CREATE TABLE category

(  
    category\_id INT NOT NULL AUTO\_INCREMENT,  
    name VARCHAR(255) NOT NULL,  
    PRIMARY KEY (category\_id)  
);

CREATE TABLE news (  
    news\_id INT NOT NULL AUTO\_INCREMENT,  
    title VARCHAR(255) NOT NULL,   
    description VARCHAR (255) NOT NULL,  
    date DATETIME NOT NULL,  
    PRIMARY KEY (news\_id)  
);

CREATE TABLE news\_category

(  
    id INT NOT NULL AUTO\_INCREMENT,   
    news\_id INT NOT NULL,

category\_id INT NOT NULL,

PRIMARY KEY (id),   
    FOREIGN KEY (news\_id) REFERENCES news(news\_id),  
    FOREIGN KEY (category\_id) REFERENCES category(category\_id)   
);

CREATE TABLE item\_category

(  
    id INT NOT NULL AUTO\_INCREMENT,

item\_id INT NOT NULL,

category\_id INT NOT NULL,  
    PRIMARY KEY (id),   
    FOREIGN KEY (item\_id) REFERENCES item(item\_id),  
    FOREIGN KEY (category\_id) REFERENCES category(category\_id)   
);

CREATE TABLE item

(  
    item\_id INT NOT NULL AUTO\_INCREMENT,

picture\_id INT NOT NULL,

author VARCHAR(255) NOT NULL,  
    price INT NOT NULL,   
    description VARCHAR (255) NOT NULL,   
    PRIMARY KEY (item\_id)  
);

CREATE TABLE book

(  
   book\_id INT NOT NULL REFERENCES item(item\_id),

quantity INT NOT NULL,

PRIMARY KEY (book\_id)  
);

CREATE TABLE ebook

(  
   ebook\_id INT NOT NULL REFERENCES item(item\_id),

app VARCHAR(255) NOT NULL,

PRIMARY KEY (ebook\_id)  
);

CREATE TABLE ebook\_app

(  
    id INT NOT NULL AUTO\_INCREMENT,

app\_id INT NOT NULL,

ebook\_id INT NOT NULL,   
    PRIMARY KEY (id),   
    FOREIGN KEY (ebook\_id) REFERENCES ebook(ebook\_id),  
    FOREIGN KEY (app\_id) REFERENCES app(app\_id)   
);

CREATE TABLE app

(  
    app\_id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR (255) NOT NULL

);

CREATE TABLE user

(  
    user\_id INT NOT NULL AUTO\_INCREMENT,  
    login VARCHAR(255) NOT NULL,   
    password VARCHAR (255),  
    address VARCHAR (255) NOT NULL,  
    PRIMARY KEY (user\_id)  
);

CREATE TABLE simp\_user

(  
   simp\_user\_id INT NOT NULL REFERENCES user(user\_id),

start\_date DATETIME NOT NULL,

end\_date DATETIME NOT NULL,

PRIMARY KEY (simp\_user\_id)  
);

CREATE TABLE purchase

(  
    purchase\_id INT NOT NULL AUTO\_INCREMENT,

purchase\_num INT NOT NULL,

purchase\_date DATETIME NOT NULL,

item\_id INT NOT NULL REFERENCES item(item\_id),

user\_id INT NOT NULL REFERENCES user(user\_id),  
    PRIMARY KEY (purchase\_id)  
);

CREATE TABLE borrow

(  
   borrow\_id INT NOT NULL REFERENCES purchase(purchase\_id),

return\_date DATETIME NOT NULL,

PRIMARY KEY (borrow\_id)  
);