Logical design

Entities

Player, Sport, Equipment, Fee

Attribute

Player:

player\_ID (primary key), Player\_phoneN0, Player\_Name, Player\_gender, sport\_ID, DOB.

Sport:

Sport\_ID (primary key), sport\_name, number\_of\_player.

Equipment:

Equipment\_ID (primary key), EquipmentName, Quantity.

Fee

Fee\_ID (primary key), Pay Date, Amount, transaction\_code, purpose.

Relationship:

A player can be link to sport (play)

A player can use equipment (use)

Equipment can be link to fee

Physical design

players

CREATE TABLE Player(player\_ID int PRIMARY KEY,Player\_phoneN0 int,Player\_Name varchar(50) not null,Player\_gender varchar(50) not null,sport\_ID int,DOB int);

insert into Player(player\_ID,player\_phoneN0,player\_name,player\_gender,sport\_ID,DOB)

VALUES

(1,0754987657,'harina','female',100,2005),

(2,0754989657,'peace','male',101,2004),

(3,0772377657,'johnson','male',102,2003),

(4,0754987657,'britney','female',103,2006),

(5,0750387657,'mirrah','female',104,2005);

Sports

CREATE TABLE Sport(Sport\_ID INT primary key, Sport\_Name varchar(100), Number\_of\_player);

INSERT INTO Sport(Sport\_ID,Sport\_Name,Number\_of\_player)

VALUES

(1, 'volleyball',101),

(2, 'football', 102),

(3, 'netball', 103),

(4, 'basketball', 104),

(5, 'athletics', 105);

Equipment

CREATE TABLE Equipment(Equipment\_ID INT primary key, Equipment\_Name varchar(50), Quantity);

INSERT INTO Equipment (Equipment \_ID, Equipment \_Name,quantity);

VALUES

(1, 'volleyball',20),

(2, 'football', 15),

(3, 'netball', 25),

(4, 'basketball', 10),

(5, 'athletics', 50);

Fee

CREATE TABLE Fee(Fee\_ID INT primary key,Payment\_Date INT,Purpose Varchar(100) not null, Transaction\_code int,Amount varchar(50) not null);

INSERT INTO Fee(Fee\_ID,Payment\_Date,Purpose,Transaction\_code,Amount)

VALUES

(1,21,'coachingfee',201,2500),

(2,30,'coachingfee',201,2500),

(3,27,'coachingfee',201,3500),

(4,21,'coachingfee',201,5500),

(5,22,'coachingfee',201,7500);