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Department of Computer Science & Engineering

DATABASE LAB
CSE - 3104

FINAL PROJECT REPORT

Cricket Profile Management System

Submitted by

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October 15, 2019

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1 Introduction

Cricket is popular game all over the world. By the passage of time it's being more exciting competitive. Nowadays new countries are participating into cricket. To know a little about cricket this app can help a person. Though it's a simple app but by enriching it we can gain knowledge get information about this popular game. This app will help us to enrich ourself about cricket.

2 Objective

The main objectives and focuses of this project are -

- Giving information about players from past to present.
- Players personal information.
- Best player in different category.
- Players ranking in different catagories.
- Help users to find best wicket taking bowler, most run scoring batsman and highest centurian of all time.
- Allow the user to search performance of players by typing the name of the player.

3 Entity-Relationship Diagram

Here is the overview of our project ERD:

3.1 Entity and its attributes

3.1.1 Entity – 01 : Team

- TeamId - Primary Key
- Country
- Captain

3.1.2 Entity – 02 : Batsman

- BatsmanId - Primary Key
- TeamID - Foreign Key
- Debut Date
- Date of birth(Dob)
- Height
- Style
- Name

3.1.3 Entity – 03 : Bowler

- BowlerId - Primary Key
- TeamID - Foreign Key
- Debut Date
- Date of birth(Dob)
- Height
- Style
- Name

3.1.4 Entity – 04 : AllRounder

- ARId - Primary Key
- TeamID - Foreign Key
- BatsmanID - Foreign Key
- BowlerID - Foreign Key

3.1.5 Entity – 05 : Coach

- CId - Primary Key
- TeamId - Foreign Key
- Name
- Country

3.1.6 Entity – 06 : Matches

- MatchtId - Primary Key
- WinningTeam
- LosingTeam
- Draw

3.1.7 Entity – 07 : ScoreCard

- SCId - Primary Key
- BatsmanId - Foreign Key
- BowlerId - Foreign Key
- MatchId - Foreign Key
- TeamId - Foreign Key
- RunsScored
- BallsFaced
- Sixers
- Fours
- BallsBowled
- RunsConceded
- Wktstaken

3.2 Relationship

3.2.1 Relationship-01: Can View

3.2.2 Relationship-02: Can Edit

3.2.3 Relationship-03: Has

3.2.4 Relationship-04: Consist of

4 Roles:

4.0.1 ID: 17.01.04.048

Data Collection

Table Creation

Data Entry

4.0.2 ID: 17.01.04.049

GUI design

Netbeans Backend

Netbeans Page Creation

Netbeans Backend

Data Entry

4.0.3 ID: 17.01.04.052

Table Relation Manage

Database Role Manage

Query Execution

Data Entry

5 Future works

This project is currently showing on Netbeans based on Java in future we can use the database create an web-based or app-based project. We'll add more features and optimize the database for further use.

6 Conclusion

We're creating a database that a user can use it for getting the idea and all the statistics about the players. Users can see the performance of the players. Even user can see and understand the performance of a each players according to their team role. User can know about the unique records also. Indeed, User can get a idea about the best batsman,bowler and all rounders of the world.