



تشریح پروژه پایگاه داده‌ها

سیستم کتابخانه

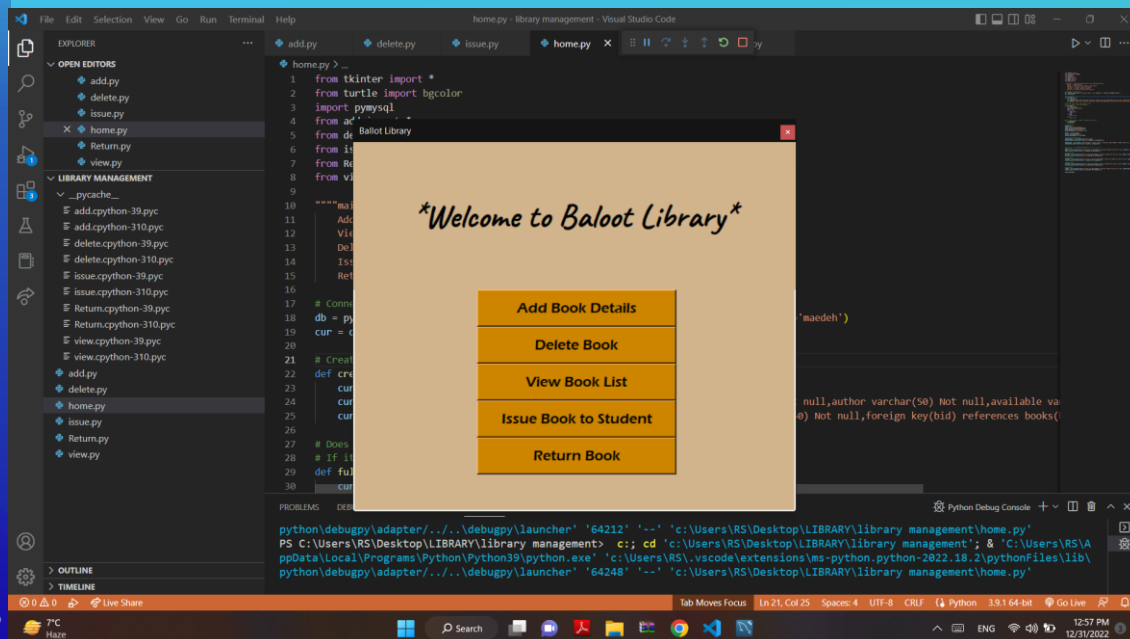
نیمسال اول سال تحصیلی ۱۴۰۱-
۱۴۰۲

استاد درس: جناب دکتر سیددانش
TA درس: جناب آقای قاسم زاده

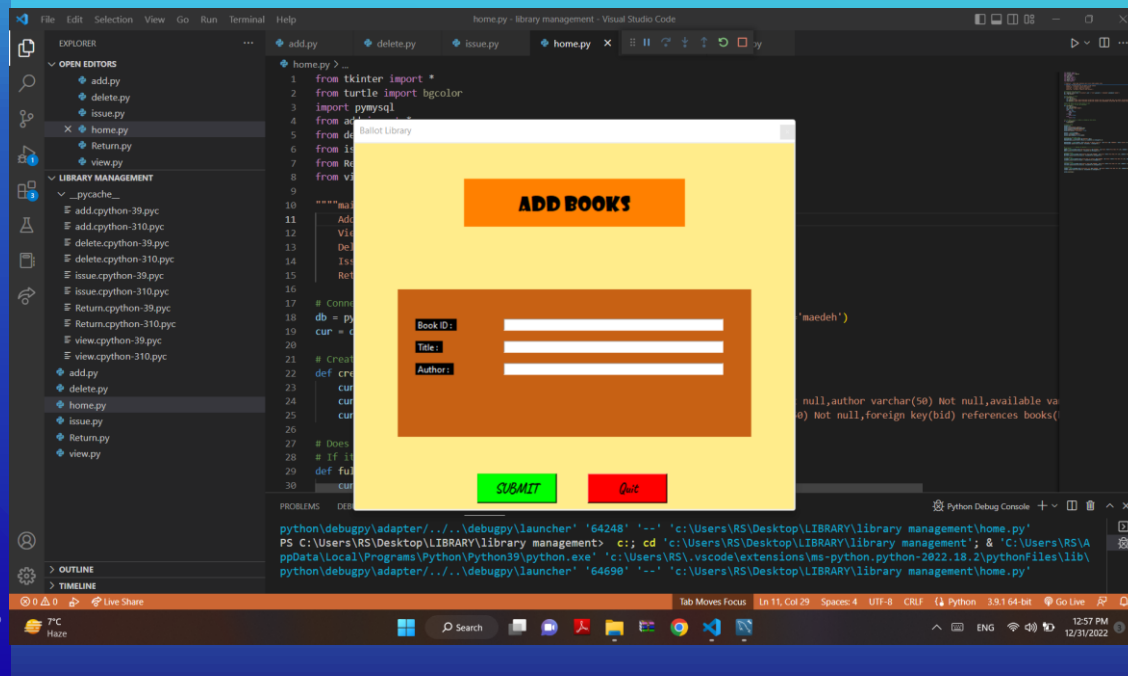
ارائه دهندگان:
مأده نوروزی و فاطمه رحمانی



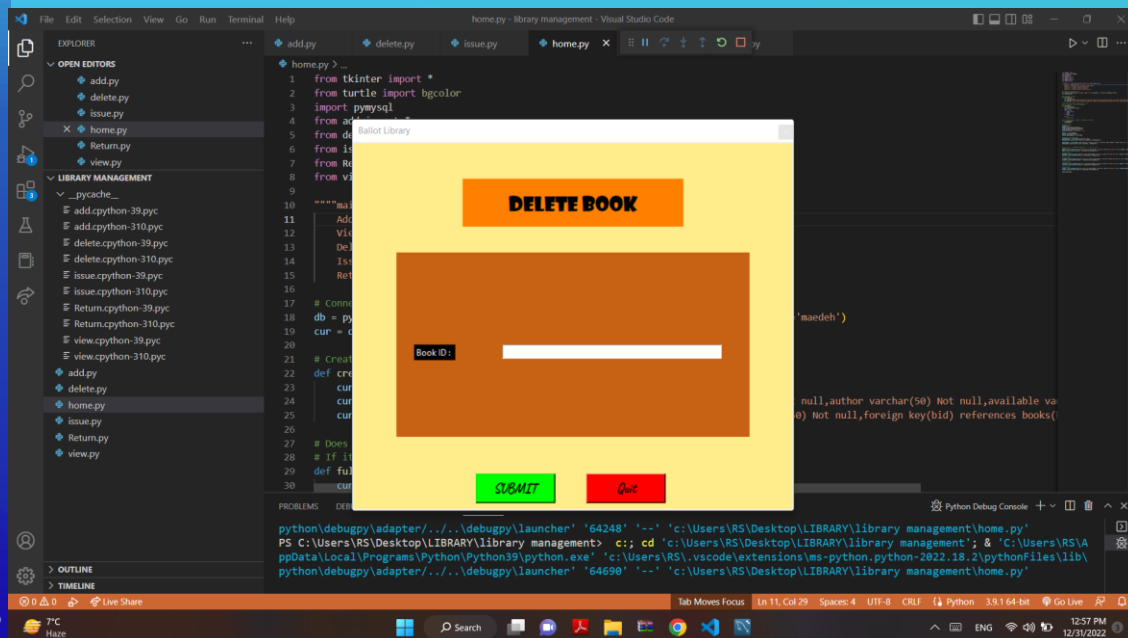
منوی اصلی کتابخانه



منوی اضافه کردن کتاب جدید



منوی حذف کردن کتاب



منوی کتاب های موجود

home.py - library management - Visual Studio Code

home.py > ...

```
1 from tkinter import *
2 from turtle import bgcolor
3 import pymysql
4 from database import *
5 from tkinter import messagebox
6 from tkinter import font
7 from tkinter import ttk
8 from tkinter import scrolledtext
9
10 """
11 Add
12 View
13 Delete
14 Insert
15 Ret
16
17 # Conn
18 db = pymysql.connect(host='localhost',user='root',password='root',database='library')
19 cur = db.cursor()
20
21 # Create
22 def create():
23     cur.execute('create table books (BookID int(4) primary key, Title varchar(50) not null, Author varchar(50) not null, Available varchar(10) not null, foreign key(bid) references books(bid))')
24     cur.execute('insert into books values(1,\'parvaz\',\'mohamadi\',\'YES\')')
25     cur.execute('insert into books values(2,\'math\',\'rezayi\',\'YES\')')
26     cur.execute('insert into books values(3,\'database\',\'shafiee\',\'YES\')')
27
28 # Does
29 # If
30 def f1():
31     cur.execute('select * from books')
32     data = cur.fetchall()
33     print(data)
34
35 # Quit
36 def f2():
37     root.destroy()
38
39 # Main
40 root = Tk()
41 root.title('Ballot Library')
42 root.geometry('400x400')
43 root.configure(bg='yellow')
44
45 # Title
46 title = Label(root, text='VIEW BOOKS', font=('bold', 16), bg='orange', width=20, height=20)
47 title.pack()
48
49 # Table
50 table = Table(root, db=db, cursor=cur, title='VIEW BOOKS', font=('bold', 10))
51 table.pack()
52
53 # Quit
54 button = Button(root, text='Quit', font=('bold', 10), bg='red', width=10, height=20)
55 button.pack()
56
57 # Run
58 root.mainloop()
59
60 # Main
61 if __name__ == '__main__':
62     f1()
63     f2()
64     root.mainloop()
65
66 # End
67 """
```

BookID	Title	Author	Available
1	parvaz	mohamadi	YES
2	math	rezayi	YES
3	database	shafiee	YES

Quit

Python Debug Console

Activate Windows
Go to Settings to activate Windows.

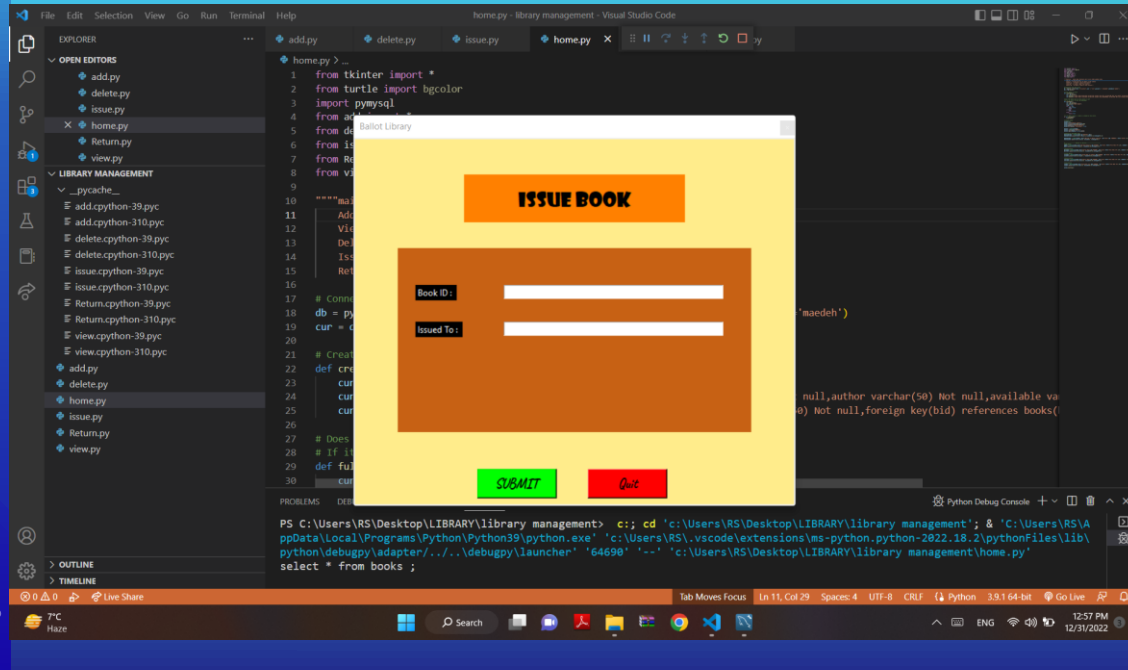
Ln 18, Col 89 (2 selected) Spaces: 4 UTF-8 CRLF Python 3.9.1 64-bit Go Live

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Haze

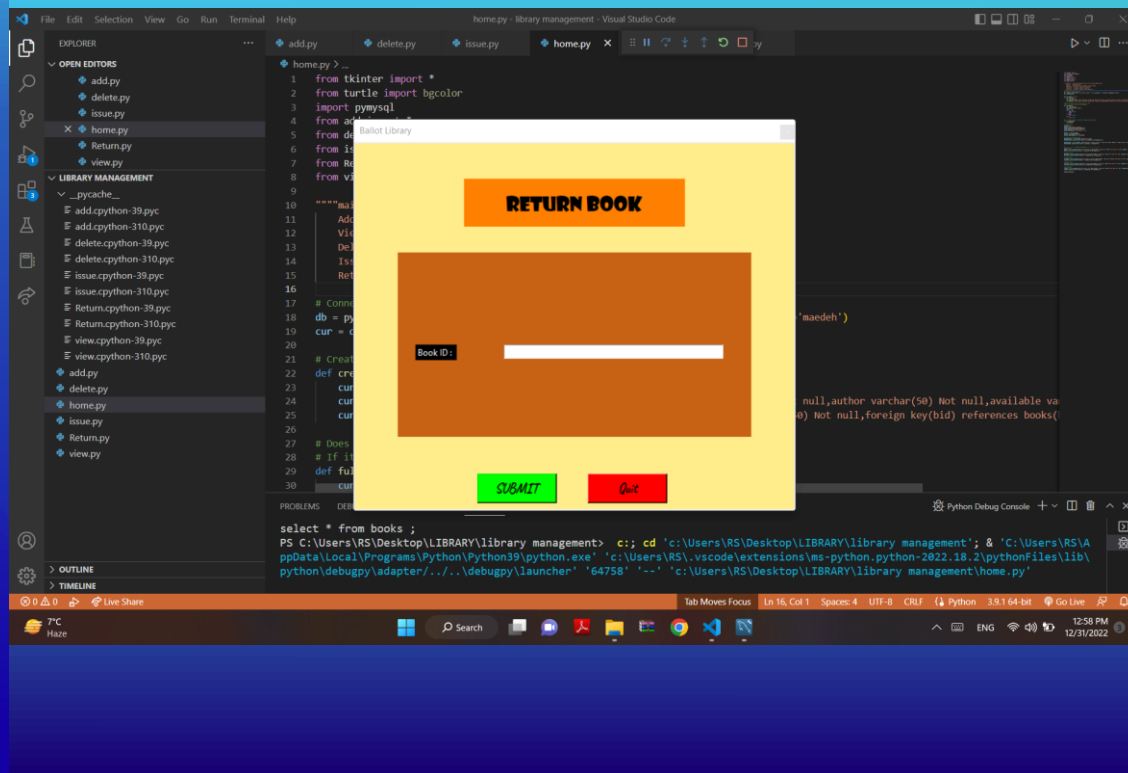
Search

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منوی کتاب گرفتن از کتابخانه



منوی پس دادن کتاب به کتابخانه



جدول های ایجاد شده در پایگاه داده

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

okls books issue books issue books issue books db - Schema books

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

SCHEMAS

Filter objects

db

Tables

books

issue

Views

Stored Procedures

Functions

project_db

sakila

sys

world

Result Grid

Filter Rows:

bid	title	author	available
1	parvaz	mohamadi	YES
2	math	rezayi	YES
3	database	shafee	YES

books 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:05:21	Apply changes to db	Changes applied	
2	15:05:35	SELECT * FROM db.books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

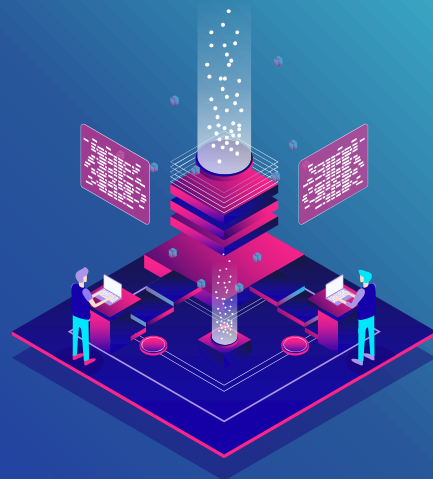
Object Info Session

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Search

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MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

db

Tables

books

issue

Views

stored Procedures

Functions

project_db

sakila

sys

world

1 SELECT * FROM db.issue;

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Filter Rows:

bid studentName

1 moroz

2

3

Issue 1 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:05:21	Apply changes to db	Changes applied	
2	15:09:35	SELECT * FROM db.books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
3	15:12:36	SELECT * FROM db.issue LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

8°C Haze

Search

ENG

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