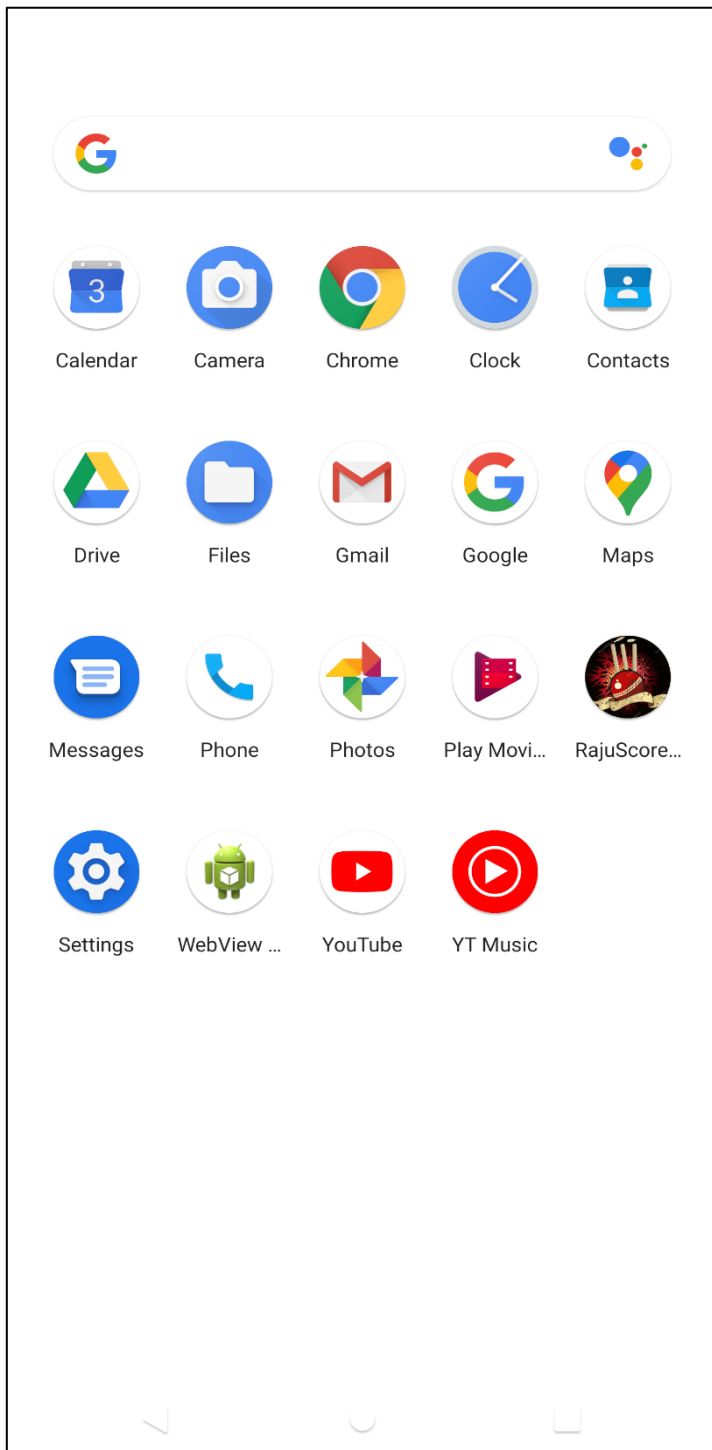


Name : Rajkumar B L  
Reg.No : 2047120  
Course : MCS 272 Mobile Application  
(Lab 16 – Raju Score Board)

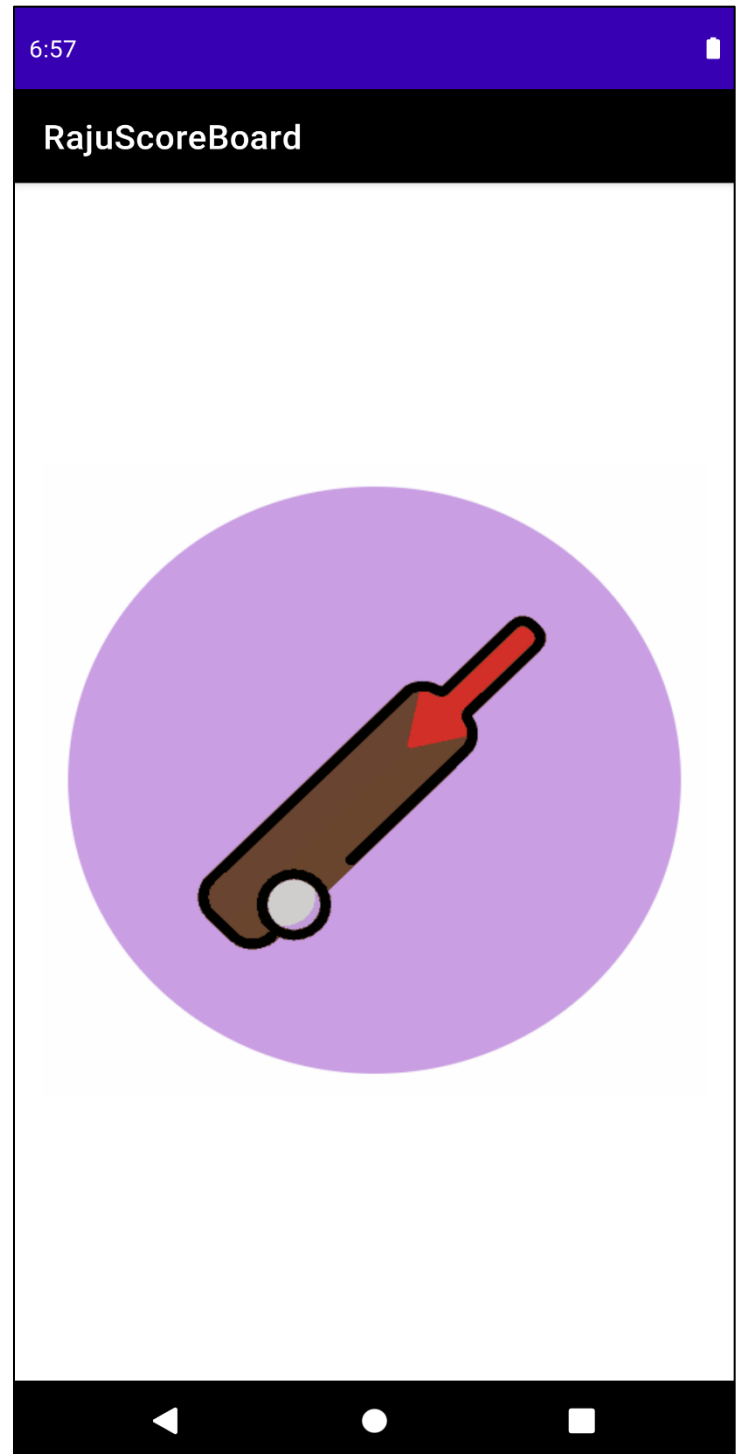


## Output:

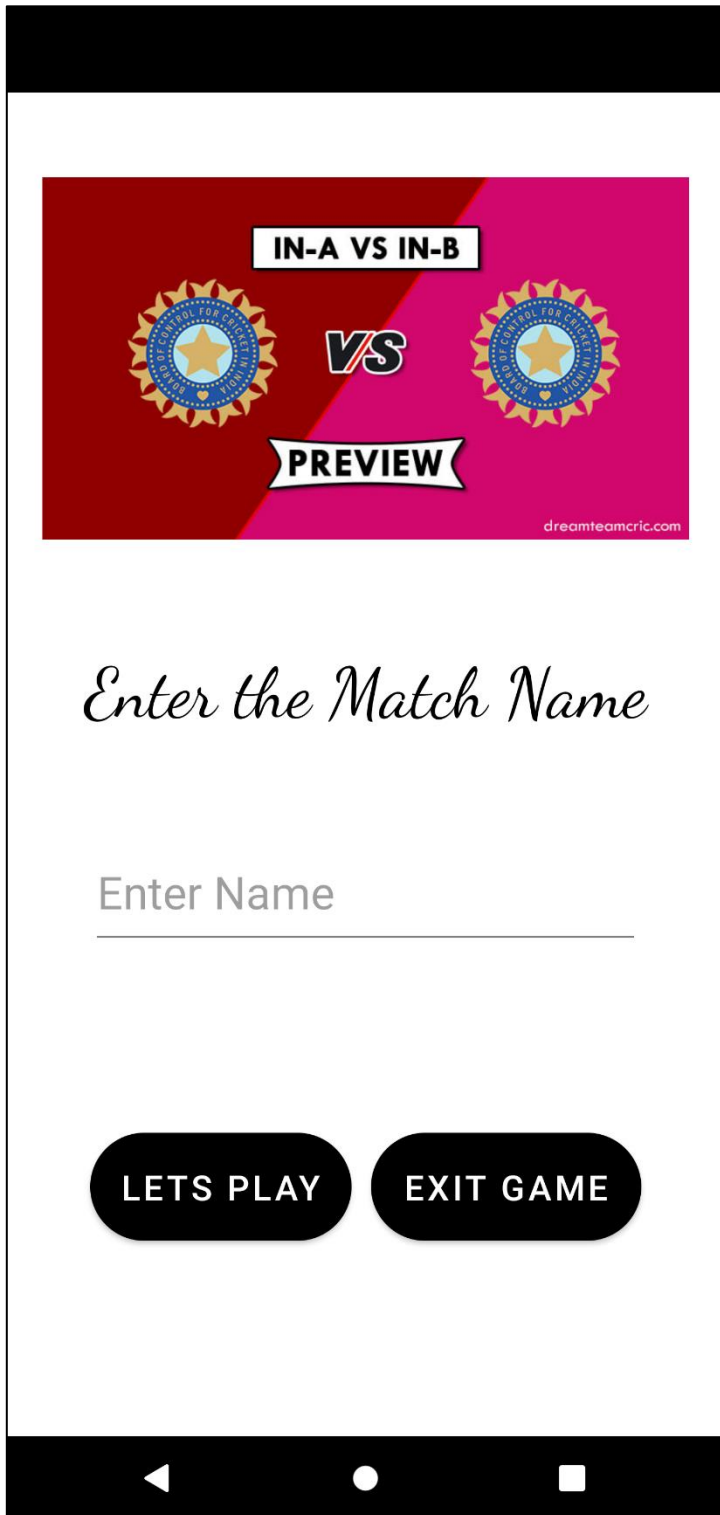
### 1. App Icon



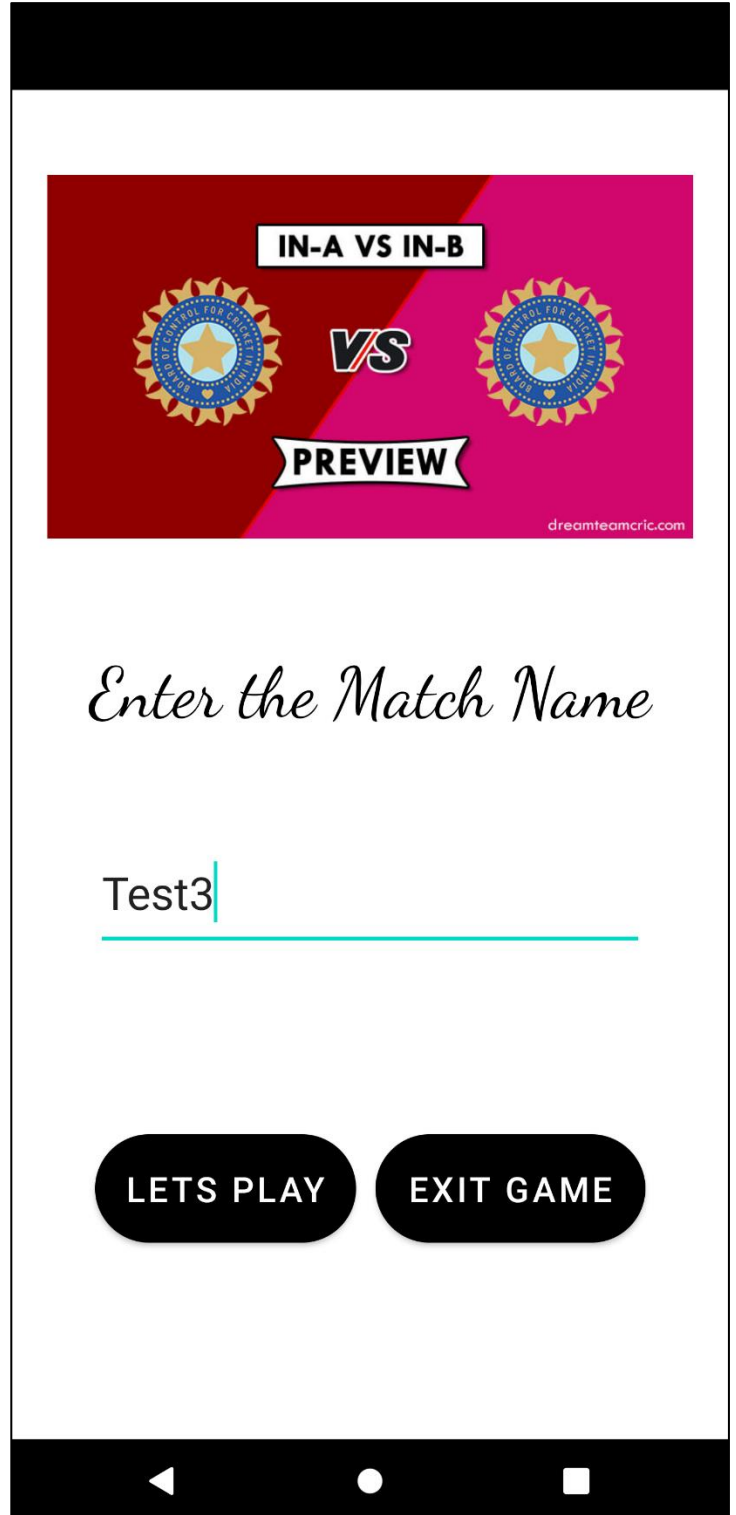
### 2. Splash Screen



### 3. Welcome Screen



### 4. Enter the match name



Clicking on **Letsplay** option in the above screen will create the appropriate new match entry in the **matches** table of **rsb** database.

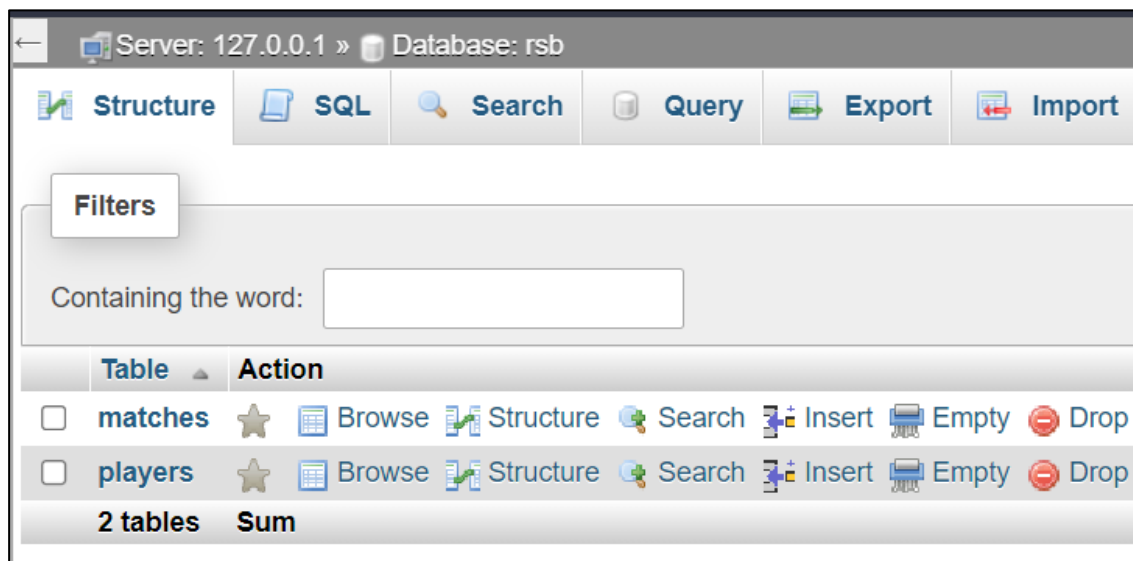
## Database connection code:-

```
public class ConnectionClass {  
    String classs = "com.mysql.jdbc.Driver";  
    String url = "jdbc:mysql://192.168.0.101/rsb";  
    String un = "vroom";  
    String password = "Binod8321!";  
}
```

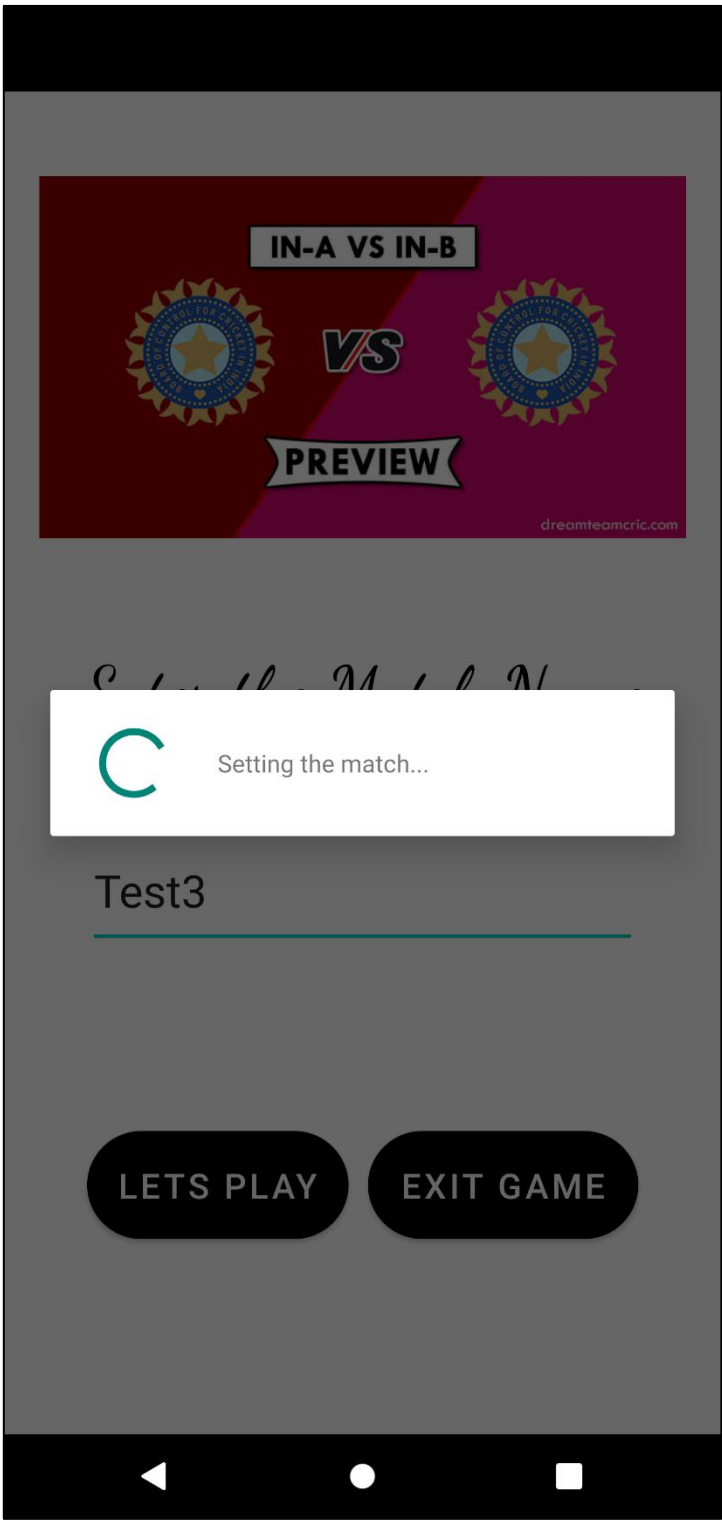
## Insert entry into database:-

```
String mtches="select *from matches";  
ResultSet rsmatch=null;  
Statement stmtmtch = con.createStatement();  
rsmatch = stmtmtch.executeQuery(mtches);  
while(rsmatch.next()) {  
    String name = rsmatch.getString( columnLabel: "Name");  
    if(name.equals(match.getText().toString()))  
    {  
        String scrupd = "DELETE FROM matches WHERE Name=?";  
        PreparedStatement pstmt = (PreparedStatement) con.prepareStatement(scrupd);  
        pstmt.setString( parameterIndex: 1, name);  
        int i = pstmt.executeUpdate();  
    }  
}
```

## Database:-



5. Fetching details from database



6. Setup match “Test3”

+ Options	
Name	Score
test2	15
test1	0
Test3	0

7. Fetch Player Details

← Server: 127.0.0.1 » Database: rsb » Table: players	
Browse	Structure SQL Search
<input checked="" type="checkbox"/> Show all	Number of rows: All Filter rows:
+ Options	
Name	Available
Rohit Sharma	1
Submhan Gill	0
Virat Kholi	1
Krunal Pandya	1
Hardik Pandya	1
Suryakumar	1
KL Rahul	1
Siraj	1
Ashwin	1
Natarajan	1

## 8. Player List - 01



## 9. Player List - 02



```
String query="select *from players where Available='"+avail+"'";
ResultSet rs=null;
Statement stmt = con.createStatement();
rs = stmt.executeQuery(query);
while(rs.next()) {
    String name = rs.getString( columnLabel: "Name");|
    DB_Support.addplayers(name);
}
z = "Match Setup successfull";
isSuccess=true;
```

## 10. Player 1 Score Board - 01



## 11. Player 1 Score Board - 02



Clicking on **Hitme** option will randomly generate a score from (wicket,run1,run2,run3,run4,run6) and appropriate action like updating team score, updating player score and updating match score in the database will be triggered.

## Update score in the database code:-

```
String scrupd = "update matches set Score=? where Name=?";
PreparedStatement pstmt = (PreparedStatement) con.prepareStatement(scrupd);
pstmt.setInt( parameterIndex: 1, score);
pstmt.setString( parameterIndex: 2, DB_Support.getMtchName());
int i = pstmt.executeUpdate();
```

## 12. Player 1 Score Board - 03



## 13. Score Reflection in the table:-

+ Options

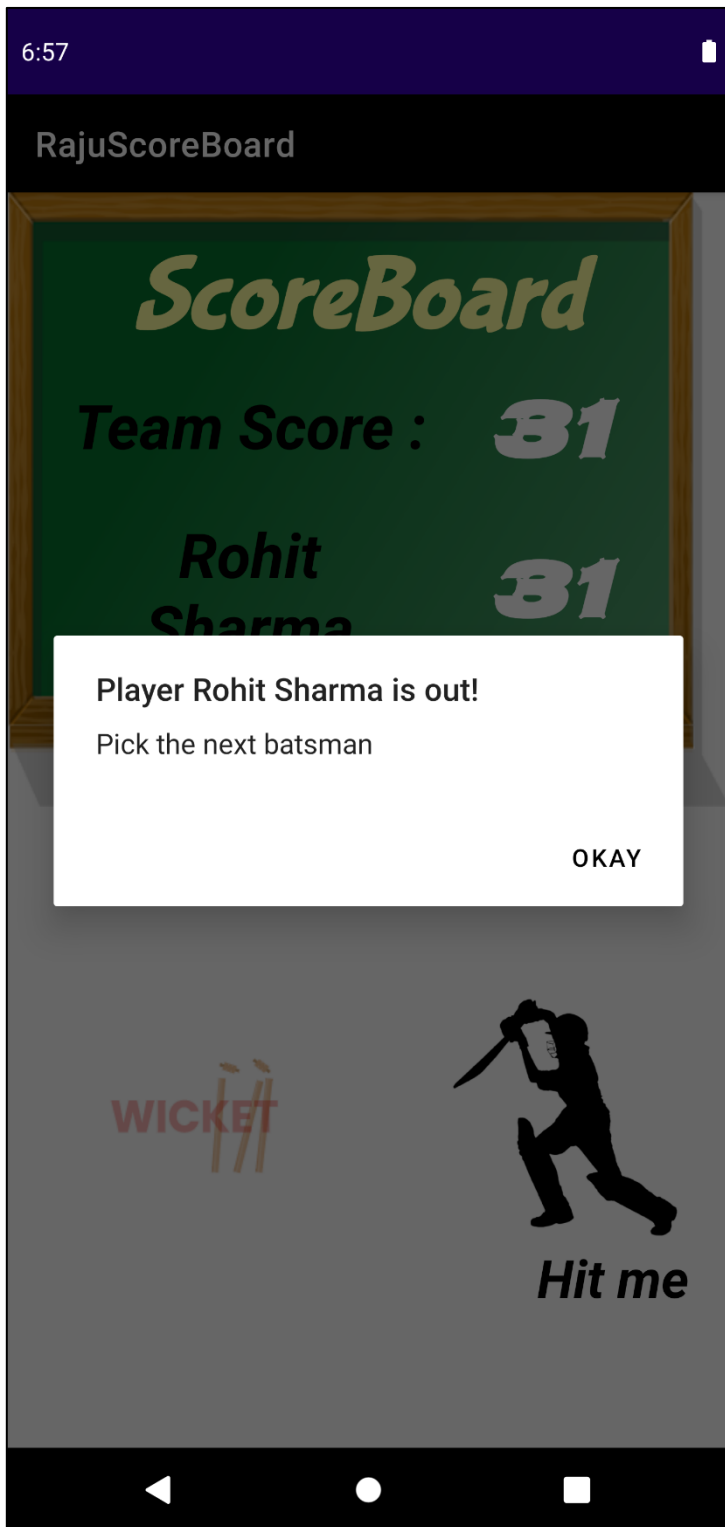
Name	Score
test2	15
test1	0
Test3	4



+ Options

Name	Score
test2	15
test1	0
Test3	5

#### 14. Player 1 Score Board - 04



#### 15. Choosing next batsman



Clicking on **Okay** option will take back to the updated player list where the user can select the next batsman.



16. Player 2 Score Board - 01



17. Player 2 Score Board - 02

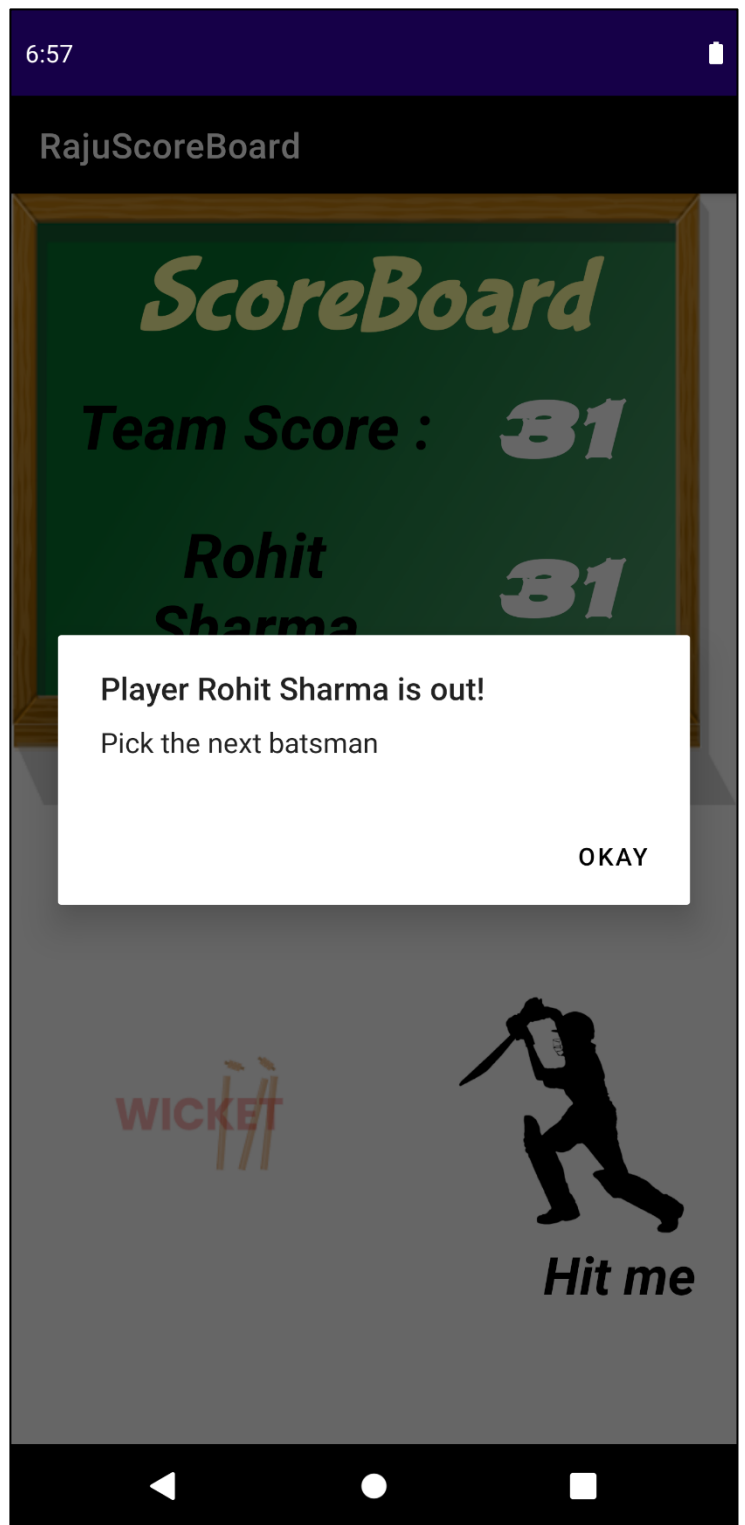


Here the team score is carried from the previous batsman and new score is set for the new batsman and updated accordingly.

### 18. Player 2 Score Board - 03



### 19. Player 2 Score Board - 04

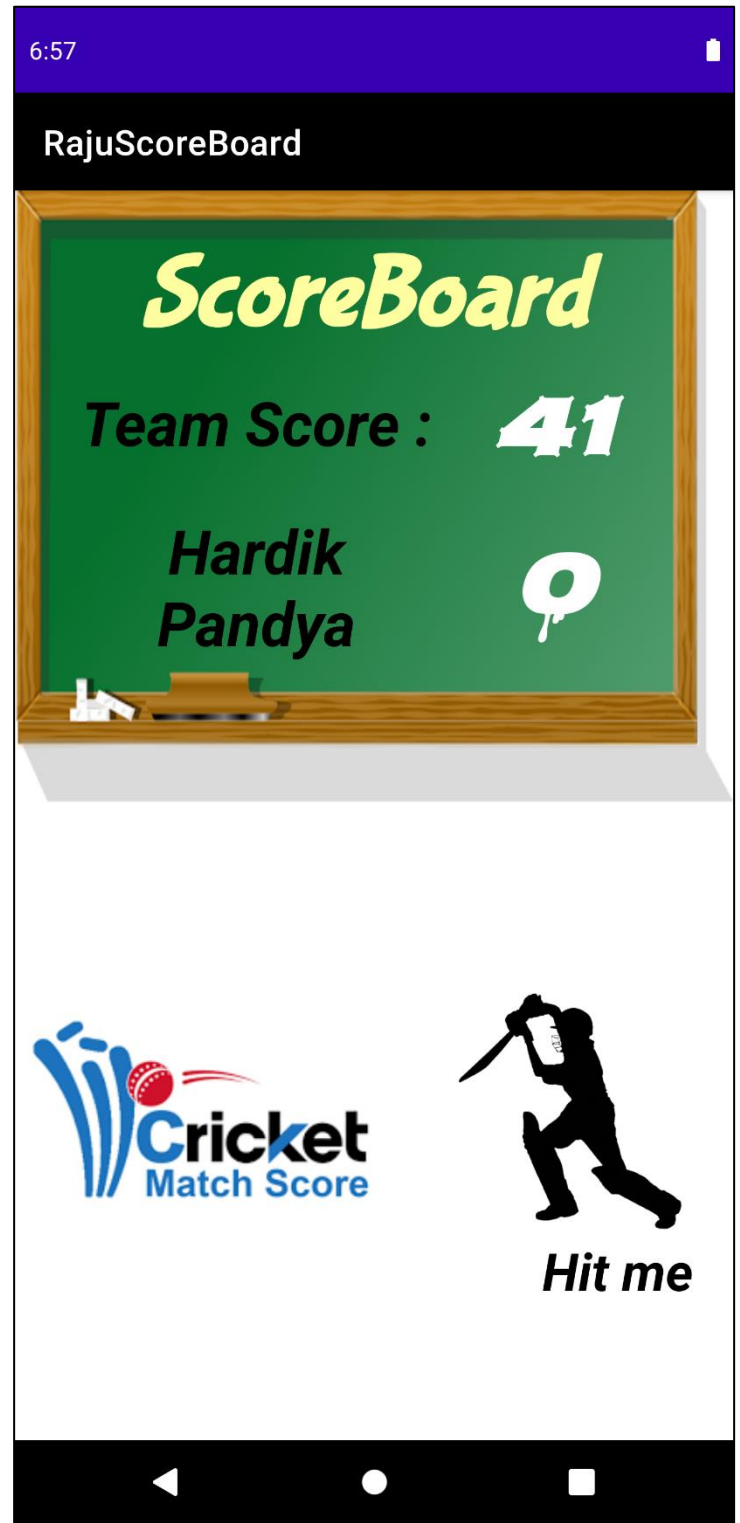


Clicking on **Okay** option will take back to the updated player list where the user can select the next batsman and this procedure follows until all players get out.

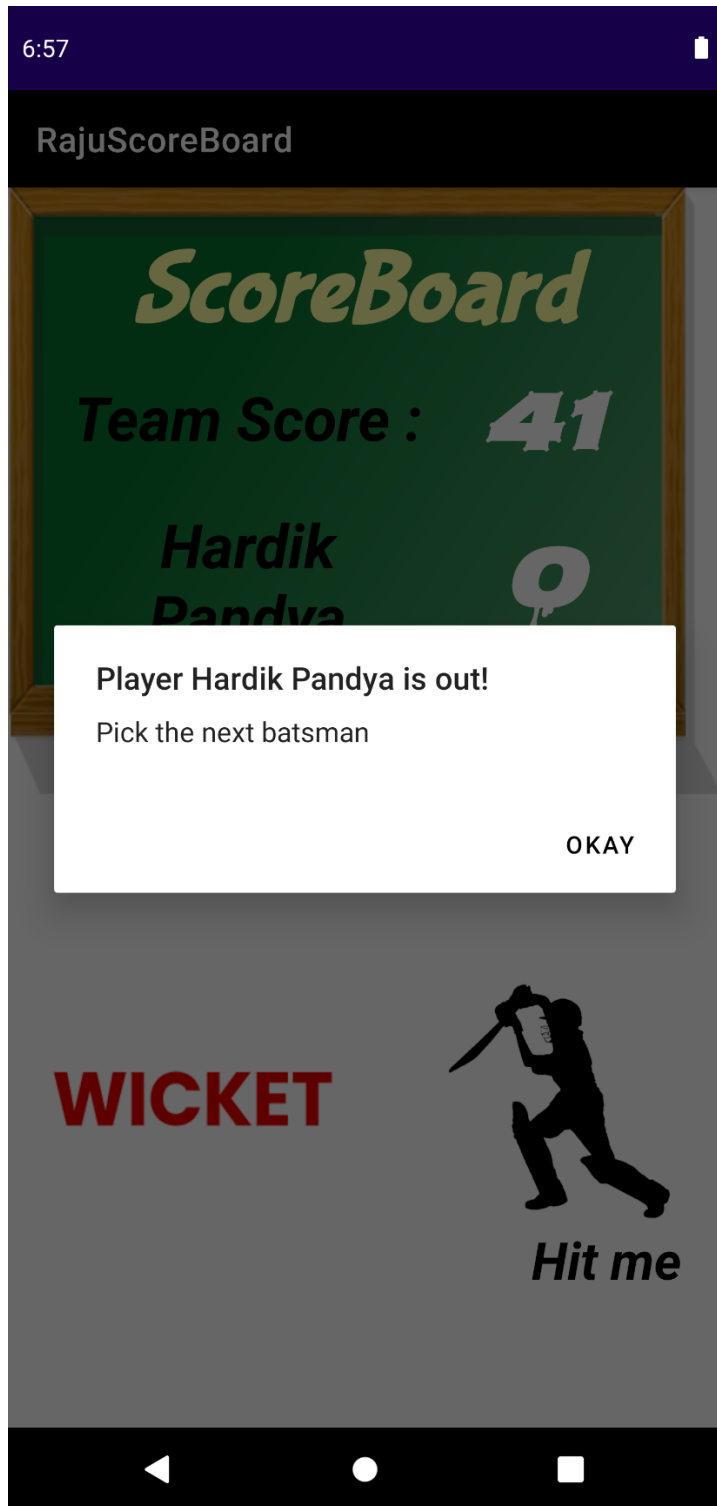
## 20. Selecting n-th batsman



## 21. Player n Score Board - 01



## 22. Player n Score Board - 02



## 23. Exit after all players are out

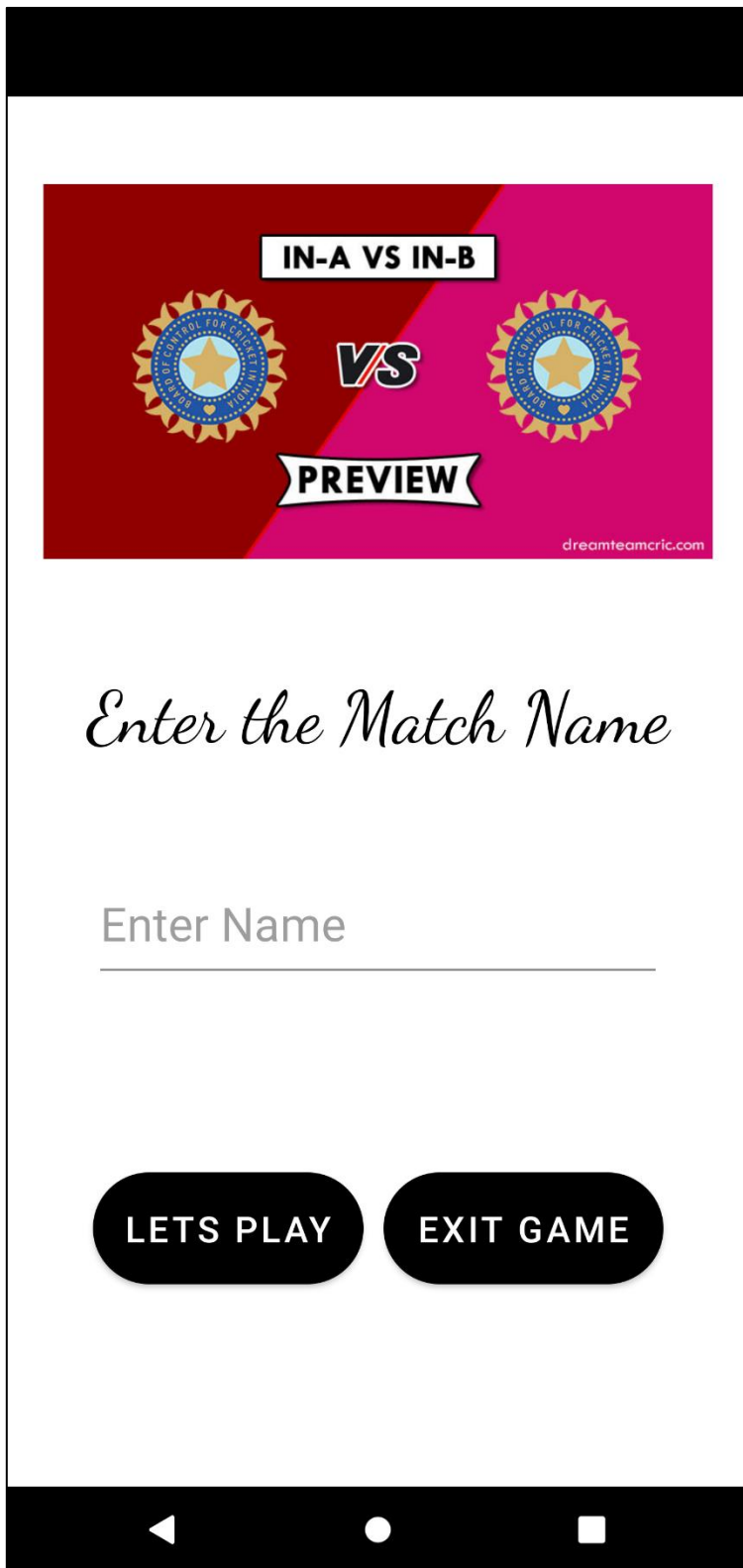


+ Options

Name	Score
test2	15
test1	0
Test3	41

The pic to the left shows the updation of match score after player n ending his batting. Exit from the player list activity after all players have been outed and also exit from the game.

24. Exit the game or start a new match



All necessary coding and video documents needed for this lab has been attached below for reference.