

UNIVERSIDAD DE GUADALAJARA



CENTRO UNIVERSITARIO DE CIENCIAS EXACTAS E INGENIERÍAS

Sem. Algoritmia

Reporte de práctica

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Título de la práctica:	"Tarea 7. Interfaz con Pyqt"
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Introducción

La dinámica es la misma que con tkinter, hacer la interfaz del video y agregarle una funcionalidad extra

Metodología

```
166         self.pushButton.setPalette(palette)
167         font = QtGui.QFont()
168         font.setPointSize(10)
169         self.pushButton.setFont(font)
170         self.pushButton.setCursor(QtGui.QCursor(QtCore.Qt.ArrowCursor))
171         self.pushButton.setContextMenuPolicy(QtCore.Qt.DefaultContextMenu)
172         self.pushButton.setAutoFillBackground(False)
173         self.pushButton.setStyleSheet("alternate-background-color: rgb(0, 0, 0);\n"
174 | "border-top-color: rgb(0, 0, 0);\n"
175 | "border-color: rgb(0, 0, 0);")
176         self.pushButton.setObjectName("pushButton")
177         self.tableWidget = QtWidgets.QTableWidget(self.centralwidget)
178         self.tableWidget.setGeometry(QtCore.QRect(60, 280, 701, 192))
179         self.tableWidget.setStyleSheet("background-color: rgb(255, 255, 255);")
180         self.tableWidget.setObjectName("tableWidget")
181         self.tableWidget.setColumnCount(0)
182         self.tableWidget.setRowCount(0)
183         self.textEdit = QtWidgets.QTextEdit(self.centralwidget)
184         self.textEdit.setGeometry(QtCore.QRect(60, 70, 261, 191))
185         self.textEdit.setStyleSheet("background-color: rgb(255, 255, 255);")
186         self.textEdit.setObjectName("textEdit")
187         self.textEdit_2 = QtWidgets.QTextEdit(self.centralwidget)
188         self.textEdit_2.setGeometry(QtCore.QRect(490, 70, 261, 191))
189         self.textEdit_2.setStyleSheet("background-color: rgb(255, 255, 255);")
190         self.textEdit_2.setObjectName("textEdit_2")
191         self.dial_2 = QtWidgets.QDial(self.centralwidget)
192         self.dial_2.setGeometry(QtCore.QRect(500, 160, 81, 81))
193         self.dial_2.setStyleSheet("background-color: rgb(50, 0, 0);")
194         self.dial_2.setObjectName("dial_2")
195         self.label = QtWidgets.QLabel(self.centralwidget)
196         self.label.setGeometry(QtCore.QRect(240, 10, 421, 16))
197         font = QtGui.QFont()
198         font.setBold(True)
199         font.setWeight(75)
200         self.label.setFont(font)
201         self.label.setObjectName("label")
202         self.label_2 = QtWidgets.QLabel(self.centralwidget)
203         self.label_2.setGeometry(QtCore.QRect(90, 480, 631, 16))
204         font = QtGui.QFont()
205         font.setFamily("Georgia")
206         font.setBold(True)
207         font.setWeight(75)
```

```

207 font.setWeight(75)
208 self.label_2.setFont(font)
209 self.label_2.setObjectName("Label_2")
210 self.dial_3 = QtWidgets.QDial(self.centralwidget)
211 self.dial_3.setGeometry(QtCore.QRect(70, 160, 81, 81))
212 self.dial_3.setStyleSheet("background-color: rgb(50, 0, 0);")
213 self.dial_3.setObjectName("dial_3")
214 self.label_3 = QtWidgets.QLabel(self.centralwidget)
215 self.label_3.setGeometry(QtCore.QRect(70, 40, 241, 16))
216 font = QtGui.QFont()
217 font.setFamily("Georgia")
218 font.setPointSize(15)
219 font.setBold(True)
220 font.setWeight(75)
221 self.label_3.setFont(font)
222 self.label_3.setStyleSheet("background-color: rgb(50, 0, 0);")
223 self.label_3.setObjectName("Label_3")
224 self.label_4 = QtWidgets.QLabel(self.centralwidget)
225 self.label_4.setGeometry(QtCore.QRect(500, 40, 241, 16))
226 font = QtGui.QFont()
227 font.setFamily("Georgia")
228 font.setPointSize(15)
229 font.setBold(True)
230 font.setWeight(75)
231 self.label_4.setFont(font)
232 self.label_4.setStyleSheet("background-color: rgb(50, 0, 0);")
233 self.label_4.setObjectName("Label_4")
234 self.label_5 = QtWidgets.QLabel(self.centralwidget)
235 self.label_5.setGeometry(QtCore.QRect(0, 0, 111, 31))
236 self.label_5.setObjectName("Label_5")
237 self.label_6 = QtWidgets.QLabel(self.centralwidget)
238 self.label_6.setGeometry(QtCore.QRect(670, 660, 131, 20))
239 self.label_6.setObjectName("Label_6")
240 self.label_7 = QtWidgets.QLabel(self.centralwidget)
241 self.label_7.setGeometry(QtCore.QRect(320, 520, 191, 31))
242 self.label_7.setObjectName("Label_7")
243 self.NUM1 = QtWidgets.QTextBrowser(self.centralwidget)
244 self.NUM1.setGeometry(QtCore.QRect(120, 560, 141, 91))
245 self.NUM1.setStyleSheet("background-color: qconicalgradient(cx:0, cy:0, angle:135, stop:0 rgb(50, 0, 0), stop:1 rgb(255, 255, 255));")
246 self.NUM1.setObjectName("NUM1")
247 self.NUM2 = QtWidgets.QTextBrowser(self.centralwidget)
248 self.NUM2.setGeometry(QtCore.QRect(330, 560, 141, 91))
249 self.NUM2.setStyleSheet("background-color: qradialgradient(spread:pad, cx:0.5, cy:0.5, radius:1, stop:0 rgb(50, 0, 0), stop:1 rgb(255, 255, 255));")
250 self.NUM2.setObjectName("NUM2")

```

Ahí en esas líneas cambie los estilos

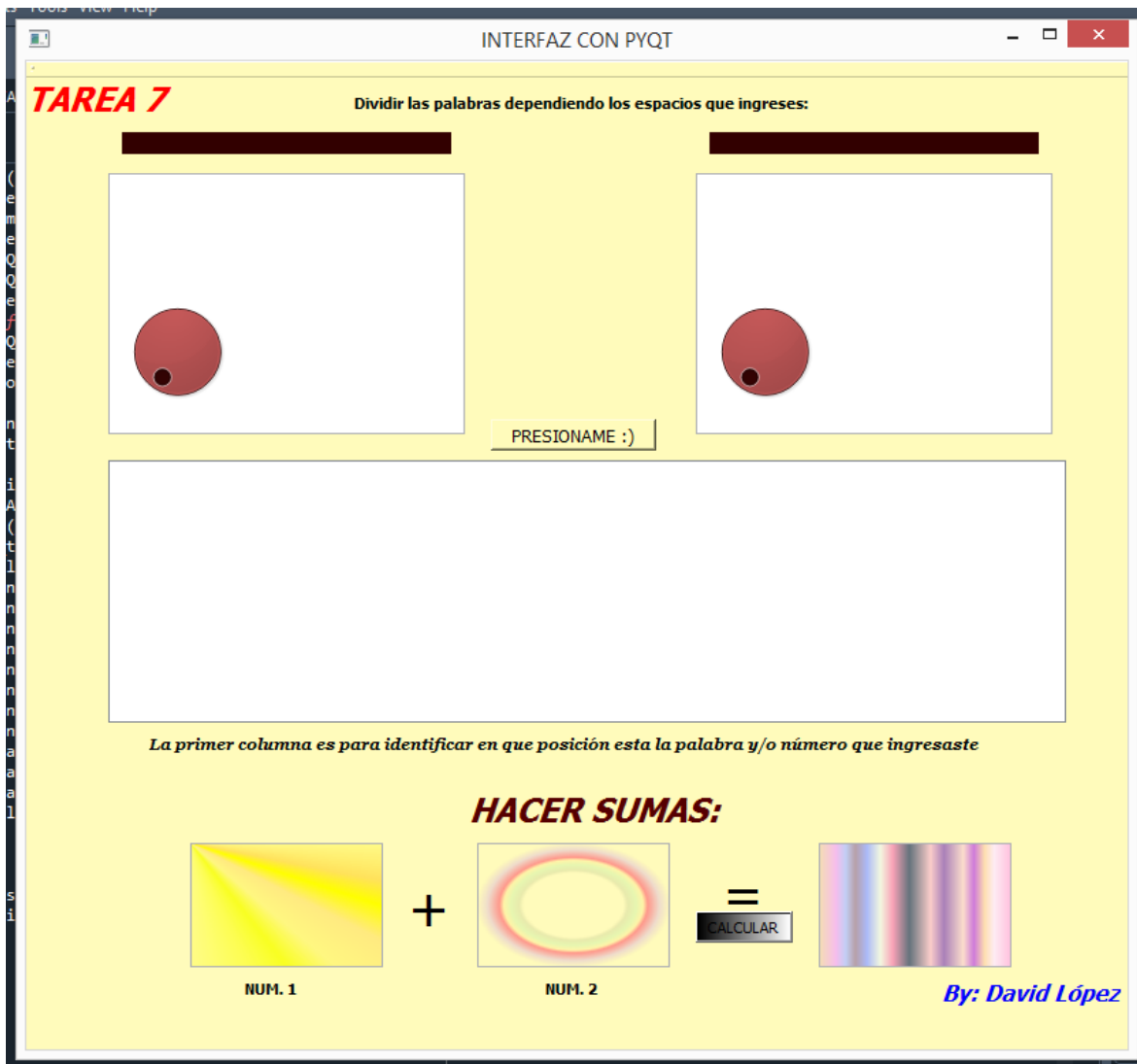
```

def retranslateUi(self, MainWindow):
    _translate = QtCore.QCoreApplication.translate
    MainWindow.setWindowTitle(_translate("MainWindow", "INTERFAZ CON PYQT"))
    self.pushButton.setText(_translate("MainWindow", "PRESIONAME :))"))
    self.label.setText(_translate("MainWindow", "Dividir las palabras dependiendo los espacios que ingreses:"))
    self.label_2.setText(_translate("MainWindow", "<html><head></body><p><span style='font-style:italic;'>La primer columna es para iden"))
    self.label_3.setText(_translate("MainWindow", " "))
    self.label_4.setText(_translate("MainWindow", " "))
    self.label_5.setText(_translate("MainWindow", "<html><head></body><p><span style='font-size:18pt; font-weight:600; font-style:italic;"))
    self.label_6.setText(_translate("MainWindow", "<html><head></body><p><span style='font-size:12pt; font-weight:600; font-style:italic;"))
    self.label_7.setText(_translate("MainWindow", "<html><head></body><p align='center'><span style='font-size:18pt; font-weight:600; f"))
    self.label_8.setText(_translate("MainWindow", "NUM. 1"))
    self.label_9.setText(_translate("MainWindow", "NUM. 2"))
    self.label_10.setText(_translate("MainWindow", "+"))
    self.label_11.setText(_translate("MainWindow", "="))
    self.CALCULAR.setText(_translate("MainWindow", "CALCULAR"))
    self.toolBar.setWindowTitle(_translate("MainWindow", "toolBar"))

```

Ahí para poner el texto, los botones, etc...

Resultados



Conclusiones

La práctica ya que el profesor explica paso a paso cada procedimiento a seguir.