**Discussion:**

In our project, we tried to focus on the efficiency of the form submission. For example, the *“players”-* form is constructed is such a way that it is connected with four separate tables. The user have to fill-up only *“players”* form, and the data of the form will be INSERTED into four separate tables. It is done by the concept of weak entity. The player is registered to individual clubs with their pid, and cid. We provide the user a freedom to assign new users for this system. Only the Admin can register a new user for the system. We also made a search function for the user to search the description of the player using their name.

**SQL Query List:**

CREATE TABLE users(

id int NOT NULL AUTO\_INCREMENT,

username varchar(20),

email varchar(20),

password varchar(20),

PRIMARY KEY (id))

CREATE TABLE players(

pid int NOT NULL AUTO\_INCREMENT,

fname varchar(20),

mname varchar(20),

lname varchar(20),

father\_name varchar(40),

mother\_name varchar(40),

present\_address varchar(200),

permanent\_address varchar(200),

date\_of\_birth date,

membership varchar(10),

submission\_date date,

PRIMARY KEY (pid))

CREATE TABLE previous\_history(

pid int NOT NULL AUTO\_INCREMENT,

cname varchar(20),

pc\_from date,

pc\_to date,

total\_runs int,

total\_wickets int,

team\_leader varchar(10),

PRIMARY KEY (cname,pid),

FOREIGN KEY (pid) REFERENCES players(pid)

ON DELETE CASCADE

);

CREATE TABLE best\_performance(

pid int NOT NULL AUTO\_INCREMENT,

cname varchar(20),

oppo\_cname varchar(20),

eid int,

mid int,

runs int,

wicket int,

PRIMARY KEY (pid,cname),

FOREIGN KEY (pid) REFERENCES players(pid)

ON DELETE CASCADE);

CREATE TABLE degree(

pid int NOT NULL AUTO\_INCREMENT,

dname varchar(20),

institution varchar(20),

board varchar(20),

year varchar(10),

result varchar(30),

PRIMARY KEY (pid,dname),

FOREIGN KEY (pid) REFERENCES players(pid)

ON DELETE CASCADE)

CREATE TABLE match\_performance(

mid int NOT NULL AUTO\_INCREMENT,

vid int,

date\_of\_match date,

player1 varchar(100),

player2 varchar(100),

player3 varchar(100),

player4 varchar(100),

player5 varchar(100),

player6 varchar(100),

player7 varchar(100),

player8 varchar(100),

player9 varchar(100),

player10 varchar(100),

player11 varchar(100),

player12 varchar(100),

player13 varchar(100),

player14 varchar(100),

player15 varchar(100),

player16 varchar(100),

PRIMARY KEY (mid));

CREATE TABLE club\_registration(

cid int NOT NULL AUTO\_INCREMENT,

cname varchar(20),

ce\_date date,

st\_date date,

en\_date date,

address varchar(200),

president\_name varchar(20),

PRIMARY KEY (cid)

);

CREATE TABLE contract\_form(

payid int NOT NULL AUTO\_INCREMENT,

cid int,

cname varchar(20),

fname varchar(20),

mname varchar(20),

lname varchar(20),

pid int,

aut\_fname varchar(20),

aut\_mname varchar(20),

aut\_lname varchar(20),

designation varchar(30),

c\_start\_date date,

c\_end\_date date,

amount real,

pay\_serial int,

pay\_due date,

pay\_actual date,

pay\_amount real,

PRIMARY KEY(payid)

);

CREATE TABLE event\_form(

eid int NOT NULL AUTO\_INCREMENT,

location varchar(200),

start\_date date,

end\_date date,

vname varchar(20),

seat\_capacity int,

match\_date date,

mid int,

mdate date,

team\_bat varchar(20),

team\_bowl varchar(20),

PRIMARY KEY (eid));

CREATE TABLE team\_formation(

tid int NOT NULL AUTO\_INCREMENT,

date\_of\_formation date,

team\_leader varchar(20),

player1 varchar(20),

player2 varchar(20),

player3 varchar(20),

player4 varchar(20),

player5 varchar(20),

player6 varchar(20),

player7 varchar(20),

player8 varchar(20),

player9 varchar(20),

player10 varchar(20),

player11 varchar(20),

player12 varchar(20),

player13 varchar(20),

player14 varchar(20),

player15 varchar(20),

PRIMARY KEY (tid));