import io  
import sys  
import sqlite3  
import datetime  
import os  
import random  
  
  
from PyQt6 import uic  
from PyQt6.QtWidgets import QApplication, QMainWindow, QTableWidgetItem, QTableWidget  
from PyQt6.QtGui import QPixmap  
  
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'''  
  
class ZWindow(QMainWindow):  
 def \_\_init\_\_(self, parent=None):  
 pr\_texrt = 0  
 super(ZWindow, self).\_\_init\_\_(parent)  
 self.textEdit = None  
 self.dateEdit = None  
 f = io.StringIO(zamform)  
 uic.loadUi(f, self)  
 self.openz()  
 self.calendarWidget.clicked.connect(self.openz)  
 self.pushButton\_2.clicked.connect(self.savez)  
 self.comboBox.currentTextChanged.connect(self.openz1)  
  
 def updnom(self):  
 ff1 = []  
 self.comboBox.clear()  
 self.textEdit.setText('')  
 ff = os.listdir('c:\\Zametkodel\\Заметки\\')  
 for el in ff:  
 el1 = el[1:9]  
 if el1 == format(self.calendarWidget.selectedDate().toString('ddMMyyyy')):  
 ff1.append(el[10:11])  
 if ff1 == []:  
 ff1.append('1')  
 else:  
 i = int(max(ff1))  
 i += 1  
 ff1.append(str(i))  
 self.comboBox.addItems(ff1)  
  
 def openz(self):  
 self.updnom()  
 nomf = self.comboBox.currentText()  
 self.textEdit.setText('')  
 st = 'c:\\Zametkodel\\Заметки\\з' + format(self.calendarWidget.selectedDate().toString('ddMMyyyy')) + '\_' + nomf +'.txt'  
 if os.path.isfile(st):  
 f = open(st,'r')  
 self.textEdit.setText(f.read())  
 f.close  
  
 def openz1(self):  
 nomf = self.comboBox.currentText()  
 self.textEdit.setText('')  
 st = 'c:\\Zametkodel\\Заметки\\з' + format(self.calendarWidget.selectedDate().toString('ddMMyyyy')) + '\_' + nomf + '.txt'  
 if os.path.isfile(st):  
 f = open(st, 'r')  
 self.textEdit.setText(f.read())  
 f.close  
  
 def savez(self):  
 nomf = self.comboBox.currentText()  
 text = self.textEdit.toPlainText()  
 st = 'c:\\Zametkodel\\Заметки\\з' + format(self.calendarWidget.selectedDate().toString('ddMMyyyy')) + '\_' + nomf + '.txt'  
 f = open(st,'w')  
 f.write(text)  
 self.updnom()  
  
class SOWindow(QMainWindow):  
 def \_\_init\_\_(self, parent=None):  
 super(SOWindow, self).\_\_init\_\_(parent)  
 f = io.StringIO(sobForm)  
 uic.loadUi(f, self)  
 self.con = sqlite3.connect("my\_database.db")  
 self.update\_result\_s()  
 self.tableWidget.itemChanged.connect(self.item\_changed1s)  
 self.pushButton.clicked.connect(self.add\_results1s)  
 self.pushButton\_2.clicked.connect(self.del\_results1s)  
 self.modified = {}  
 self.titles = None  
  
 def item\_changed1s(self, item):  
 t = item.text()  
 c = item.column()  
 if c != 0:  
 v = item.row()  
 cur = self.con.cursor()  
 d = self.tableWidget.item(v, 0).text()  
 if c == 1:  
 que = "UPDATE task SET datn = ? where id\_task= ?"  
 if c == 2:  
 que = "UPDATE task SET datk = ? where id\_task= ?"  
 if c == 3:  
 que = "UPDATE task SET sob = ? where id\_task= ?"  
  
 cur.execute(que, (t,d,))  
 self.con.commit()  
 self.modified.clear()  
  
 def update\_result\_s(self):  
 cur = self.con.cursor()  
 result = cur.execute("select id\_task, datn, datk, sob from task order by datn, datk").fetchall()  
 if not result:  
 self.statusBar().showMessage('Ничего не нашлось')  
 return  
 else:  
 self.statusBar().showMessage('')  
 self.tableWidget.setRowCount(len(result))  
 self.tableWidget.setColumnCount(len(result[0]))  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget.setItem(i, j, QTableWidgetItem(str(val)))  
 self.tableWidget.setHorizontalHeaderItem(0, QTableWidgetItem(' '))  
 self.tableWidget.setHorizontalHeaderItem(1, QTableWidgetItem('Дата начала'))  
 self.tableWidget.setHorizontalHeaderItem(2, QTableWidgetItem('Дата окончания'))  
 self.tableWidget.setHorizontalHeaderItem(3, QTableWidgetItem('О чем напомнить'))  
 self.tableWidget.setColumnWidth(1, 100)  
 self.tableWidget.setColumnWidth(2, 100)  
 self.tableWidget.setColumnWidth(3, 400)  
 self.modified = {}  
  
 def add\_results1s(self):  
 cur = self.con.cursor()  
 que = "insert into task(id\_task) select max(id\_task) from (select max(id\_task) + 1 id\_task from task union all select count(\*)+1 from task)"  
 cur.execute(que)  
 self.con.commit()  
 self.modified.clear()  
 self.update\_result\_s()  
  
 def del\_results1s(self):  
 rows = list(set([i.row() for i in self.tableWidget.selectedItems()]))  
 if rows != []:  
 ids1 = rows[0]  
 d = self.tableWidget.item(ids1, 0).text()  
 cur = self.con.cursor()  
 que = "delete from task where id\_task= ? "  
 cur.execute(que, (d,))  
 self.con.commit()  
 self.update\_result\_s()  
  
  
  
  
  
class Q2Window(QMainWindow):  
 def \_\_init\_\_(self, parent=None):  
 super(Q2Window, self).\_\_init\_\_(parent)  
 f = io.StringIO(lll)  
 uic.loadUi(f, self)  
 self.con = sqlite3.connect("my\_database.db")  
 self.update\_result1()  
 self.tableWidget.itemChanged.connect(self.item\_changed1)  
 self.pushButton.clicked.connect(self.add\_results1)  
 self.pushButton\_2.clicked.connect(self.del\_results1)  
 self.modified = {}  
 self.titles = None  
  
  
 def add\_results1(self):  
 cur = self.con.cursor()  
 que = "insert into present(id, id\_pr) select max(id), max(id\_pr) from (select id, max(id\_pr) + 1 id\_pr from present where id=? group by id union all select id, 1 from frends where id=? group by id)"  
 cur.execute(que,(nom\_pr,nom\_pr,))  
 self.con.commit()  
 self.modified.clear()  
 self.update\_result1()  
  
 def del\_results1(self):  
 rows = list(set([i.row() for i in self.tableWidget.selectedItems()]))  
 if rows:  
 ids1 = rows[0]  
 d = self.tableWidget.item(ids1, 0).text()  
 cur = self.con.cursor()  
 que = "delete from present where id= ? and id\_pr=?"  
 cur.execute(que, (nom\_pr, d,))  
 self.con.commit()  
 self.update\_result1()  
  
  
 def item\_changed1(self, item):  
 t = item.text()  
 c = item.column()  
 if c == 1:  
 v = item.row()  
 cur = self.con.cursor()  
 d = self.tableWidget.item(v, 0).text()  
 que = "UPDATE present SET name\_present = ? where id= ? and id\_pr=?"  
 cur.execute(que, (t,nom\_pr,d,))  
 self.con.commit()  
 self.modified.clear()  
  
  
 def update\_result1(self):  
 cur = self.con.cursor()  
 result = cur.execute("SELECT id\_pr, name\_present FROM present where id=?", (item\_id := nom\_pr,)).fetchall()  
 if not result:  
 self.statusBar().showMessage('Ничего не нашлось')  
 return  
 else:  
 self.statusBar().showMessage('')  
 self.tableWidget.setRowCount(len(result))  
 self.tableWidget.setColumnCount(len(result[0]))  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget.setItem(i, j, QTableWidgetItem(str(val)))  
 self.tableWidget.setHorizontalHeaderItem(0, QTableWidgetItem(' '))  
 self.tableWidget.setHorizontalHeaderItem(1, QTableWidgetItem('Варианты подарков'))  
 self.tableWidget.setColumnWidth(1,300)  
 self.modified = {}  
  
  
class QWindow(QMainWindow):  
 def \_\_init\_\_(self, parent=None):  
 super(QWindow, self).\_\_init\_\_(parent)  
 f = io.StringIO(tabley)  
 uic.loadUi(f, self)  
 self.con = sqlite3.connect("my\_database.db")  
 self.update\_result()  
 self.tableWidget.itemChanged.connect(self.item\_changed)  
 self.pushButton\_2.clicked.connect(self.present)  
 self.pushButton.clicked.connect(self.add\_results)  
 self.pushButton\_3.clicked.connect(self.del\_results)  
 self.modified = {}  
 self.titles = None  
  
 def present(self):  
 rows = list(set([i.row() for i in self.tableWidget.selectedItems()]))  
 if rows !=[]:  
 ids1 = rows[0]  
 global nom\_pr  
 nom\_pr = self.tableWidget.item(ids1, 0).text()  
 self.ex = Q2Window()  
 self.ex.show()  
  
 def add\_results(self):  
 cur = self.con.cursor()  
 que = "insert into frends(id, fam) select max(id) + 1, 'None' from frends"  
 cur.execute(que)  
 self.con.commit()  
 self.modified.clear()  
 self.update\_result()  
  
 def del\_results(self):  
 rows = list(set([i.row() for i in self.tableWidget.selectedItems()]))  
 ids = [self.tableWidget.item(i, 0).text() for i in rows]  
 cur = self.con.cursor()  
 cur.execute("DELETE FROM frends WHERE id IN (" + ", ".join('?' \* len(ids)) + ")", ids)  
 self.con.commit()  
 self.update\_result()  
  
 def update\_result(self):  
 cur = self.con.cursor()  
 result = cur.execute("SELECT frends.\* FROM frends").fetchall()  
 if not result:  
 return  
 else:  
 self.tableWidget.setRowCount(len(result))  
 self.tableWidget.setColumnCount(len(result[0]))  
 self.titles = [description[0] for description in cur.description]  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget.setItem(i, j, QTableWidgetItem(str(val)))  
 self.tableWidget.setHorizontalHeaderItem(0, QTableWidgetItem(' '))  
 self.tableWidget.setHorizontalHeaderItem(1, QTableWidgetItem('Фамилия'))  
 self.tableWidget.setHorizontalHeaderItem(2, QTableWidgetItem('Имя'))  
 self.tableWidget.setHorizontalHeaderItem(3, QTableWidgetItem('Отчество'))  
 self.tableWidget.setHorizontalHeaderItem(4, QTableWidgetItem('Дата рождения'))  
 self.tableWidget.setHorizontalHeaderItem(5, QTableWidgetItem('Телефон'))  
 self.modified = {}  
  
 def item\_changed(self, item):  
 t = item.text()  
 c = item.column()  
 if c != 0:  
 v = item.row()  
 cur = self.con.cursor()  
 d = self.tableWidget.item(v, 0).text()  
 if c == 1:  
 que = "UPDATE frends SET fam = ? where id= ?"  
 if c == 2:  
 que = "UPDATE frends SET name = ? where id= ?"  
 if c == 3:  
 que = "UPDATE frends SET otch = ? where id= ?"  
 if c == 4:  
 que = "UPDATE frends SET datarojd = ? where id= ?"  
 if c == 5:  
 que = "UPDATE frends SET telef = ? where id= ?"  
 cur.execute(que, (t,d,))  
 self.con.commit()  
 self.modified.clear()  
 # self.modified[self.titles[item.column()]] = item.text()  
  
  
  
  
  
class FWindow(QMainWindow):  
 def \_\_init\_\_(self, parent=None):  
 super(FWindow, self).\_\_init\_\_(parent)  
 f = io.StringIO(startForm)  
 uic.loadUi(f, self)  
 st = 'c:\\Zametkodel\\Заметки\\sp.txt'  
 self.setMouseTracking(True)  
 if os.path.isfile(st):  
 f = open(st, 'r')  
 al = f.readlines()  
 i = random.randint(1,len(al))  
 self.label\_3.setText(al[i])  
 f.close  
  
 self.con = sqlite3.connect("my\_database.db")  
 self.update\_result()  
 self.pushButton\_2.clicked.connect(self.fr)  
 self.pushButton.clicked.connect(self.zm)  
 self.zametk.clicked.connect(self.zamsp)  
 self.update\_result()  
  
 def mouseMoveEvent(self, event):  
 self.update\_result()  
 def update\_result(self):  
 cur = self.con.cursor()  
 que = "select case when dd=date() then 'Сегодня - ' else 'На этой неделе - ' end || fam || ' ' || name || ' ' || datarojd || ' варианты подарков: ' || case when name\_pr is null then 'нет' else name\_pr end sp"  
 que += " from (select strftime('%Y',date()) || '-' || substr(datarojd,4,2) ||'-' ||substr(datarojd,1,2) dd, fam, name, datarojd, id from frends"  
 que += " where dd>=date() and dd<=date(date(), '7 days')) s left join (select id, group\_concat(name\_present,',') name\_pr from present group by id) p on s.id=p.id"  
 result = cur.execute(que).fetchall()  
 if not result:  
 st = 'c:\\Zametkodel\\Заметки\\k2.bmp'  
 pixmap = QPixmap(st)  
 self.label.setPixmap(pixmap)  
 else:  
 st = 'c:\\Zametkodel\\Заметки\\k5.bmp'  
 pixmap = QPixmap(st)  
 self.label.setPixmap(pixmap)  
 self.tableWidget\_2.setRowCount(len(result))  
 self.tableWidget\_2.setColumnCount(len(result[0]))  
 self.titles = [description[0] for description in cur.description]  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget\_2.setItem(i, j, QTableWidgetItem(str(val)))  
 self.modified = {}  
  
  
 cur = self.con.cursor()  
 que = "select sob from (select sob, substr(datn,7,4) || '-' || substr(datn,4,2) ||'-' ||substr(datn,1,2) ddn, case when datk ='' then substr(datn,7,4) || '-' || substr(datn,4,2) ||'-' ||substr(datn,1,2) else substr(datk,7,4) || '-' || substr(datk,4,2) ||'-' ||substr(datk,1,2) end ddk from task) where ddn<=date() and (ddk>=date() or ddk is null)"  
 result = cur.execute(que).fetchall()  
 if result:  
 self.tableWidget.setRowCount(len(result))  
 self.tableWidget.setColumnCount(len(result[0]))  
 self.titles = [description[0] for description in cur.description]  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget.setItem(i, j, QTableWidgetItem(str(val)))  
 self.modified = {}  
  
 cur = self.con.cursor()  
 que = "select case when dd=date() then 'Сегодня - ' else 'На этой неделе - ' end || dat || ' - ' || name\_h nn"  
 que += " from (select substr(dat,7,4) || '-' || substr(dat,4,2) ||'-' ||substr(dat,1,2) dd, dat, name\_h from holiday) where dd>=date() and dd<=date(date(), '7 days')"  
 result = cur.execute(que).fetchall()  
 if not result:  
 st1 = 'c:\\Zametkodel\\Заметки\\k2.bmp'  
 pixmap = QPixmap(st1)  
 self.label\_2.setPixmap(pixmap)  
 else:  
 st1 = 'c:\\Zametkodel\\Заметки\\k4.bmp'  
 pixmap = QPixmap(st1)  
 self.label\_2.setPixmap(pixmap)  
 self.tableWidget\_3.setRowCount(len(result))  
 self.tableWidget\_3.setColumnCount(len(result[0]))  
 self.titles = [description[0] for description in cur.description]  
 for i, elem in enumerate(result):  
 for j, val in enumerate(elem):  
 self.tableWidget\_3.setItem(i, j, QTableWidgetItem(str(val)))  
 self.modified = {}  
 pixmap = QPixmap(st1)  
 self.label\_2.setPixmap(pixmap)  
  
  
 def fr(self):  
 self.ex = QWindow()  
 self.ex.show()  
  
 def zm(self):  
 self.ex = SOWindow()  
 self.ex.show()  
  
 def zamsp(self):  
 self.ex = ZWindow()  
 self.ex.show()  
  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 app = QApplication(sys.argv)  
 #ex = FWindow()  
 ex = ZWindow()  
 ex.show()  
 sys.exit(app.exec())