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# -*- coding: utf-8 -*-

# Form implementation generated from reading ui file 'tnlui.ui'
#
# Created by: PyQt5 UI code generator 5.11.3
#
# WARNING! All changes made in this file will be lost!
from builtins import object

from PyQt5 import QtCore, QtGui, QtWidgets
from PyQt5.QtWidgets import*
from PyQt5.QtCore import*
from PyQt5.QtGui import*
import sys
import time
import urllib.request
from bs4 import BeautifulSoup
import os
from PIL import Image
class ReTbmm():
    def Retbmm(self):
        start = time.time()
        self.cdir = os.getcwd()
        # https://www.autohome.com
        # 车身外观
        url1 = "https://car.autohome.com.cn/pic/series/385-1.html#pvareaid=2042220"
        # 中控
        url2 = "https://car.autohome.com.cn/pic/series/385-10.html#pvareaid=2042220"
        # 车厢
        url3 = "https://car.autohome.com.cn/pic/series/385-3.html#pvareaid=2042220"
        # 其它细节
        url4 = "https://car.autohome.com.cn/pic/series/385-12.html#pvareaid=2042220"
        self.getImg('车身外观',url1)
        self.getImg('中控', url2)
        self.getImg('车厢', url3)
        self.getImg('其它细节', url4)
        end = time.time()
        print('run time:' +str(end -start))
    def getImg(self,name,urls):
        user_agent = "Mozilla/5.0 (Windows NT 10.0;Win64;x64)
AppleWebKit/537.36(KHTML,like Gecko)Chrome/42.0.2311.135 Safari/537.36
Edge/12.10240"

        header = {'User-Agent':user_agent}

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request = urllib.request.Request(urls,headers=header)
response = urllib.request.urlopen(request)
#解析数据
bsObj = BeautifulSoup(response,'html.parser')
t1 = bsObj.find_all("img")
for t2 in t1:
    t3 = t2.get("src")
    print(t3)
path = self.cdir + '/mrsoft'+str(name)
if not os.path.exists(path):
    os.makedirs(path)
n = 0

for img in t1:
    n = n+1
    link = img.get("src")
    if link:
        s = "http:" + str(link)
        i = link[link.rfind('.'):]
        try:
            request = urllib.request.Request(s)
            response = urllib.request.urlopen(request)
            imgData = response.read()
            pathfile = path + r"/" + str(n) + i
            with open(pathfile,"wb") as f:
                f.write(imgData)
                f.close()
            print("thread"+name + "write:"+pathfile)
        except:
            print(str(name)+"thread write false:"+s)

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class Ui_Form(object):
    def setupUi(self, Form):
        Form.setObjectName("Form")
        Form.resize(584, 515)
        self.scrollArea = QtWidgets.QScrollArea(Form)
        self.scrollArea.setGeometry(QtCore.QRect(20, 70, 191, 391))
        self.scrollArea.setWidgetResizable(True)
        self.scrollArea.setObjectName("scrollArea")
        self.scrollAreaWidgetContents = QtWidgets.QWidget()
        self.scrollAreaWidgetContents.setGeometry(QtCore.QRect(0, 0, 189, 389))
        self.scrollAreaWidgetContents.setObjectName("scrollAreaWidgetContents")
        self.treeView = QtWidgets.QTreeView(self.scrollAreaWidgetContents)
        self.treeView.setGeometry(QtCore.QRect(0, 0, 191, 391))

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self.treeView.setObjectName("treeView")
self.treeView.setHeaderLabel('爬虫爬出的结果')
self.scrollArea.setWidget(self.scrollAreaWidgetContents)
self.verticalLayout = QtWidgets.QVBoxLayout(Form)
self.verticalLayout.setObjectName("verticalLayout")
self.scrollArea_2 = QtWidgets.QScrollArea(Form)
self.scrollArea_2.setGeometry(QtCore.QRect(209, 69, 321, 391))
self.scrollArea_2.setWidgetResizable(True)
self.scrollArea_2.setObjectName("scrollArea_2")
self.scrollAreaWidgetContents_2 = QtWidgets.QWidget()
self.scrollAreaWidgetContents_2.setObjectName("scrollAreaWidgetContents_2")
self.gridLayout = QtWidgets.QGridLayout(self.scrollAreaWidgetContents_2)
self.gridLayout.setContentsMargins(5, 5, 5, 5)
self.gridLayout.setObjectName("gridLayout")
#self.scrollArea_2.setWidget(self.scrollAreaWidgetContents_2)
self.pushButton = QtWidgets.QPushButton(Form)
self.pushButton.setGeometry(QtCore.QRect(40, 30, 75, 23))
self.pushButton.setObjectName("pushButton")

self.retranslateUi(Form)
QtCore.QMetaObject.connectSlotsByName(Form)

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def retranslateUi(self, Form):
    _translate = QtCore.QCoreApplication.translate
    Form.setWindowTitle(_translate("Form", "明日科技"))
    self.pushButton.setText(_translate("Form", "阿斯顿马丁"))
    self.root = QTreeWidgetItem(self.treeView)
    self.root.setText(0, 'V8 Vantage 2018 款 4.0T V8')
    self.pushButton.clicked.connect(self.btnstate)
def btnstate(self):
    ui = ReTbmm()
    ui.Retbmm()
    self.path = cdir + "/mrsoft"
    dirs = os.listdir(self.path)
    for dir in dirs:
        QTreeWidgetItem(self.root).setText(0,dir)
    self.treeView.clicked.connect(self.onTreeClicked)
def onTreeClicked(self):
    items = self.treeView.currentItem()
    if items.text(0) == "V8 Vantage 2018 款 4.0T V8":
        self.root.takeChild()
        dirs = os.listdir(self.path)
        for dir in dirs:
            QTreeWidgetItem(self.root).setText(0,dir)

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        self.treeView.clicked.connect(self.onTreeClicked)
    else:
        while self.gridLayout.count():
            item = self.gridLayout.takeAt(0)
            widget = item.Widget()
            widget.deleteLater()
        filenames = []
        for filename in os.listdir(cdir + '/mrsoft'+ items.text(0)):
            filenames.append(filename)
        i = -1
        for n in range(len(filenames)):
            x = n % 3
            if(x==0):
                i+=1
            self.widget = QWidget()
            self.widget.setGeometry(QtCore.QRect(110,40,350,300))
            self.widget.setObjectName("widget"+str(n))
            self.label= QLabel(self.widget)
            self.label.setGeometry(QtCore.QRect(0,0,350,300))
            self.label.setPixmap(QPixmap(self.path+'/' + items.text(0)+'/'+filenames[n]))
            self.label.setScaledContents(True)
            self.label.setObjectName('label'+str(n))
            self.commandLinkButton = QCommandLinkButton(self.widget)
            self.commandLinkButton.setGeometry(QtCore.QRect(0,0,111,41))
            self.commandLinkButton.setText(filenames[n])
            self.commandLinkButton.setObjectName("label "+str(n))
            self.commandLinkButton.clicked.connect(lambda: self.wichbtn(self.path +
                '/' + items.text(0) + '/'))
            self.gridLayout.addWidget(self.widget,i,x)
            self.scrollArea_2.setWidget(self.scrollAreaWidgetContents_2)
            self.verticalLayout.addWidget(self.scrollArea_2)
            self.scrollAreaWidgetContents_2.setMinimumWidth(800)
            self.scrollAreaWidgetContents_2.setMinimumHeight(i*300)
        pass
    def wichbtn(self,tppath):
        sender = self.gridLayout.sender()
        img = Image.open(tppath+sender.text())
        img.show()

class FirstWindow(object):
    def setupUi(self, Form):
        Form.setObjectName("Form")
        Form.resize(333, 267)
        self.widget = QtWidgets.QWidget(Form)

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self.widget.setGeometry(QtCore.QRect(80, 30, 135, 142))
self.widget.setObjectName("widget")
self.verticalLayout = QtWidgets.QVBoxLayout(self.widget)
self.verticalLayout.setContentsMargins(0, 0, 0, 0)
self.verticalLayout.setObjectName("verticalLayout")
self.label = QtWidgets.QLabel(self.widget)
self.label.setObjectName("label")
self.verticalLayout.addWidget(self.label)
self.lineEdit = QtWidgets.QLineEdit(self.widget)
self.lineEdit.setObjectName("lineEdit")
self.verticalLayout.addWidget(self.lineEdit)
self.label_2 = QtWidgets.QLabel(self.widget)
self.label_2.setObjectName("label_2")
self.verticalLayout.addWidget(self.label_2)
self.lineEdit_2 = QtWidgets.QLineEdit(self.widget)
self.lineEdit_2.setObjectName("lineEdit_2")
self.verticalLayout.addWidget(self.lineEdit_2)
self.pushButton = QtWidgets.QPushButton(self.widget)
self.pushButton.setObjectName("pushButton")
self.verticalLayout.addWidget(self.pushButton)
self.pushButton_2 = QtWidgets.QPushButton(self.widget)
self.pushButton_2.setObjectName("pushButton_2")
self.verticalLayout.addWidget(self.pushButton_2)

self.retranslateUi(Form)
QtCore.QMetaObject.connectSlotsByName(Form)

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def retranslateUi(self, Form):
    _translate = QtCore.QCoreApplication.translate
    Form.setWindowTitle(_translate("Form", "登录"))
    self.label.setText(_translate("Form", "用户名 (mingri) "))
    self.label_2.setText(_translate("Form", "密码(666666)"))
    self.pushButton.setText(_translate("Form", "登录"))
    self.pushButton_2.setText(_translate("Form", "退出"))
#    登录
    self.pushButton.clicked.connect(self.onclick)
#    退出
    self.pushButton_2.clicked.connect(quit)

def onclick(self):
    if self.lineEdit.text()=='mingri':
        if self.lineEdit_2.text()=='666666':
            MainWindow1.close()
            MainWindow.show()

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        else:
            self.lineEdit_2.setText('密码错误请重新输入')
    else:
        self.lineEdit.setText('用户名错误请重新输入')

if __name__ == '__main__':
    App = QApplication(sys.argv)
    MainWindow1 = QtWidgets.QMainWindow()
    cdir = os.getcwd()
    ex = FirstWindow()
    ex.setupUi(MainWindow1)
    MainWindow1.show()
    MainWindow = QtWidgets.QMainWindow()
    ui = Ui_Form()
    ui.setupUi(MainWindow)
    sys.exit(App.exec_())
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