**Cricket World Cup Database Management**

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Database Design and Management

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Abstract Idea of Project -

We are creating a website consisting of Cricket Database that enables users to obtain information regarding any of the events taking place in world cup.

Salient features of our project are that it would let the user know all the details of any match in the World Cup.

For every match, scorecard, ball by ball updates, match insights can be viewed and queried.

We have a Stats page which will indicate the top performers of World Cup, example, Top Run Scorer, Highest Wicket Taker etc.

Image Gallery of World Cup events can also be visited in the website.

Introduction –

* Objective – A website which uses a Cricket Database to view details of all the events taking place in World Cup.
* Scope of Work – Our website can be used for Cricket Tournaments, cricket matches taking place in GUSTO event of our college can be efficiently recorded, and proper statistics can be maintained.

Theoretical Fundamentals **–**

* A user will be able to view ball by ball updates of live matches taking place in the world cup.
* These updates would include runs scored, wickets taken or extras conceded by bowler/batsman.
* And these attributes would be simultaneously updated in our DB.
* A user will also be able to view stats like ‘Top Run Scorer’, ‘Highest Wicket Taker’, ‘Best Bowling Figures’, ‘Highest Individual Score’, ’Highest Total’ etc. on the same webpage.
* Queries such as -
  + - Runs scored by a batsman in a specific span of overs
    - Average, Economy, Strike Rate, wickets taken, maidens of bowlers
    - Centuries, fifties, 4s, 6s and many other details of each batsman
    - Catches taken, run-outs done in an inning/match
* Recent activities like 50s, 100s, wickets, hat tricks etc. of a player will be displayed specifically.
* Score card will be updated ball by ball and can be retrieved at any point.
* Man of the Match will be declared after the end of the match.
* Database Administrators will have the right to make updates to the database and will be assigned a separate login page for it.

Implementation –

* We have used several front end languages such as html, jquery, css, javascript to give our website a user friendly look.
* We have used PHP language in the backend part for ensuring appropriate functioning of our website.
* Database is retrieved using mysql connect commands using php my admin.
* Several queries have been used to retrieve the required information from database such as getting highest run scorer, highest wicket taker etc.
* Bar charts have also been implemented.
* Image Slider has been used.

Results –

Screenshots of our Website are –