CREATE TABLE Account (

AccountID int NOT NULL AUTO\_INCREMENT,

Firstname varchar (50) NOT NULL,

Lastname varchar (100) NOT NULL,

Email varchar (255) NOT NULL,

Telephone varchar (20),

Streetname varchar (50) NOT NULL,

housenumber varchar (10) NOT NULL,

Zipcode varchar (20) NOT NULL,

City varchar (50) NOT NULL,

Password varchar (255) NOT NULL,

Keyword varchar (10) NOT NULL,

CardID varchar (20) NOT NULL,

PRIMARY KEY (AccountID)

);

CREATE TABLE Worker (

WorkerID int NOT NULL AUTO\_INCREMENT,

AccountID int NOT NULL,

PositionID int NOT NULL,

Workerlevel int NOT NULL,

BankAccount varchar (100),

Citizenservicenumber varchar (50),

salary decimal (10,2),

PRIMARY KEY (WorkerID)

);

CREATE TABLE Position (

PositionID int NOT NULL AUTO\_INCREMENT,

PositionName varchar (80) NOT NULL,

Startingsalary decimal (10,2),

PRIMARY KEY (PositionID)

);

CREATE TABLE Level (

LevelID int NOT NULL AUTO\_INCREMENT,

Levelname varchar (50) NOT NULL,

PRIMARY KEY (LevelID)

);

CREATE TABLE Openinghours (

ID int NOT NULL AUTO\_INCREMENT,

OpeningDate Date NOT NULL,

Openingtime date NOT NULL,

Closingtime date NOT NULL,

PRIMARY KEY (ID)

);

CREATE TABLE Reservation (

ReservationID int NOT NULL AUTO\_INCREMENT,

itemID int NOT NULL,

CardID varchar (20) NOT NULL,

StartDate Date NOT NULL,

Enddate Date NOT NULL,

Extended int (1),

PRIMARY KEY (ReservationID)

);

CREATE TABLE item (

ItemID int NOT NULL AUTO\_INCREMENT,

Name varchar (255) NOT NULL,

ISBN varchar (30) NOT NULL,

Language varchar (255),

Description TEXT NOT NULL,

cost decimal,

PRIMARY KEY (itemID)

);

CREATE TABLE BookInfo (

BookID int NOT NULL AUTO\_INCREMENT,

ItemID int NOT NULL,

Pages int NOT NULL,

Author varchar (50) NOT NULL,

Publisher varchar (100) NOT NULL,

PRIMARY KEY (BookID)

);

CREATE TABLE MovieInfo (

MovieID int NOT NULL AUTO\_INCREMENT,

ItemID int NOT NULL,

SubtitleLanguage varchar (255),

Producer varchar (255) NOT NULL,

timeInMin int NOT NULL,

Demographic varchar (3),

PRIMARY KEY (MovieID)

);

CREATE TABLE Genre (

ItemID int NOT NULL,

GenreTypeID int NOT NULL

);

CREATE TABLE GenreType (

GenreTypeID int NOT NULL AUTO\_INCREMENT,

GenreName varchar (50) NOT NULL,

PRIMARY KEY (GenreTypeID)

);

CREATE TABLE Events (

EventID int NOT NULL AUTO\_INCREMENT,

EventTypeID int NOT NULL,

EventName varchar (255) NOT NULL,

EventDate Date,

EventCost decimal,

EventOpeningtime varchar (6) NOT NULL,

EventClosingtime varchar (6) NOT NULL,

EventDescription TEXT NOT NULL,

PRIMARY KEY (EventID)

);

CREATE TABLE Eventtype (

EventTypeID int NOT NULL AUTO\_INCREMENT,

Name varchar (50) NOT NULL,

PRIMARY KEY (EventTypeID)

);

CREATE TABLE Recommendation (

RecID int NOT NULL AUTO\_INCREMENT,

AccountID int NOT NULL,

Title varchar (255) NOT NULL,

PRIMARY KEY (RecID)

);

CREATE TABLE Signup (

AccountID int NOT NULL,

EventID int NOT NULL,

SignupDate Date NOT NULL

);

CREATE TABLE Apply (

ApplyID int NOT NULL AUTO\_INCREMENT,

AccountID int NOT NULL,

PositionID int NOT NULL,

Date Date NOT NULL,

Available boolean NOT NULL,

PRIMARY KEY (ApplyID)

);

CREATE TABLE Schedule (

ScheduleID int NOT NULL AUTO\_INCREMENT,

AvailableID int NOT NULL,

Date Date NOT NULL,

beginninghour varchar (6) NOT NULL,

Endhour varchar (6) NOT NULL,

PRIMARY KEY (SheduleID)

);

CREATE TABLE Available (

AvailableID int NOT NULL AUTO\_INCREMENT,

WorkerID int NOT NULL,

Date Date NOT NULL,

Available Boolean NOT NULL,

PRIMARY KEY (AvailableID)

);

/\* all tables

Account | Worker | Available | Schedule | Apply | Signup | Recommendation | Eventtype | Events |

GenreType | Genre | MovieInfo | BookInfo | item | Reservation | Openinghours | Level | Position |

\*/

ALTER TABLE Worker

ADD FOREIGN KEY (AccountID) REFERENCES Account (AccountID),

ADD FOREIGN KEY (PositionID) REFERENCES Position (PositionID),

ADD FOREIGN KEY (Workerlevel) REFERENCES level (LevelID);

ALTER TABLE Available

ADD FOREIGN KEY (WorekerID) REFERENCES worker(workerID);

ALTER TABLE Schedule

ADD FOREIGN KEY (AvailableID) REFERENCES Available (AvailableID);

ALTER TABLE Apply

ADD FOREIGN KEY (accountID) REFERENCES account(accountID),

ADD FOREIGN KEY (PositionID) REFERENCES position(positionID);

ALTER TABLE Signup

ADD FOREIGN KEY (accountID) REFERENCES account(accountID),

ADD FOREIGN KEY (eventID) REFERENCES events (EventID);

ALTER TABLE Recommendation

ADD FOREIGN KEY (AccountID) REFERENCES account(accountID);

ALTER TABLE Events

ADD FOREIGN KEY (EventTypeID) REFERENCES Eventtype (EventTypeID);

ALTER TABLE Genre

ADD FOREIGN KEY (itemID) REFERENCES item(itemID),

ADD FOREIGN KEY (GenreTypeID) REFERENCES GenreType (GenreTypeID);

ALTER TABLE MovieInfo

ADD FOREIGN KEY (itemID) REFERENCES item(itemID);

ALTER TABLE BookInfo

ADD FOREIGN KEY (itemID) REFERENCES item (ItemID);

ALTER TABLE Reservation

ADD FOREIGN KEY (itemID) REFERENCES item (ItemID),

ADD FOREIGN KEY (CardID) REFERENCES Account (CardID);