建立用户表：

create table users(

account varchar(30) primary key,

passwd varchar(30) not null,

id varchar(10) check (id in ('管理员','读者'))

)

建立读者表：

create table readers(

borrowid varchar(30) primary key,

rname varchar(30) not null,

sex varchar(2) check (sex in ('男','女')),

job varchar(10),

rCurNum int,

rBorrowedNum int,

dept varchar(20),

phone varchar(20),

account varchar(30) foreign key references users(account)

on delete cascade

on update cascade

)

建立图书表：

create table books(

isbn varchar(30) primary key,

bname varchar(30) not null,

pub varchar(30) not null,

author varchar(15) not null,

storeNum int,

bCurNum int,

available char(2) check (available in ('是','否'))

)

增加account的unique约束

alter table readers add constraint UQ\_1 unique(account);

建立借阅关系表：

create table rb(

borrowid varchar(30) references readers(borrowid)

on delete cascade

on update cascade,

isbn varchar(30) references books(isbn)

on delete cascade

on update cascade,

startDate date,

duration int,

returnDate date,

fine int,

primary key(borrowid,isbn)

)

给管理员角色赋予权限：

grant all privileges

on readers

to admin

grant all privileges

on books

to admin

给读者角色赋予权限：

grant insert,delete

on rb

to reader

grant select on books

to reader;

grant update

on books(bCurNum)

to reader