Database Diagram

mlbTeams		
PK	<u>teamID</u>	<u>(number(30))</u>
	teamName	(varchar2, 50)
	conference	(varchar2, 2)
	division	(varchar2, 5)
	city	(varchar2, 50)
	state	(varchar2, 50)
	stadiumName	(varchar2, 50)
	yrBuilt	(number(4))

Class Diagram

MLB Teams
-teamID: int -teamName: String -conference: String -division: String -city: String -state: String -stadiumName: String -yrBuilt: int
+MLBTeams(): void +MLBTeams(int, String, String, String, String, String, String, int): void +getTeamID(): void +setTeamID(): void +getTeamName(): void +setTeamName(): void +getConference(): void +setConference(): void +getDivision(): void +setDivision(): void +getCity(): void +setCity(): void +getState(): void +setState(): void +getStadiumName(): void +setStadiumName(): void +getYearBuilt(): void +setYearBuilt(): void +ToString(): String

index.jsp

MLB Team DB

View All Teams

read.jsp

MLB Team DB

Name	Conference	Division	City	State	Stadium Name	Year Built	
Xxx	Xxx	Xxx	Xxx	Xxx	Xxx	Xxx	Update Delete
Yyy	Yyy	Yyy	Yyy	Yyy	Yyy	Yyy	Update Delete

Add A New Friend

Delete team database and return to read.jsp

add.jsp

Add a New Team

Name:

Conference:

Division:

City:

State:

Stadium Name:

Year Built:

Clear   Add

update.jsp

Update A Friend

Name:

Conference:

Division:

City:

State:

Stadium Name:

Year Built:

Clear   Update

Oracle Database

MLB Teams

-teamID:	int
-teamName:	String
-conference:	String
-division:	String
-city:	String
-state:	String
-stadiumName:	String
-yrBuilt:	int

dbConn.properties

Driver.name = Xxx
server.name = Yyy
user.name = Zzz
user.password = ***

ojdbc6.jar driver

ReadQueryClass

Create db connection
Create PreparedStatement
Set up PreparedStatement with query
Send query to db
Process query results into table

Set up ReadQuery object

Receive table created in ReadQuery

Called from:
index.jsp
AddServlet
UpdateServlet
DeleteServlet

ReadServlet

Server Side

Client Side

index.jsp

(View All Friends)

MLB Team DB

Name	Conference	Division	City	State	Stadium Name	Year Built	
Xxx	Xxx	Xxx	Xxx	Xxx	Xxx	Xxx	Update Delete
Yyy	Yyy	Yyy	Yyy	Yyy	Yyy	Yyy	Update Delete

Add A New Friend