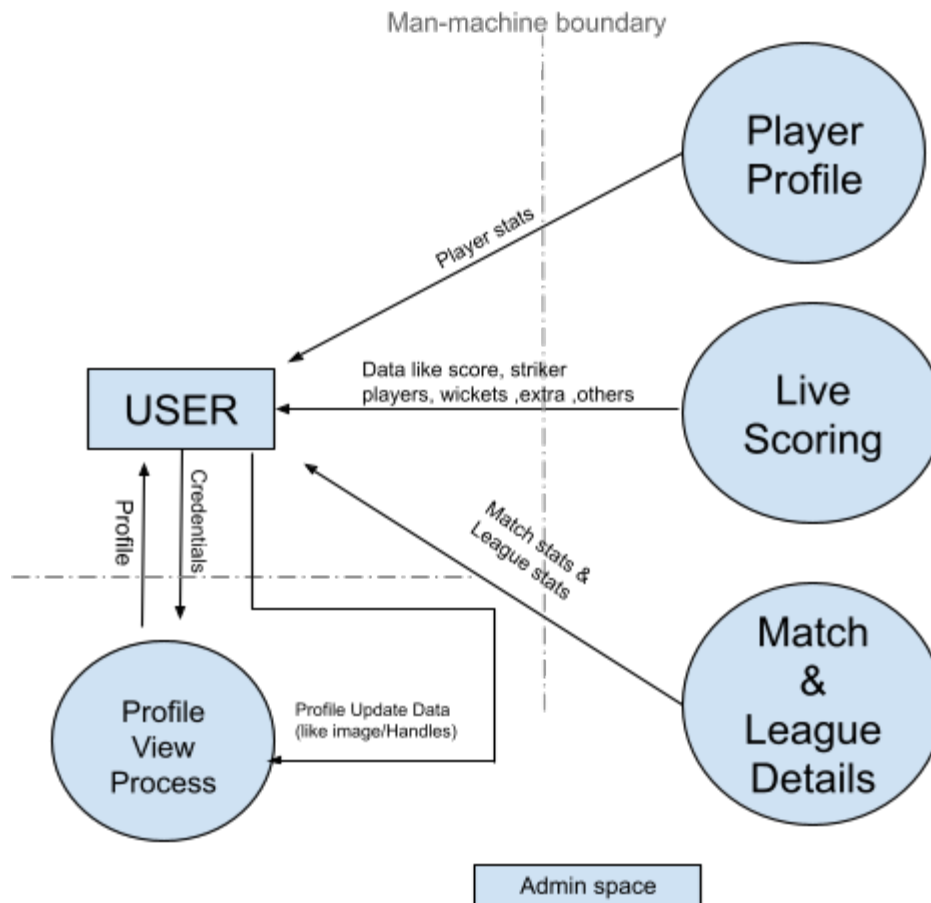
Player File /DB owned by Admin (Denoted by underline because its external file in the view player space).



User :

### Interaction with Admin space

1. User sends credentials to Admin on application for signup and signin
2. User gets its profile details from the admin.
3. User also sends the details to be changed in its profile (like image, handles, others)
4. User request for any specific match details ,live scorers and also about any player /umpire details and get from admin space if request is valid.



Admin:

1. Admin system get all the credentials from other stakeholders
2. Admin system get Live data, other Processed data, stats & match details from the organiser
3. Admin system sends all the data to the user as requested if request is a valid request
4. Admin system combines player DB which contains all the details of player and Admin DB which contain match and league details to prepare statistics like best scorer, most economical bowler, scorecard and others data to user

### Database/File

Player DB : Owned by Admin and contain all the details of given player & umpire  
Admin DB : Owned by Admin and contain all other league & match details

Note: Even both owned by Admin, DB are separated in the view to serve requests fast as umpire & Player profile can be independently served by player DB. Also Player DB contains a similar type of data.

