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| Name: | Lohar Hamid A. |
| Roll No: | 111 |
| Class: | SYBCA-B SEM4 |
| Subject: | .Net Programming |
| Project Title: | Cricket Score Counter |
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**S.D. Jain International College**

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**1. Introduction**

Cricket Score Counter is application which can be used to count cricket score. We can record cricket match score using this application and then we can view summary of all match which we have already recorded.

**1.1Project Summary**

Cricket Score Counter is application which count cricket score and it provide live score board of running cricket match on screen. This application can be useful for scorer to record and maintain score of match. Cricket Counter records each ball and store it into database that means we can refer to any match at any time. With further enhancement this application can be used to display score card on large screen during match this score card is useful for audience and players too. Cricket Score Counter provides various kinds of reports of all match recorded. It provide following types of summary of match.

1. **Batsman Summary**: Here you can see all details about batsman’s performances in match. It shows Which Batsman made how many runs in how many balls and how many 4s and 6s of the batsman.
2. **Bowler Summary:** It shows performance of all bowlers that which bowler played how many over and gave how many runs and how many wickets taken by bowler. It also shows Economy of Bowler.
3. **Wicket Summary:** It shows details about Fall of Wickets.
4. **Over Summary:** It shows Summary of all over.

**Team Management:** Cricket Score Counter provides team management functionality. You can manage many teams in cricket counter. You can use that team further in any match. You get powerful team management where you can add players delete players and you can also set if player is ‘Batsman’ or ‘Bowler’.

**1.2 Technical Details**

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| --- | --- |
| **Project Title** | Cricket Score Counter |
| **Project Objective** | Record Cricket Match Score |
| **Name Of College** | SDJ International College |
| **Front-End Tool** | VB.NET |
| **Back-End Tool** | Ms Access Database with using ADO.NET |
| **Operating System** | Any Windows OS with .Net Framework 3.5 or later |
| **Internal Guide** | Nehal Patel |
| **Submitted By** | Lohar Hamid A |

**Project Profile**

**2. Designing**

Designing will include database designing and User interface designing.

**2.1 Database Design**

**Teams**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Constraints** |
| Id | AutoNumber | Unique Id for Teams | Primary Key |
| team\_name | Text | Name of Team | - |

**Players**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Constraints** |
| Id | AutoNumber | Unique ID of Players | Primary Key |
| Player\_name | Text | Name of Player | - |
| Player\_type | Text | Type of Player Either Batsman,Bowler or AllRounder | - |
| Team\_id | Number | Reference of Team | Foreign Key references Teams(id) |

**Matchs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Constraints** |
| Id | AutoNumber | Unique ID of Match | Primary Key |
| Team1 | Number | Team one who is playing | Foreign Key references Teams(id) |
| Team2 | Number | Team two who is playing | Foreign Key references Teams(id) |
| Match\_date | Date | Date on which match is recorded | - |
| Overs | Number | Number of Overs of match | - |
| Team\_win | Number | Team Id of winner team | - |

**Match\_log**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Constraints** |
| Id | AutoNumber | Unique ID of Match records | Primary Key |
| Match\_id | Number | Reference to Match | Foreign Key references Match(id) |
| Ball\_no | Number | It is used to refer to ball no of match | - |
| Ball\_type | Text | Refer to if ball is normal ball or wide ball | - |
| Player\_bat1 | Number | Refer to On strike batsman | Foreign Key references Players(id) |
| Player\_bat2 | Number | Refer to off strike batsman | Foreign Key references Players(id) |
| Player\_ball | Number | Refer to Bowler | Foreign Key references Players(id) |
| Score | Number | Score Achieved on ball | - |

**status**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Constraints** |
| Status\_name | Text | Variable name for status | Unique |
| Status\_value | Text | Value of status variable | - |

**2.2 Database Relationship**

