

運算思維與程式設計

主題:小騷包之騙取企業老董遺產大作戰

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動機

使用說明

程式内容與延伸運用

心得與結論

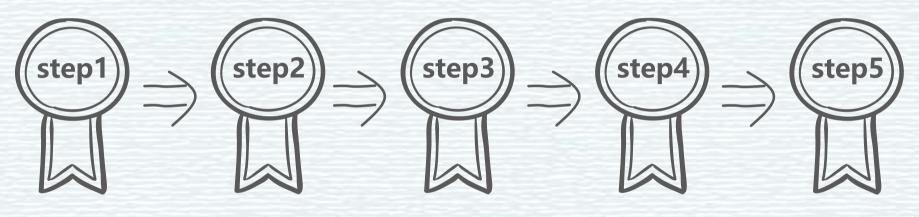


動機

現在網路科技發達,許多作業都 必須透過網路執行,而安全就成 了一大疑慮,因此想模擬做出一 道密碼鎖,自己設定帳號密碼並 執行登入



使用說明



選擇註冊

輸入欲設定的 帳號密碼

選擇登入

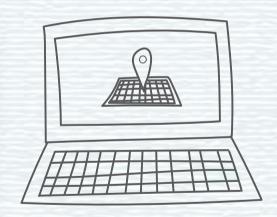
輸入您已註冊 的帳號及密碼

即可登入



參考內容為一組已設定好的帳號及密碼,並有三次嘗 試的機會,若成功則登入而失敗則登出

```
mplementation(實作)/login_lock.py *
  M-"#125"1
   PW-T645671
   for x in range(count):
    count -1: |||
     acc-input("無人報號:");
    pwd-input("開稿人志道:");
    If(acc -- AC unit ped -- PW)
      print("是人超到");
      If(count==0):
       print("基础已算定。講拉管理算");
        exit()
       print("馬敦密薩護, 別計 +str(count)+"不養意
        超黄金属品。);
   op-eval(input("誘點人至要執行的程式:8.論第 1.881
   3.華氏韓順氏 - 3.其他投票"))
```

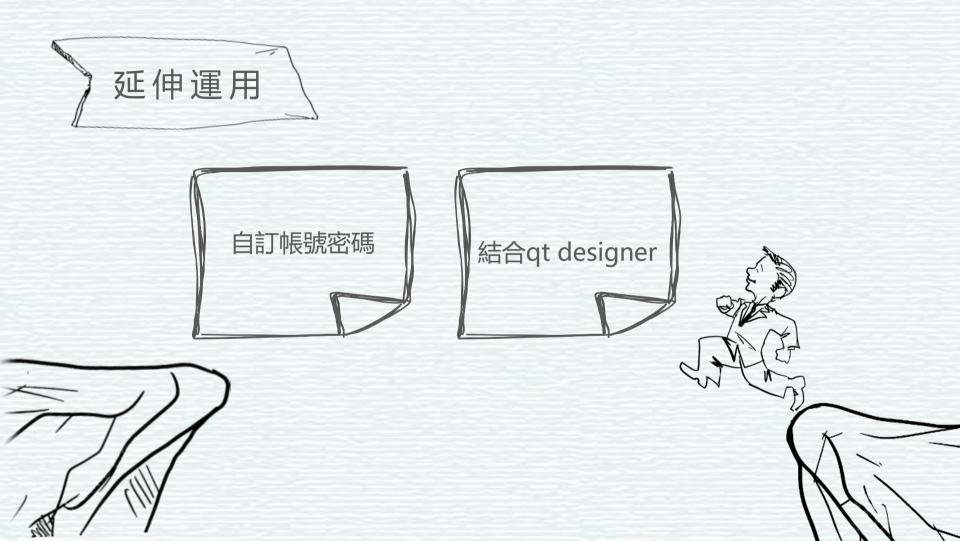


程式執行結果

```
AC="0123";
PW="h456";

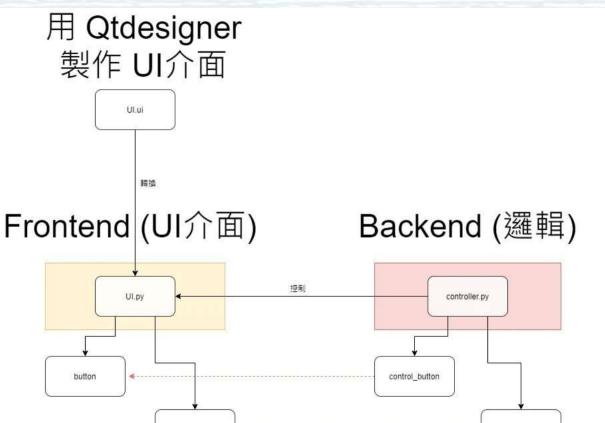
count=3
for x in range(count):
    count=1; ===
    acc=input("個人展標!");
    pwd=input("個人展標!");

if(acc == AC and pwd == PW):
    print("個人展標!");
    breat (if(count==0):
        print("個展開展",個展標");
    exit()
    else:
        print("低級國際展開,例展"+str(count)+"不開發、新聞地區");
```



概念示意圖

圖源 https://www.wongwon ggoods.com/python/py qt5-4/



control_text

text

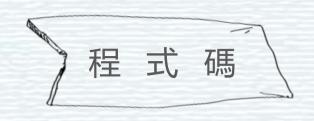
程式碼

```
one.py > % mainWindow > 🕜 register
      Wimport ui zhuce as zc
      # from PyQt5 import QDialog
      # from PyOt5 import OMainWindow
      from PyQt5.QtWidgets import QDialog, QMainWindow, QApplication, QMessageBox
      from PyQt5 import uic
      import sys
      class mainWindow(QMainWindow):
          def __init__(self):
              OMainWindow. init (self)
              uic.loadUi('ui_zhuce.ui', self)
              self.blogin.clicked.connect(self.login)
              self.bRegister.clicked.connect(self.register)
              self.registerlist = [[]]
          def login(self):
              self.lw = loginWindow()
              self.lw.exec ()
              #print(self.lw.eUsername.text())
              #print(self.lw.ePassword.text())
              if [self.lw.eUsername.text(), self.lw.ePassword.text()] in self.registerlist:
```

程式碼



```
one.py > tmainWindow > the register
              if [self.lw.eUsername.text(), self.lw.ePassword.text()] in self.registerlist:
                  QMessageBox.information(None, 'Login', 'Success!')
                  OMessageBox.information(None, 'Login', 'Fail!')
          def register(self):
              self.lw = regisnerWindow()
              self.lw.exec_()
              if self.lw.eUsername1.text() == self.lw.eUsername2.text() and self.lw.ePassword1.text() == self.lw.eF
                  self.registerlist.append([self.lw.eUsername1.text(), self.lw.ePassword1.text()])
              #print(self.lw.eUsername1.text())
              #print(self.lw.eUsername2.text())
              #print(self.lw.ePassword1.text())
              #print(self.lw.ePassword2.text())
              if self.lw.eUsername1.text() == self.lw.eUsername2.text() and self.lw.ePassword1.text() == self.lw.eF
                  QMessageBox.information(None, 'register', '註冊เ認助!')
                  QMessageBox.information(None, 'register', '註冊夫数1')
42
      class loginWindow(QDialog):
          def __init__(self):
              ODialog, init (self)
              uic.loadUi('ui_login.ui', self)
              self.bOKK.clicked.connect(self.close)
```





```
one.py > 😭 mainWindow > 🛇 register
      class loginWindow(QDialog):
         def init (self):
             QDialog.__init__(self)
             uic.loadUi('ui login.ui', self)
             self.bOKK.clicked.connect(self.close)
             # self.child = zc.Ui MainWindow()
             # self.child.setupUi(self)
      class regisnerWindow(ODialog):
         def init (self):
             ODialog. init (self)
             uic.loadUi('ui denglu.ui', self)
             self.bOK.clicked.connect(self.close)
      if name == '_main_':
         app = OApplication(sys.argv)
         window = mainWindow()
         # child = childWindow()
         # 透過toolButton將兩個窗體關聯
         # btn = window.main ui.Ui submit user
64
         # btn.clicked.connect(child.show)
         #顯示
         window.show()
         sys.exit(app.exec_())
```

主頁面程式碼

```
from Pyges Separa Occare, Utilil, Othicagets
   nof satisfiliself, @tdesigner):
       Other Igner, netObjectName("Other Igner")
       Otherigner resize (761, 581)
       Otherigner.astStyleDest(Theolograms: Inory) online blom, border: Inn salid green, ")
       self.box = ptsidgets.Ohiohbotton(Otbesigner)
       self.box.setSecretry(QtCore.Qtent(S48, 388, 321, 511)
       salf.box.setStylaSheet("Maniground White; salery green; border; how sailed green; W"
"First State \"Agency FS\", T3
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       self_elserment = Obsligets_Oblinefelt(Obbesigner)
       palf-edge-mark1_sattlemetry(DitoractMach(358, 586, 511, 25))
       self-sterment.setStyleSheet("background.shite; salar: green; torder: Jan salid green, "A"
"First: Elat \"Agency #$1", "3
       self.elsement.setCbfectSame("elsement")
       salf-attenuent - Colleges, C. Patrick Colleges
       self.efennerdl.setDecestry(DtCore.Otent(DDS, DSS, SII, DE))
       self.eressenti.astStyleDest("berignound:ablite; color: green; border: Zox solid green; b"
"fort | List ("Agency (3\",")
       self.sfessoril.setCojectName("sfessoril")
       self.edsermane2 = Ondingsts.Quinetdit(QeDesigner)
       self.eduernmen2.setDecestry((tCore.Distr(250, 218, 213, 25))
       self elserment2 setStyleSheet["hackground;white; calor; green; horder: Zox valid green;in"
       self.elsername2.setObjecttame("elsername2")
        self.sPassardI = Qtridgets.Uninstell(QtDesigner)
```

```
Yout: 12pt ("Agency FB\";")
        self.label 2.setObjectName("Intel 2")
       self.label 3 - Otkingets.Otabel(OtDesigner)
       self.label_3.setGeometry(QtCore.QBest(Z50, 200, 111, 31))
        self.label & setStyleSheet("hackground: ivory; color: black;border;shite;\n"
"fort: IZpt \"Agenty FE\";")
       pelf.label 5.setObjectName("label 5")
       self. Label 4 = Othingets -QLabel (OtDesigner)
       self.label 4.setGeometry(OtCore.ORect(250, 258, 101, 41))
       self.label 4 setStyleSheet("background) [vory] onlor | black;border.white;\"
"fort: 1205 \"Agency FE\";")
       self.label_4.setObjectName("label_4")
        self.retranslateUI(OtDesigner)
       OtCore.ONwtaOnfact.connectSlatsByName(OtDesigner)
   def retranslateU1(self, OtDesigner):
        trenslate - OtCore. OCoreApplication. translate
       OtDesigner.setWindowTitle( translate("OtDesigner", "Fore"))
       self.box.setText(_translate("OtDesigner", "Hill"))
       self label setText( translate("OtDesigner", "High"))
       swif.label 2.setText( translate("OtDesigner", "NUM"))
       pulf label 3.setText( translate("OtDesigner", "Sprintle"))
        self.label_4.setTest(_translate("QtDesigner", "SETF STAR"))
```

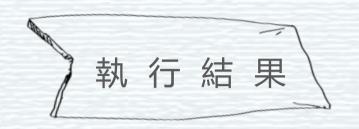
```
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malf.supermend.netSbjectName("ellowmend")
self.efecuent2 = (miligens.(b.institit)@cbackgear)
self.efencerdl.settemetry(ptions.Ghart(198, 208, 112, 201)
pelf of asserti setitylejfesti "habground white, order; green, border; he selld green, to"
self.efscount2.set2t/ections("efscount2")
medif. Label - Quality to Date | Option | presigner)
welf latel setDecembry (Ottors Chart(250, 180, 91, 51))
wif label settyletheet "manground lown; mior, black burder witte, or
salf latel swift factions [ ] and [ ]
self.latel_7 = QtKidgsts.U.shell@desigser|
salf-listed 2 swtletmetry(Uniona (Dannille, 548, 91, 45))
salf-lately sattractive the transposed force; to the standard white, 'n'
walf label 2.setObjechture("Label 27)
self latel 3 a challogers of shellOrderigner)
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self Lenel 7 settyletheet Charlemand: Larry only Dien black border white, by
metal transfer is earlier factorism at Training 1971.
self-latel a - graingers, translittenigner)
1027.10102.4.setDecentry(Octors.Shart(278, 258, 181, 421)
welf-lated_A.setStyleSheet[Shartground: | surp_ unlar: black_horder_white; by
self-listel # setObjectNews("listel 9")
self.vetrenslates/f(QtDesigner)
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登入程式碼

```
From Parity Square Street, Street, Street, Street,
class UL Ottenigner (ubject):
   def setuput(xelf, QtOesigner);
        Other Ligner, settle fect Name (1995) is a grant of
       Other Laner, residentism, 579)
       Otherigner setStyleSheet("background: Norry; color: blue; border: lps solid green;")
       nair latel 2 . Company diamet (Otherigner)
        malf lanel 2 satisfactry (Schire Spect 279, 188, 81, 91))
        self latel 2 setStyleSteet("Sacrgrand: Loary; color: black; narmar white; in"
        walf-lated 2 switching thems! "lated 2"?
       salf label 3 - Quitagets Quatel (Quatel grant)
        self latel 5 settlemetry (Orders Dect 129, 138, 81, 36)
       self limit 3 settyletteet; hangement hory; online black; menter white; w"
       self-latel_3.setObjectNess[Tlatel_S7]
       sale.equerame - Qualitatin (Quinstill) (Quasigner)
       wilf-mineroses; settlementry (Ottors: Quantilis), 130, 141, 4111
       celf elegrame_setityleSteet("hatigrands while; unlar" groom; burder: 2ps calld green; br
       pulfillementary, settle forthweet "electrone")
        self. Passened = Officingth: Olivetdir (Otherigrer)
       self. Farmerd. settlementry (Others. Geneticson, 180, 141, 411)
        self-element.setStyleSheet("harignment:white; online green; border 2ps salid green; htt
        self-ellerness it QtsLigets.Q.Liefilit(QtDesigner)
        and f attachment outdensetry (Dillers Describer, 198, 161, 415)
        and asserted attitudational bankground attitut salary green, harder him sailed green (or
        ball attended outdebettless ("misroom")
        exit, efectivery = Obstances, builded to proceed green
        self.ersnamd.setGeometry(Dillors.Quart(Disk, 100, 161, 41))
        helf eveneral settitiethestPrintground white, relier green, border, inc sellis green, or
        self efenced settle jettlem [feferselfd]]
        self.box a contigers obschoosserionbesigner)
        9627 8008 setSensetry (Dillers Chect(328, 255, 825, 835)
        self this setbyletheet bangrandurite; below green border. You calle green to
        ex14.000 set0bjetNew("book")
        ealf.retranslates((Stimulgeer)
        mor retranslatesticabl, otherspect
        _translate = Occurs_OlimatesLication.translate
        Otherigner_hets(nate()tie()translate("()theligner", "form"))
        smlf.lanel_E.setTest[_trunslate("(timelgoot", "Hiff"))
        self.latel_3.setfact(_translate("Ctbs:/grand, "SUR"))
        self.BOCK.setText(_branslate("Ollosigner", "BUL"))
```

註冊程式碼

```
From PyOtS import OtCore, OtGui, OtWidgets
class UI OtDesigner(object):
    def setupUi(self, OtDesigner):
        OtDesigner.setObjectName("OtDesigner")
       OtDesigner.resize(758, 577)
       OtDesigner.setStyleSheet("background: ivory; color: blue; border: lpx solid green;")
       self.bRegister = Otkidgets.QPushButton(QtDesigner)
       self.bRegister.setGeometry(OtCore.ORect(300, 350, 151, 71))
       self_bRegister.setStyleSheet("background:white; color: green; border: 2px solid green;\n"
"font: 12pt \"Agency FB\";")
       self_bRegister.setObjectName("bRegister")
        self.blogin = Othlidgets.OPushButton(OtDesigner)
       self.blogin.setGeometry(OtCore.ORect(300, 250, 151, 71))
       self-blogin.setStyleSheet("background:white; color: green; border: 2px solid green; \n"
"font: 12pt \"Amency FB\";")
       self.blogin.setObjectName("blogin")
        self.label = OtWidgets.OLabel(OtDesigner)
       self_label.setGeometry(OtCore.ORect(138, 78, 491, 131))
       self_label.setStyleSheet("background: ivory; color: black;border:white;\n"
"font: 75 16pt \"Arial\":")
       self.label.setObjectName("label")
        self.retranslateUi(OtDesigner)
       QtCore.QMetaObject.connectSlotsByName(QtDesigner)
    def retranslateUi(self, OtDesigner):
        translate = OtCore.OCoreApplication.translate
       QtDesigner.setWindowFitle(_translate("QtDesigner", "Form"))
        self.bRegister.setText(_translate("QtDesigner", "HH"))
```



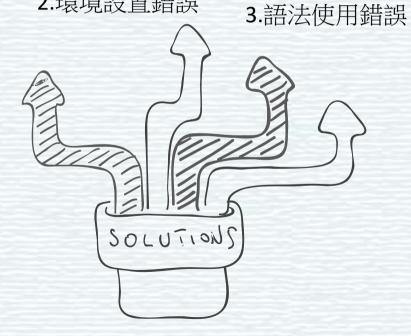




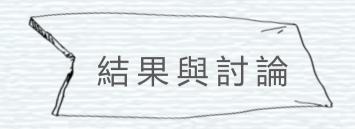
問題與解法

2.環境設置錯誤

1.Py檔存錯位置



4.如何由母視窗 叫出子視窗

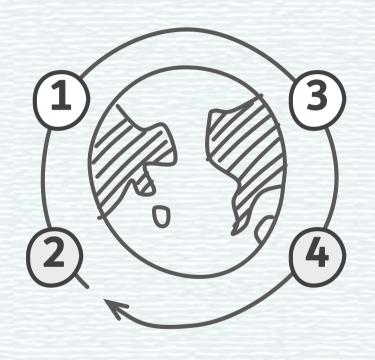


我們做了pyqt5 Qt Designer進階應用,使用者可以透過註冊鍵設定帳號密碼,利用登入鍵登入帳號密碼,應用py的雙階層、連結子母視窗,利用觸發條件改變狀態

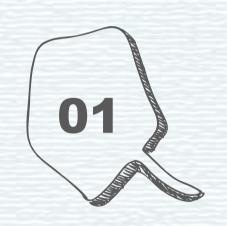


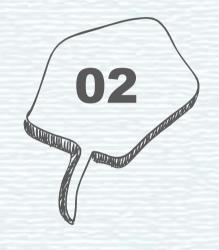
學習心得

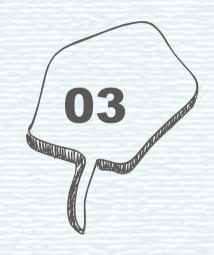
經過本次專題製作學習到最多的是 團隊合作的解題能力,整合組員不 同的創新想法並訂定方向,在解題 過程中互相分享自己的看法並透過 多方查詢資料得到確的結論,經由 多次嘗試整合才能完成這次的專題 報告。











程式發想

陳昱宇





THE END 謝謝大家