**西安电子科技大学课程设计**

**《软件工程》**

**西安电子科技大学**

**课程作业设计**

**《软件工程》**

**题 目 酒店管理系统**

**学 院 人工智能学院**

**专 业 智能科学与技术**

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**系统程序代码说明书**

# 1引言

## 1.1编写目的

本文档为酒店管理系统详细设计说明书，为阳光酒店管理系统编码的主要依据。

## 1.2背景

本软件全称为202酒店管理系统。

本软件为202小组成员共同研发软件工程项目，由小组成员李泽林、巨梓涵、李嘉蔚、李博奥共同完成。软件适用于普通酒店、宾馆等。

# 2程序代码描述

## 2.0主界面

|  |
| --- |
| import tkinter |
| import qiantaijiemian |
| import kerenjiemian |
| import zongjinglijiemian |
|  |
|  |
| root = tkinter.Tk() |
| # root.config(height=360) |
| # root.config(width=260) |
| root.geometry('300x220+400+300') |
| root.resizable(False,False) |
| root.title('酒店管理系统主界面') |
|  |
|  |
| def button\_qiantaijiemian(): # 前台界面 |
| qiantaijiemian.qiantai(root) |
|  |
|  |
| button\_qiantai = tkinter.Button(root, text='前台界面', command=button\_qiantaijiemian) |
| button\_qiantai.place(x=20,y=20,height=30,width=100) |
|  |
|  |
| def buttion\_kerenjiemian(): # 客人界面 |
| kerenjiemian.keren(root) |
|  |
|  |
| button\_keren = tkinter.Button(root, text='客人界面', command=buttion\_kerenjiemian) |
| button\_keren.place(x=20, y=90, height=30, width=100) |
|  |
|  |
| def button\_jinglijiemian(): # 经理界面 |
| zongjinglijiemian.zongjingli(root) |
|  |
|  |
| button\_jingli = tkinter.Button(root, text='经理界面', command=button\_jinglijiemian) |
| button\_jingli.place(x=20, y=160, height=30, width=100) |
|  |
| root.mainloop() |

## 2.1前台界面

|  |
| --- |
| import tkinter.messagebox |
| from qiantaigeshiyanzheng import \* |
| """ |
| 本程序中有指令01234 |
| """ |
|  |
| def ruzhu1(windows): |
| """ |
| 涉及指令0的地方，改的时候请把下面三两行直接改掉就行，下面其余的指令都一样 |
| """ |
| # m = ['0'] |
| # i =sql(m) # 指令0看客房是否全满 |
| i = 1 # 改完占领后把这一行删了，我是用来做测试用的 |
| if i == 0: |
| tkinter.messagebox.showinfo(title='full', message='全部客房已满，无法入住') |
| elif i== 1: |
| windows\_ruzhu = tkinter.Toplevel(windows, width=500, height=200) |
| varName = tkinter.StringVar() |
| varName.set('') |
| varName2 = tkinter.StringVar() |
| varName2.set('') |
| varName3 = tkinter.StringVar() |
| varName3.set('') |
| varName4 = tkinter.StringVar() |
| varName4.set('') |
| varName5 = tkinter.StringVar() |
| varName5.set('') |
|  |
| # 创建标签和输入文本框 |
| labelName = tkinter.Label(windows\_ruzhu, text='姓名：', justify=tkinter.RIGHT, width=80) |
| labelName.place(x=10, y=10, width=80, height=20) |
|  |
| entryName = tkinter.Entry(windows\_ruzhu, width=80, textvariable=varName) |
| entryName.place(x=100, y=5, width=140, height=20) |
|  |
| user\_id = tkinter.Label(windows\_ruzhu, text='身份证号：', justify=tkinter.RIGHT, width=80) |
| user\_id.place(x=10, y=40, width=80, height=20) |
|  |
| user\_ID = tkinter.Entry(windows\_ruzhu, width=80, textvariable=varName2) |
| user\_ID.place(x=100, y=40, width=140, height=20) |
|  |
| telephone = tkinter.Label(windows\_ruzhu, text='电话号码：', justify=tkinter.RIGHT, width=80) |
| telephone.place(x=10, y=70, width=80, height=20) |
|  |
| telephone\_number = tkinter.Entry(windows\_ruzhu, width=80, textvariable=varName3) |
| telephone\_number.place(x=100, y=70, width=140, height=20) |
|  |
| ruzhu\_time = tkinter.Label(windows\_ruzhu, text='入住时间：', justify=tkinter.RIGHT, width=80) |
| ruzhu\_time.place(x=10, y=100, width=80, height=20) |
|  |
| ruzhu\_Time = tkinter.Entry(windows\_ruzhu, width=80, textvariable=varName4) |
| ruzhu\_Time.place(x=100, y=100, width=140, height=20) |
|  |
| leave\_time = tkinter.Label(windows\_ruzhu, text='离开时间：', justify=tkinter.RIGHT, width=80) |
| leave\_time.place(x=10, y=130, width=80, height=20) |
|  |
| leave\_Time = tkinter.Entry(windows\_ruzhu, width=80, textvariable=varName5) |
| leave\_Time.place(x=100, y=130, width=140, height=20) |
|  |
| def queren(): # 在这个函数里面实现验证输入信息是否规范以及发送数据 |
| name = entryName.get() |
| idcard = user\_ID.get() |
| ruzhutime = ruzhu\_Time.get() |
| leavetime = leave\_Time.get() |
| telephonenumber=telephone\_number.get() |
| jz = jiaozheng\_ruzhu(name, idcard, telephonenumber, ruzhutime, leavetime) |
| if jz == 0: |
| tkinter.messagebox.showerror('error', message='输入数据格式错误，请重新输入') |
| else: |
| """ |
| 关于指令1的地方 |
| """ |
| # m1 = ['1',name, idcard, telephonenumber, ruzhutime, leavetime] |
| # room\_number = sql(m1) |
| room\_number = 501 # 改完占领后把这一行删了，我是用来做测试用的 |
| tkinter.messagebox.showinfo(title='success', message= |
| '入住成功，请去客房%u' % room\_number) |
| buttonOK = tkinter.Button(windows\_ruzhu,text='确认',command=queren) |
| buttonOK.place(x=40,y=160) |
|  |
| def cancel(): |
| varName.set('') |
| varName2.set('') |
| varName3.set('') |
| varName4.set('') |
| varName5.set('') |
| buttoncancel = tkinter.Button(windows\_ruzhu,text='取消',command=cancel) |
| buttoncancel.place(x=120,y=160) |
|  |
|  |
| def qiantai(m): |
| windows\_qiantai = tkinter.Toplevel(m, width=300, height=200) |
| windows\_qiantai.title('前台界面') |
| windows\_qiantai.attributes('-topmost', 1) |
|  |
| def ruzhu(): |
| ruzhu1( windows\_qiantai) |
|  |
| button\_ruzhu = tkinter.Button(windows\_qiantai, text='入住', command=ruzhu) |
| button\_ruzhu.place(x=20, y=20, height=30, width=100) |
|  |
| def xuding(): |
| windows\_xuding = tkinter.Toplevel(windows\_qiantai, width=500, height=200) |
| varName = tkinter.StringVar() |
| varName.set('') |
| varName1 = tkinter.StringVar() |
| varName1.set('') |
|  |
| xuding\_room\_label = tkinter.Label(windows\_xuding, text='续订房间：', |
| justify=tkinter.RIGHT, width=80) |
| xuding\_room\_label.place(x=10, y=10, width=80, height=20) |
|  |
| room\_number = tkinter.Entry(windows\_xuding, width=80, textvariable=varName) |
| room\_number.place(x=100, y=10, width=80, height=20) |
|  |
| xuding\_date\_label = tkinter.Label(windows\_xuding, text='续订时间：', |
| justify=tkinter.RIGHT, width=80) |
| xuding\_date\_label.place(x=10, y=40, width=80, height=20) |
|  |
| xuding\_date\_string = tkinter.Entry(windows\_xuding, width=80, textvariable=varName1) |
| xuding\_date\_string.place(x=100, y=40, width=80, height=20) |
|  |
| def queren1(): # 在这个函数里面实现验证输入信息是否规范以及发送数据 |
| room = room\_number.get() |
| date = xuding\_date\_string.get() |
|  |
| jz = jiaozheng\_xuding(room, date) |
| if jz == 0: |
| tkinter.messagebox.showerror('error', message='输入数据格式错误，请重新输入') |
| else: |
| """ |
| 指令三的位置 |
| """ |
| # m = ['3',room,date] |
| # m = sql(m) |
| tkinter.messagebox.showinfo(title='success', message='续订成功') |
|  |
| buttonOK = tkinter.Button(windows\_xuding, text='确认', command=queren1) |
| buttonOK.place(x=40, y=160) |
|  |
| def cancel(): |
| varName.set('') |
| varName1.set('') |
|  |
| buttoncancela = tkinter.Button(windows\_xuding, text='取消', command=cancel) |
| buttoncancela.place(x=120, y=160) |
|  |
| button\_xuding = tkinter.Button(windows\_qiantai, text='续订', command=xuding) |
| button\_xuding.place(x=20, y=80, height=30, width=100) |
|  |
| def tuifang(): |
|  |
| windows\_tuifang = tkinter.Toplevel(windows\_qiantai, width=500, height=200) |
| varName = tkinter.StringVar() |
| varName.set('') |
|  |
| tuifang\_room\_label = tkinter.Label(windows\_tuifang, text='退订房间：',justify=tkinter.RIGHT, width=80) |
| tuifang\_room\_label.place(x=10, y=10, width=80, height=20) |
|  |
| tuidingroom\_number = tkinter.Entry(windows\_tuifang, width=80, textvariable=varName) |
| tuidingroom\_number.place(x=100, y=10, width=80, height=20) |
|  |
| def queren2(): # 在这个函数里面实现验证输入信息是否规范以及发送数据 |
|  |
| room = tuidingroom\_number.get() |
| jz = jiaozheng\_tuifang(room) |
| if jz == 0: |
| tkinter.messagebox.showerror('error', message='输入数据格式错误，请重新输入') |
| else: |
| """ |
| 指令2的位置 |
| """ |
| # m = ['2',room] |
| # money = sql(m) |
| money=1000 |
| tkinter.messagebox.showinfo(title='success', message='退房成功，您共消费%u元'% money) |
|  |
| buttonOK = tkinter.Button(windows\_tuifang, text='确认', command=queren2) |
| buttonOK.place(x=40, y=160) |
|  |
| def cancel(): |
| varName.set('') |
|  |
| buttoncancelb = tkinter.Button(windows\_tuifang, text='取消', command=cancel) |
| buttoncancelb.place(x=120, y=160) |
|  |
| button\_tuifang = tkinter.Button(windows\_qiantai, text='退房', command=tuifang) |
| button\_tuifang.place(x=20, y=140, height=30, width=100) |
|  |
| button\_quit = tkinter.Button(windows\_qiantai, text='退出', command=windows\_qiantai.quit) |
| button\_quit.place(x=150, y=140, height=30, width=100) |
|  |
| def qingdian(): |
| # m=['4'] |
| # y = sql(m) |
| y = [121,201,303] |
| if (len(y)==0):tkinter.messagebox.showinfo(title='清点', message='今日无须退房顾客') |
| else: |
| tkinter.messagebox.showinfo(title='清点', message=y) |
|  |
| button\_qingdian = tkinter.Button(windows\_qiantai, text='今日清点', command=qingdian) |
| button\_qingdian.place(x=150, y=80, height=30, width=100) |

## 2.2更新数据库入住，续住，退房信息

|  |
| --- |
| def jiaozheng\_ruzhu(a,b,c,d,e):# 校正入住数据格式 |
|  |
| zf = 1 |
| alen,blen,clen,dlen,elen = len(a),len(b),len(c),len(d),len(e) |
| if (alen<=5)and(blen==18)and(clen==11)and(dlen==8)and(elen==8): |
| zf = 1 |
| for i in range(alen): |
| if zifuchuan.is\_chienes(a[i]):zf=1 |
| else: |
| zf=0 |
| return zf |
| for i in range(blen): |
| if zifuchuan.is\_number(b[i]):zf=1 |
| else: |
| zf=0 |
| return zf |
| for i in range(clen): |
| if zifuchuan.is\_number(c[i]):zf=1 |
| else: |
| zf=0 |
| return zf |
| for i in range(dlen): |
| if zifuchuan.is\_number(d[i]):zf=1 |
| else: |
| zf=0 |
| return zf |
| for i in range(elen): |
| if zifuchuan.is\_number(e[i]): |
| zf = 1 |
| else: |
| zf = 0 |
| return zf |
| if d<e:zf=1 |
| else:zf=0 |
| else:zf = 0 |
|  |
| return zf |
|  |
|  |
| def jiaozheng\_xuding(a,b): # 矫正续住数据格式 |
| zf = 1 |
| alen,blen = len(a),len(b) |
| if alen!=3 or blen!=8: |
| zf = 0 |
| return zf |
| else: |
| for i in range(alen): |
| if zifuchuan.is\_number(a[i]):zf=1 |
| else: |
| zf=0 |
| return zf |
| for i in range(blen): |
| if zifuchuan.is\_number(b[i]):zf=1 |
| else: |
| zf =0 |
| return zf |
| return zf |
|  |
|  |
| def jiaozheng\_tuifang(a): # 矫正退房数据 |
| zf = 1 |
| alen = len(a) |
| if alen != 3: |
| zf = 0 |
| return zf |
| for i in range(alen): |
| if zifuchuan.is\_number(a[i]): |
| zf = 1 |
| else: |
| zf = 0 |
| return zf |
| return zf |

## 2.3客人界面，实现订餐与信息查询

|  |
| --- |
| import tkinter.messagebox |
| import zifuchuan |
| """ |
| 本程序中有指令5 8 |
| """ |
| def sql(): |
| return 0 |
|  |
| def jiaozheng\_xiaofei(a): |
| zf = 1 |
| alen = len(a) |
| if alen != 3: |
| zf = 0 |
| return zf |
| for i in range(alen): |
| if zifuchuan.is\_number(a[i]): |
| zf = 1 |
| else: |
| zf = 0 |
| return zf |
| return zf |
|  |
| def keren(m): |
| windows\_keren = tkinter.Toplevel(m, width=300, height=200) |
| windows\_keren.title('客人界面') |
| windows\_keren.attributes('-topmost', 1) |
|  |
| def xiaofei(): |
|  |
| windows\_xiaofei = tkinter.Toplevel(windows\_keren, width=500, height=200) |
| windows\_xiaofei.title("消费界面") |
| varName = tkinter.StringVar() |
| varName.set('') |
|  |
| xiaofei\_room\_label = tkinter.Label(windows\_xiaofei, text='房间号码：', |
| justify=tkinter.RIGHT, width=80) |
| xiaofei\_room\_label.place(x=10, y=10, width=80, height=20) |
|  |
| xiaofei\_number = tkinter.Entry(windows\_xiaofei, width=80, textvariable=varName) |
| xiaofei\_number.place(x=100, y=10, width=80, height=20) |
|  |
| def queren(): # 在这个函数里面实现验证输入信息是否规范以及发送数据 |
| room = xiaofei\_number.get() |
|  |
| jz = jiaozheng\_xiaofei(room) |
| if jz == 0: |
| tkinter.messagebox.showerror('error', message='输入数据格式错误，请重新输入') |
| else: |
| """ |
| 指令8 |
|  |
|  |
| """ |
| # m = ['8',room] |
| # money = sql(m) |
| money=1000 |
| tkinter.messagebox.showinfo(title='消费', message='您当前消费总金额为%u元'% money) |
|  |
| buttonOK = tkinter.Button(windows\_xiaofei, text='确认', command=queren) |
| buttonOK.place(x=40, y=160) |
|  |
| def cancel(): |
| varName.set('') |
|  |
| buttoncancelb = tkinter.Button(windows\_xiaofei, text='取消', command=cancel) |
| buttoncancelb.place(x=120, y=160) |
|  |
| button\_ruzhu = tkinter.Button(windows\_keren, text='消费情况', command=xiaofei) |
| button\_ruzhu.place(x=20, y=20, height=30, width=100) |
|  |
| def dingcan(): |
| windows\_dingcan = tkinter.Toplevel(windows\_keren, width=300, height=220) |
| windows\_dingcan.title("订餐界面") |
|  |
| varName = tkinter.StringVar() |
| varName.set('') |
|  |
| dingcan\_room\_label = tkinter.Label(windows\_dingcan, text='房间号码：', |
| justify=tkinter.RIGHT, width=80) |
| dingcan\_room\_label.place(x=10, y=10, width=80, height=20) |
|  |
| dingcan\_number = tkinter.Entry(windows\_dingcan, width=80, textvariable=varName) |
| dingcan\_number.place(x=100, y=10, width=80, height=20) |
|  |
| def queren1(): # 在这个函数里面实现验证输入信息是否规范以及发送数据 |
| room = dingcan\_number.get() |
| jz = jiaozheng\_xiaofei(room) |
| if jz == 0: |
| tkinter.messagebox.showerror('error', message='输入数据格式错误，请重新输入') |
| else: |
| windows\_taocan = tkinter.Toplevel(windows\_dingcan, width=300, height=220) |
| windows\_taocan.title("套餐界面") |
| """ |
| 指令5，该指令一共有4处分别在taocanABCD里面 |
| """ |
|  |
| def taocanA(): |
| # m = ['5',room,'1000'] |
| # l = sql(m) |
| tkinter.messagebox.showinfo(title='订餐', message="您已预定套餐A成功") |
|  |
| buttonA = tkinter.Button(windows\_taocan, text='套餐A(10元)', command=taocanA) |
| buttonA.place(x=20, y=20) |
|  |
| def taocanB(): |
| # m = ['5',room,'0100'] |
| # l = sql(m) |
| tkinter.messagebox.showinfo(title='订餐', message="您已预定套餐B成功") |
|  |
| buttonB = tkinter.Button(windows\_taocan, text='套餐B(15)元', command=taocanB) |
| buttonB.place(x=20, y=70) |
|  |
| def taocanC(): |
| # m = ['5',room,'0010'] |
| # l = sql(m) |
| tkinter.messagebox.showinfo(title='订餐', message="您已预定套餐C成功") |
|  |
| buttonC = tkinter.Button(windows\_taocan, text='套餐C(8元)', command=taocanC) |
| buttonC.place(x=20, y=120) |
|  |
| def taocanD(): |
| # m = ['5',room,'0001'] |
| # l = sql(m) |
| tkinter.messagebox.showinfo(title='订餐', message="您已预定套餐D成功") |
|  |
| buttonD = tkinter.Button(windows\_taocan, text='套餐D(20元)', command=taocanD) |
| buttonD.place(x=20, y=170) |
|  |
| buttonOK = tkinter.Button(windows\_dingcan, text='确认', command=queren1) |
| buttonOK.place(x=40, y=160) |
|  |
| button\_ruzhu = tkinter.Button(windows\_keren, text='消费情况', command=xiaofei) |
| button\_ruzhu.place(x=20, y=20, height=30, width=100) |
|  |
| button\_xuding = tkinter.Button(windows\_keren, text='订餐', command=dingcan) |
| button\_xuding.place(x=20, y=90, height=30, width=100) |
|  |
| button\_quit = tkinter.Button(windows\_keren, text='退出', command=windows\_keren.quit) |
| button\_quit.place(x=170, y=150, height=30, width=100) |

## 2.4经理界面入住率查询以及营业额查询

def sql(m):  
 return 0  
  
  
def zongjingli(m):  
 windows\_jingli = tkinter.Toplevel(m, width=300, height=200)  
 windows\_jingli.title('经理界面')  
 windows\_jingli.attributes('-topmost', 1)  
  
 def caiwu():  
  
 m = ['6']  
 y = b.sql(m)  
 """  
 指令6部分  
 """  
 #y = [2000,3000,5000,11000,3000,4000,8000]  
 caiwutu.huatu(y,windows\_jingli)  
  
 button\_caiwu = tkinter.Button(windows\_jingli, text='财务报表', command=caiwu)  
 button\_caiwu.place(x=20, y=20, height=30, width=100)  
  
 def ruzhulv():  
 m = ['7']  
 n = b.sql(m)  
 """  
 指令7部分  
 """  
 #n =99.2  
 tkinter.messagebox.showinfo(title='入住率', message="今日入住率为%5.2f" % n)  
  
  
 button\_ruzhulv = tkinter.Button(windows\_jingli, text='入住率', command=ruzhulv)  
 button\_ruzhulv.place(x=20, y=80, height=30, width=100)  
  
 button\_quit = tkinter.Button(windows\_jingli, text='退出', command=windows\_jingli.quit)  
 button\_quit.place(x=150, y=140, height=30, width=100)

## 2.5 数据库建立

|  |
| --- |
| import datetime |
| def connect\_mysql(): |
| db\_config = dict(host='localhost', port=3306, db='BOAO', charset='utf8', user='BOAO', passwd='19981228') |
| try: |
| cnx = mdb.connect(\*\*db\_config) |
| except Exception as err: |
| raise err |
| return cnx |
| def date\_caculate(j,k): |
| if k!=1: |
| d1=datetime.datetime.strptime(j, '%Y%m%d') |
| d2 = datetime.datetime.strptime(k, '%Y%m%d') |
| delta=d1-d2 |
| return int(delta.days) |
| else: |
| d1 = datetime.datetime.strptime(j, '%Y%m%d') |
| delta = datetime.timedelta(days=k) |
| n\_days = d1 + delta |
| return n\_days.strftime('%Y%m%d') |
|  |
| def sql(list): |
| if list[0]=='0': |
| return full() |
| if list[0]=='1': |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| room = "SELECT \* FROM room2 WHERE money =%d"%(0) |
| cus.execute(room) |
| b=str(cus.fetchone()[0]) |
| cus.close() |
| cnx.close() |
| checkin(b,list) |
| return 1 |
| if list[0]=='2': |
| return checkout(list) |
| if list[0]=='3': |
| continued(list) |
| return 1 |
| if list[0] == '4': |
| return day\_pass() |
| if list[0]=='5': |
| eat(list) |
| return 1 |
| if list[0]=='6': |
| return money() |
| if list[0]=='7': |
| return rate() |
| if list[0]=='8': |
| return money\_people() |
| def full(): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| room = "SELECT \* FROM room2 WHERE cus\_name =%s"%('0') |
| cus.execute(room) |
| results = cus.fetchone() |
| cus.close() |
| cnx.close() |
| if results: |
| return 1 |
| else: |
| return 0 |
| def checkin(b,list): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| c=(date\_caculate(list[5],list[4]))\*150 |
| room="update room2 set cus\_name='%s',id\_num='%s',cus\_phone='%s',in\_time='%s', \ |
| out\_time='%s',ats='%s',bts='%s',cts='%s',dts='%s',money='%d', \ |
| money\_day='%d'" %(list[1], list[2], list[3], list[4],list[5],'0','0','0','0',c,c)+"where room\_id = '%s'" %(b) |
| cus.execute(room) |
| cnx.commit() |
| cus.close() |
| cnx.close() |
| def checkout(list): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| room = "SELECT \* FROM room2 WHERE room\_id ='%s'" % (list[1]) |
| cus.execute(room) |
| d = cus.fetchone() |
| room = "UPDATE room2 SET cus\_name= '%s' , id\_num= '%s', cus\_phone = '%s',in\_time = '%s', \ |
| out\_time ='%s',ats='%s',bts='%s',cts='%s',dts='%s', \ |
| money='%d'" % ('0','0','0','0','0','0','0','0','0',0) + "where room\_id = '%s'" % (list[1]) |
| cus.execute(room) |
| cnx.commit() |
| cus.close() |
| cnx.close() |
| return d[10] |
| def continued(list): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| room = "SELECT \* FROM room2 WHERE room\_id ='%s'"%(list[1]) |
| cus.execute(room) |
| d=cus.fetchone() |
| c=(date\_caculate(d[5],list[2])\*150)+d[10] |
| b=(date\_caculate(d[5],list[2])\*150)+d[11] |
| room = "UPDATE room2 SET out\_time ='%s',money='%d',money\_day='%d'" % (list[2],c,b) + "where room\_id = '%s'" % (list[1]) |
| cus.execute(room) |
| cnx.commit() |
| cus.close() |
| cnx.close() |
| def eat(list): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| room = "SELECT \* FROM room2 WHERE room\_id ='%s'" % (list[1]) |
| cus.execute(room) |
| d = cus.fetchone() |
| da=str(int(d[6])+int(list[2][0])) |
| db = str(int(d[7]) + int(list[2][1])) |
| dc = str(int(d[8]) + int(list[2][2])) |
| dd = str(int(d[9]) + int(list[2][3])) |
| c=(int(list[2][0])\*10+int(list[2][1])\*8+int(list[2][2])\*15+int(list[2][3])\*20)+d[10] |
| b=(int(list[2][0])\*10+int(list[2][1])\*8+int(list[2][2])\*15+int(list[2][3])\*20)+d[11] |
| room = "UPDATE room2 SET ats='%s',bts='%s',cts='%s',dts='%s', \ |
| money='%d',money\_day='%d'" % (da,db,dc,dd,c,b) + "where room\_id = '%s'" % (list[1]) |
| cus.execute(room) |
| cnx.commit() |
| cus.close() |
| cnx.close() |
| def day\_pass(): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| sqlo = "select \* from people2 where week = '%d'" % (8) |
| cus.execute(sqlo) |
| m= str(cus.fetchone()[0]) |
| n=cus.fetchone()[1] |
| if n>=8: |
| n=1 |
| for i in range(1,8): |
| sqln = "UPDATE people2 SET all\_money ='%d',room\_rate='%f'" % (0,0) + "where week = '%d'" % (i) |
| cus.execute(sqln) |
| cnx.commit() |
| m=date\_caculate(m,1) |
| sql1="select sum(money) from room2 where money\_day<>'%d'"%(0) |
| cus.execute(sql1) |
| p=cus.fetchone()[0] |
| if p is not None: |
| b=int(p) |
| else: |
| b=0 |
| sql2="select \* from room2 where money<>'%d'"%(0) |
| cus.execute(sql2) |
| result= cus.fetchall() |
| c=float(len(result))/100 |
| sqll="UPDATE people2 SET all\_money ='%d',room\_rate='%f'" % (b,c) + "where week = '%d'" % (n) |
| cus.execute(sqll) |
| cnx.commit() |
| sqlm="select \* from room2 where out\_time<=%s and out\_time<>%s"%(m,'0') |
| cus.execute(sqlm) |
| results = cus.fetchall() |
| d=[] |
| for row in results: |
| d.append(row[0]) |
| for i in range(101, 201): |
| q=str(i) |
| sqln = "UPDATE room2 SET money\_day ='%d'" % (0) + "where room\_id = '%s'" % (q) |
| cus.execute(sqln) |
| cnx.commit() |
| m=int(m)+1 |
| n=n+1 |
| sqql="UPDATE people2 SET all\_money ='%d',room\_rate='%f'" % (m,n) + "where week = '%d'" % (8) |
| cus.execute(sqql) |
| cnx.commit() |
| cus.close() |
| cnx.close() |
| return d |
| def money(): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| sql="select \* from people2 " |
| cus.execute(sql) |
| results = cus.fetchall() |
| d = [] |
| for row in results: |
| d.append(row[1]) |
| return d |
| def rate(): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| sql="select \* from people2 " |
| cus.execute(sql) |
| results = cus.fetchall() |
| d = [] |
| for row in results: |
| d.append(int(row[2])) |
| return d |
| def money\_people(list): |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| sql = "select \* from room2 where room\_id='%s'"%(list[1]) |
| cus.execute(sql) |
| results = cus.fetone() |
| d=results[10] |
| return d |

## 2.6 数据库与界面连接

|  |
| --- |
| import MySQLdb as mdb |
| import tkinter |
| def connect\_mysql(): #连接mysql数据库，老师若想使用请更改db，user，passwd参数为环境里的数据库名和密码 |
| db\_config = dict(host='localhost', port=3306, db='BOAO', charset='utf8', user='BOAO', passwd='19981228') |
| cnx = mdb.connect(\*\*db\_config) |
| return cnx |
| cnx = connect\_mysql() |
| cus = cnx.cursor() |
| cus.execute("DROP TABLE IF EXISTS people2") |
| people2= """create table people2( |
| week int not null, |
| all\_money int, |
| room\_rate float |
| ) |
| """ |
| cus.execute(people2) |
| cnx.commit() |
| cus.execute("DROP TABLE IF EXISTS room2") |
| room2= """create table room2 ( |
| room\_id char(3) not null, |
| cus\_name varchar(5), |
| id\_num char(18), |
| cus\_phone char(11), |
| in\_time char(8), |
| out\_time char(8), |
| ats char(2), |
| bts char(2), |
| cts char(2), |
| dts char(2), |
| money int, |
| money\_day int |
| ) |
| """ |
| cus.execute(room2) |
| cnx.commit() |
| for i in range(1,8): |
| sql="INSERT INTO people2(week,all\_money,room\_rate)VALUES(%d,%d,%f)"%(i,0,0) |
| cus.execute(sql) |
| cnx.commit() |
| sql="INSERT INTO people2(week,all\_money,room\_rate)VALUES(%d,%d,%f)"%(8,20190108,1) #通过修改2019\*\*\*\*和1这个参数可以调整初始日期和星期 |
| cus.execute(sql) |
| cnx.commit() |
| for i in range(101,201): |
| a=str(i) |
| sql="INSERT INTO room2(room\_id,cus\_name,id\_num,cus\_phone,in\_time,out\_time,ats,bts,cts,dts,money,money\_day)VALUES(%s,%s,%s,%s, \ |
| %s,%s,%s,%s,%s,%s,%d,%d)"%(a,'0','0','0','0','0','0','0','0','0',0,0) |
| cus.execute(sql) |
| cnx.commit() |
| cus.close() |

## 