Requirement Specification for Archives Services module of the APP –

User Story –

As a user, I must be able to view the previous matches and details of the match (winner, man of the match, score report).

Functional Requirements –

* View Previous Matches.
* View Match Results.
* View Match Score Report.
* View Man of the Match.

Non-Functional Requirements –

* Show leagues (IPL, T20 World Cup).
* Group matches by type (T20, ODI and Test).
* Group matches by occurrence year.
* Group matches by leagues.
* Group matches by teams.

Entities for this module –

* Match
  + matchID – A unique id to specify this particular match.
  + matchTime – The date on which the match shall(has) occur(ed) and the time at which the match shall(has) start(ed).
  + matchVenue – The stadium at which the match shall(has) occur(ed). An association with Stadium object.
  + matchParticipants – The teams which shall(have) play(ed) against each other (An association with Team entity).
  + matchType – T20/ODI/Test
  + matchLeague – Bilateral Series, IPL, Carribean League, BBL, World Cup etc.
  + matchScoreCard – An association with ScoreCard object.
  + matchStatus – Concluded/Forfeited/Cancelled/Scheduled.
  + result – result of the match.
* ScoreCard
  + scoreCardID – A unique id to specify the score report.
  + participants – The teams which shall(have) play(ed) against each other (An association with Team entity).
  + team\_i\_score – Total score of ith team of participants.
  + team\_i\_wickets – Total wickets fallen of ith team of participants.
  + team\_i\_overs – Overs played by ith team of participants.
  + manOfTheMatch – The man of the match.

Details of the functionalities required in Archives Services module –

1. User can view the list of matches sorted by date of occurrence (recent first).
2. User can view the result of the match.
3. User can view the score report of a particular match.
4. User can view man of the match.
5. User can view various leagues sorted by date (recent first).
6. User can view the list of matches grouped by the league in which the match took place.
7. User can view the list of matches grouped by type (ODI/Test/T20).
8. User can view matches grouped by occurrence year (recent first).
9. User can view matches grouped by teams.

These are the functionalities that are required in the front end of the application – things which the user wants to view. Functionalities in Backend application to support these requirements –

1. List the matches by year.
2. List all the matches.
3. List the score-card details, based on foreign key from matches.