1. PlayerAssociation

CREATE TABLE `MileStone`.`PlayerAssociation` (

`name` VARCHAR(100) NOT NULL,

`foundationDate` DATETIME NULL,

PRIMARY KEY (`name`));

A screenshot of a computer

Description automatically generated with medium confidence

1. Referee

CREATE TABLE `MileStone`.`Refree` (

`idNumber` INT NOT NULL,

`name` VARCHAR(45) NOT NULL,

`firstName` VARCHAR(45) NULL,

`midInitial` VARCHAR(45) NULL,

`lastName` VARCHAR(45) NULL,

PRIMARY KEY (`idNumber`, `name`),

INDEX `\_idx` (`name` ASC) VISIBLE,

CONSTRAINT `name\_fk`

FOREIGN KEY (`name`)

REFERENCES `MileStone`.`PlayerAssociation` (`name`)

ON DELETE CASCADE

ON UPDATE CASCADE);

A screenshot of a computer

Description automatically generated with medium confidence

1. Stadium

CREATE TABLE `MileStone`.`Stadium` (

`StadiumID` INT NOT NULL,

`Location` VARCHAR(45) NULL,

`capacity` INT NULL,

PRIMARY KEY (`StadiumID`));

ALTER TABLE `MileStone`.`Stadium`

ADD COLUMN `Name` VARCHAR(45) NULL AFTER `StadiumID`;

A screenshot of a computer

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1. ticketBooth

CREATE TABLE TicketBooth (

StadiumID int not null,

BoothID int not null,

TicketPrice double,

TypesOfTickets varchar(20),

NumberOfTicket int,

primary key (StadiumID, BoothID),

foreign key (StadiumID) references Stadium(StadiumID)

on delete cascade

on update cascade

)

ALTER TABLE `MileStone`.`TicketBooth`

ADD COLUMN `SeatNumber` INT NOT NULL AFTER `NumberOfTicket`;

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '1' WHERE (`StadiumID` = '1') and (`BoothID` = '1');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '2' WHERE (`StadiumID` = '1') and (`BoothID` = '2');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '3' WHERE (`StadiumID` = '1') and (`BoothID` = '3');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '4' WHERE (`StadiumID` = '1') and (`BoothID` = '4');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '1' WHERE (`StadiumID` = '2') and (`BoothID` = '1');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '2' WHERE (`StadiumID` = '2') and (`BoothID` = '2');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '3' WHERE (`StadiumID` = '2') and (`BoothID` = '3');

UPDATE `MileStone`.`TicketBooth` SET `SeatNumber` = '4' WHERE (`StadiumID` = '2') and (`BoothID` = '4');

A picture containing graphical user interface

Description automatically generated

1. plans == this is not entity

CREATE TABLE Plans (

Name Varchar(100) not null,

GameNo int not null,

primary key (Name, GameNo),

foreign key (Name) references PlayerAssociation(Name),

foreign key (GameNo) references gameSchedule(GameNo)

on delete cascade

on update cascade

)

1. gameSchedule

CREATE TABLE GameSchedule(

Name Varchar(100) not null,

GameNo int not null,

StadiumID int,

date date,

TeamMatching varchar (100),

primary key (Name, GameNo),

foreign key (Name) references PlayerAssociation(Name),

foreign key (StadiumID) references Stadium(StadiumID)

on delete cascade

on update cascade

)

Graphical user interface

Description automatically generated

1. spectator

CREATE TABLE `MileStone`.`Spectator` (

`SeatNumber` INT NOT NULL,

`StadiumID` INT NOT NULL,

`CheeringTeam` VARCHAR(45) NULL,

PRIMARY KEY (`SeatNumber`, `StadiumID`),

INDEX `StadiumID\_fk\_idx` (`StadiumID` ASC) VISIBLE,

CONSTRAINT `StadiumID\_fk`

FOREIGN KEY (`StadiumID`)

REFERENCES `MileStone`.`Stadium` (`StadiumID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `SeatNumber\_fk`

FOREIGN KEY (`SeatNumber`)

REFERENCES `MileStone`.`TicketBooth` (`StadiumID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

A screenshot of a computer

Description automatically generated with medium confidence

insert into Spectator values ('1', 2, 'PIT');

insert into Spectator values ('4', 6, 'LAD');

Sample data

6.

insert into GameSchedule values ('MLB', 2, 1, '2022-11-30', 'HOU vs PIT');

insert into GameSchedule values ('MLB', 3, 4, '2022-11-30', 'SD vs NYM');

insert into GameSchedule values ('MLB', 4, 2, '2022-12-1', 'LAD vs SF');

insert into GameSchedule values ('MLB', 5, 6, '2022-12-3', 'MIL vs ARI');

insert into GameSchedule values ('MLB', 6, 7, '2022-12-5', 'WSH vs LAA');

insert into GameSchedule values ('MLB', 7, 5, '2022-12-5', 'CIN vs ATL');

insert into GameSchedule values ('MLB', 8, 9, '2022-12-5', 'BOS vs TB');

insert into GameSchedule values ('MLB', 9, 7, '2022-12-5', 'KC vs TEX');