



**CENTRO UNIVERSITARIO DE CIENCIAS EXACTAS E  
INGENIERIAS (CUCEI)**

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**MATERIA: DISEÑO DE INTERFACES**

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**PUNTOS EXTRAS**

## RESUMEN

Crear un archivo txt de configuración y leerlo al inicio del programa para actualizar las variables importantes. Comenzar del ejemplo 17.

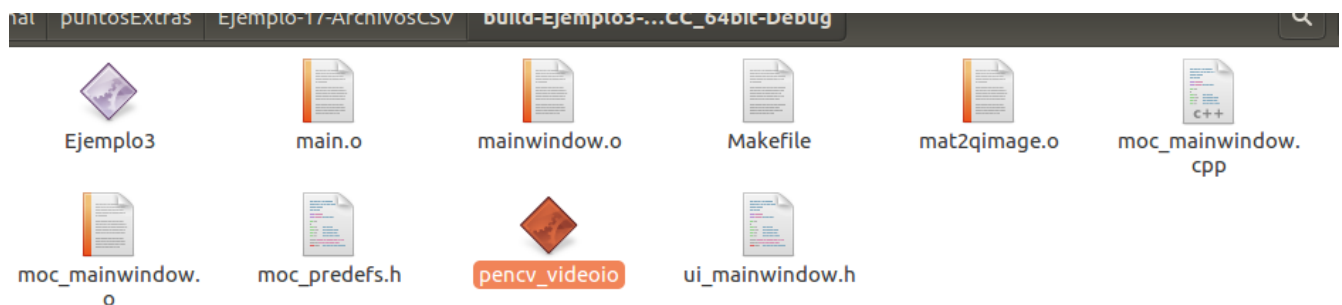
## INTRODUCCION

### Paso 1

cargar el programa




### Paso 2 introducir datos



Se observa que no se ha creado ninguna carpeta aun en el proyecto

MainWindow

TextLabel



Nombre completo: Ana Cristina Lopez Garcia

A quién visita: Lic. Eduardo Mora

Empresa: Electronica Avanzada

Fecha/hora: vie. oct 6 2017 21:28:04

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Numero: 1342567


Ingresar

actualizar

le apretamos al boton ingresar

MainWindow

TextLabel



Nombre completo:

A quién visita:

Empresa:

Fecha/hora: vie. oct 6 2017 21:28:54

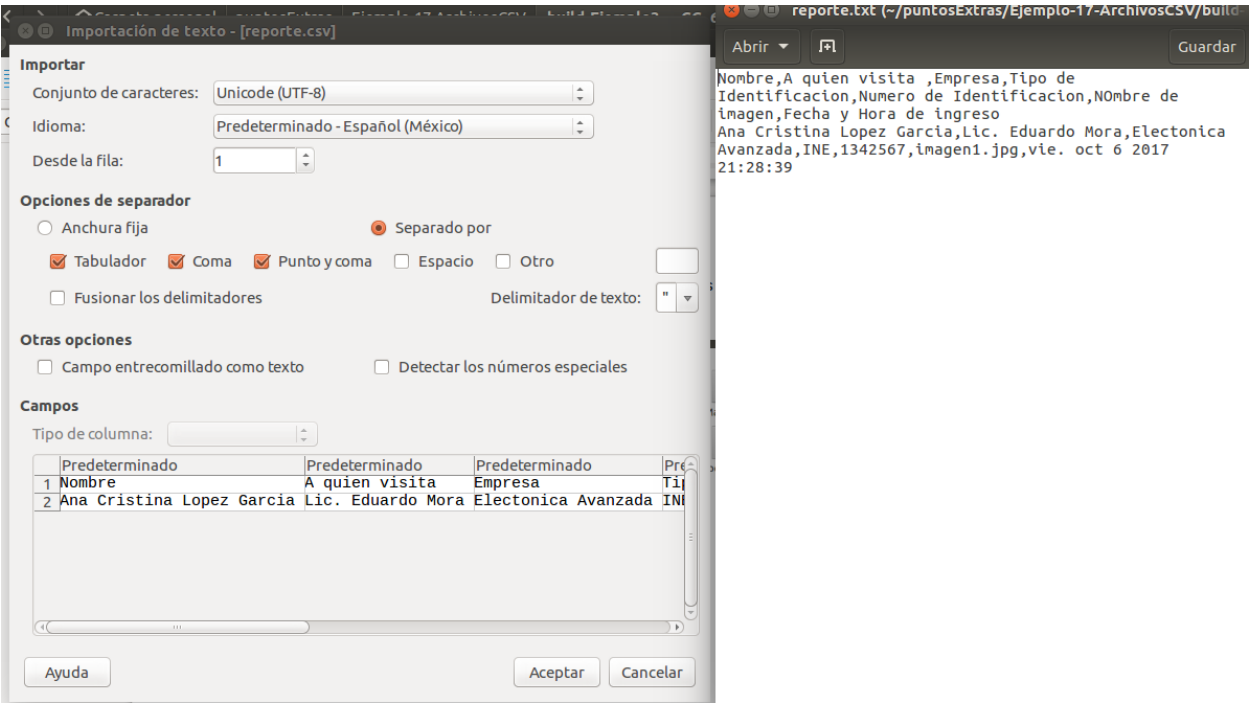
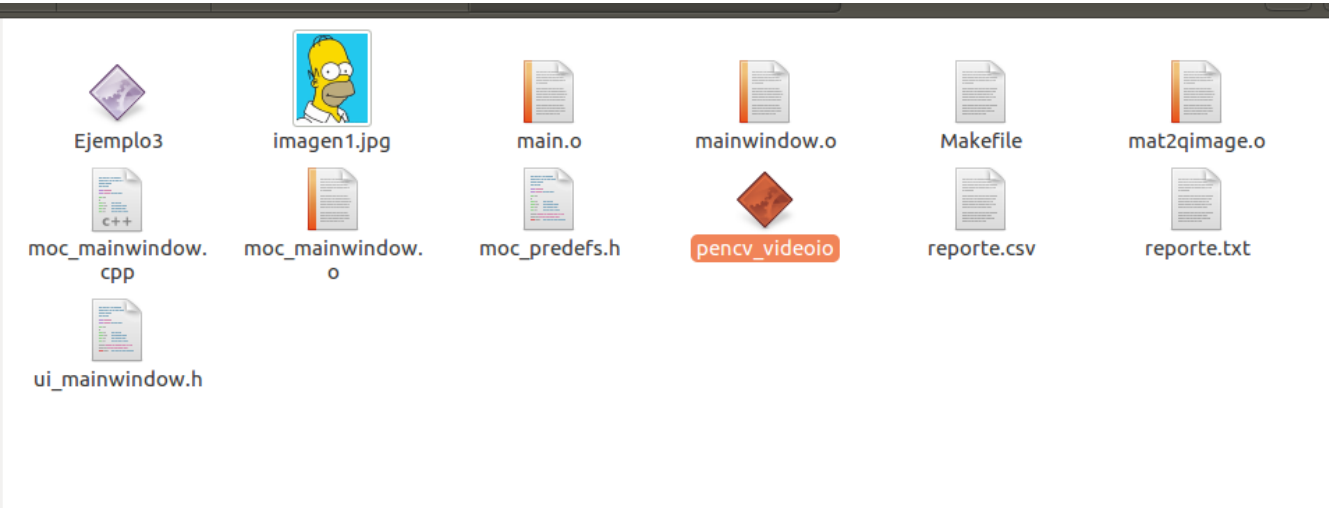
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Numero:

Ingresar

actualizar


una vez ingresados los datos se limpian los datos y se crean las carpetas tanto de archivo csv como de el de txt de configuracion



Apretamos el boton actualizar

MainWindow

TextLabel



Nombre completo

A quién visita

Empresa

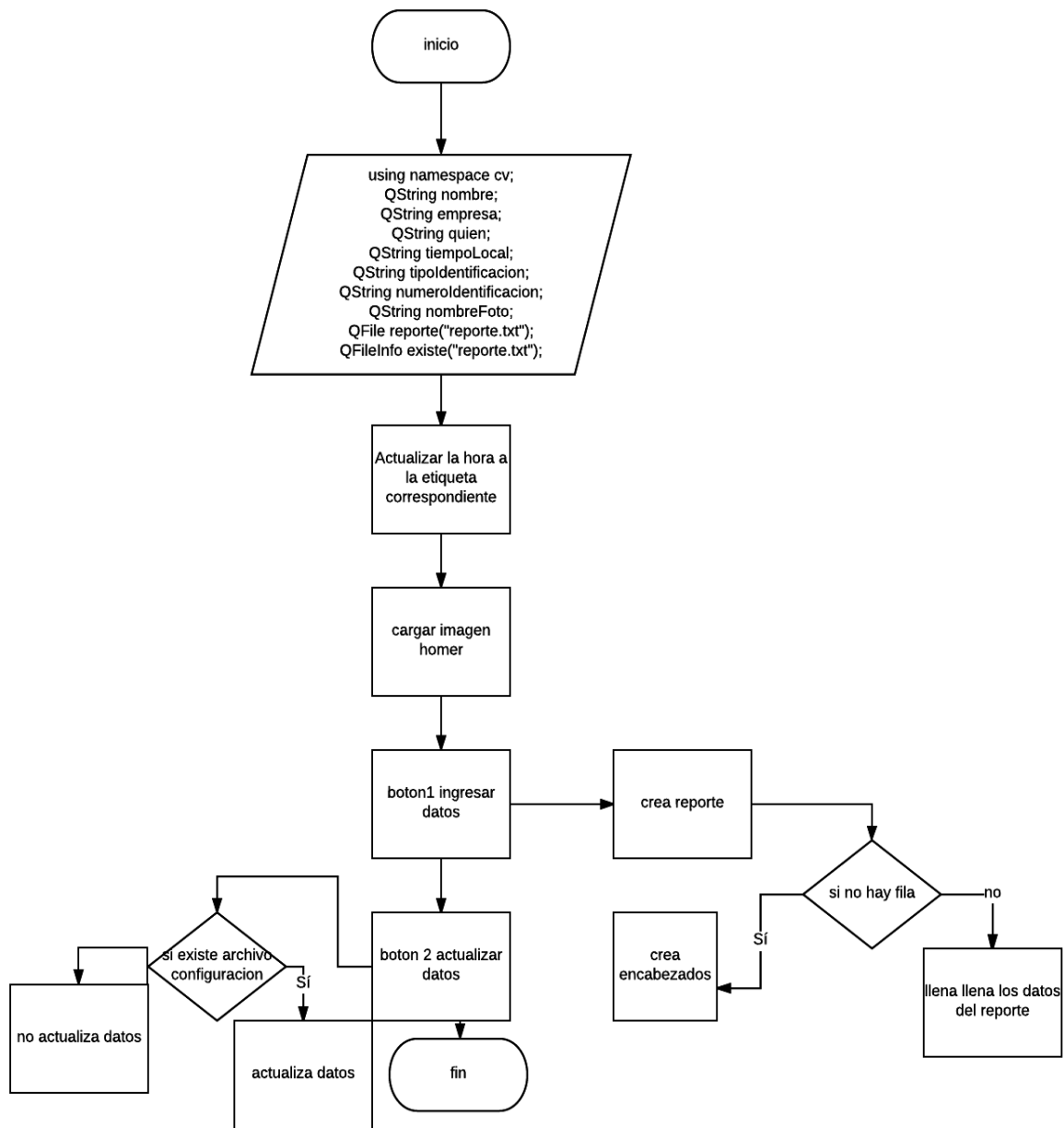
Fecha/hora

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Numero

lee los datos y los carga en los line edit

diagrama de flujo



codigo

```

//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%librerias%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

#include<opencv2/core/core.hpp>
#include<opencv2/ml/ml.hpp>
#include<opencv/cv.h>
#include<opencv2/imgproc/imgproc.hpp>
#include<opencv2/highgui/highgui.hpp>

```

```

#include<opencv2/video/background_segm.hpp>
#include<opencv2/videoio.hpp>
#include<opencv2/imgcodecs.hpp>
#include<qdebug.h>
#include<QTimer>
#include <QDateTime>
#include <QTime>
#include <QDate>
#include <QFile>
#include <QFileInfo>
#include <QTextStream>
#include <QMessageBox>

//cv::VideoCapture camara(1);

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% variables globales utilizadas %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

using namespace cv;
QString nombre;
QString empresa;
QString quien;
QString tiempoLocal;
QString tipoIdentificacion;
QString numeroIdentificacion;
QString nombreFoto;
QFile reporte("reporte.txt"); //%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% variable global para utilizar el
archivo con el segundo boton

QFileInfo existe("reporte.txt");

int contador = 0;
Mat IMAGEN;
//cv::VideoCapture camara("http://192.168.43.243:8080/video");
//cv::VideoCapture camara("http://192.168.43.1:8080/video");

void MainWindow::fTimer(){

    //Actualizar la hora a la etiqueta correspondiente
    QDate fecha1 = QDate::currentDate();
    QTime tiempo = QTime::currentTime();
    QString fecha = fecha1.toString() + " " + tiempo.toString();
    tiempoLocal = fecha;
    ui->label_6->setText(fecha);

    Mat IMAGEN2;
    // if(camara.isOpened()){
    //camara >> IMAGEN;
    IMAGEN = cv::imread("../img/homer.jpg");
    cv::resize(IMAGEN, IMAGEN2, Size(138,177),0,0,0);
    QImage qImage = Mat2QImage(IMAGEN2);
    QPixmap pixmap = QPixmap::fromImage(qImage);
    ui->label->clear();
    ui->label->setPixmap(pixmap);
    // }
}

```

```

MainWindow::MainWindow(QWidget *parent) :
    QMainWindow(parent),
    ui(new Ui::MainWindow)
{

    ui->setupUi(this);

    ui->radioButton->setChecked(true);

    QTimer *cronometro=new QTimer(this);
    connect(cronometro, SIGNAL(timeout()), this, SLOT(fTimer()));
    cronometro->start(30);

    //if(!camara.isOpened()) camara("http://192.168.43.243:8080/video");
    // if(!camara.isOpened()) camara.open("http://192.168.1.243:8080/video");

    //else          qDebug() << "No se abre la camara 22";
}

MainWindow::~MainWindow()
{
    delete ui;
}

void MainWindow::on_pushButton_clicked()
{

    contador++;
    ui->lcdNumber->display(contador);
    nombre = ui->lineEdit->text();
    quien = ui->lineEdit_2->text();
    empresa = ui->lineEdit_3->text();
    if(ui->radioButton->isChecked()) tipoIdentificacion = "INE";
    else if(ui->radioButton_2->isChecked()) tipoIdentificacion = "PASAPORTE";
    else if(ui->radioButton_3->isChecked()) tipoIdentificacion = "LICENCIA";
    else if(ui->radioButton_4->isChecked()) tipoIdentificacion = ui->lineEdit_4-
>text();
    numeroIdentificacion = ui->lineEdit_5->text();

    //%%%%%%%%%%%%%% archivo csv %%%%%%%%%%%%%%%5
    QFile reportecvs("reporte.csv");
    QFileInfo existecvs("reporte.csv");

    if(!existecvs.exists()){
        reportecvs.open(QIODevice::WriteOnly);
        QTextStream out(&reportecvs);
        out << "Nombre" << ",";
        out << "A quien visita " << ",";
        out << "Empresa" << ",";
        out << "Tipo de Identificacion" << ",";
        out << "Numero de Identificacion" << ",";
        out << "Nombre de imagen" << ",";
        out << "Fecha y Hora de ingreso \n";
        reportecvs.close();
    }

    if(existecvs.isFile() && existecvs.exists()){

```



```

if(reportecvs.open(QIODevice::WriteOnly | QIODevice::Append)){
    QTextStream out(&reportecvs);
    out << nombre.toUtf8().constData() << ",";
    out << quien.toUtf8().constData() << ",";
    out << empresa.toUtf8().constData() << ",";
    out << tipoIdentificacion.toUtf8().constData() << ",";
    out << numeroIdentificacion.toUtf8().constData() << ",";
    out << "imagen" << contador << ".jpg" << ",";
    out << tiempoLocal.toUtf8().constData() << "\n";
    reportecvs.close();
    //QString nombreImagen = "imagen"+   QString::number(contador)+".jpg";
    //cv::imwrite(nombreImagen.toUtf8().constData(), IMAGEN);
}

}
else{

}

//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% archivo configuracion %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%55

if(!existe.exists()){
    reporte.open(QIODevice::WriteOnly);
    QTextStream out(&reporte);
    out << "Nombre" << ",";
    out << "A quien visita " << ",";
    out << "Empresa" << ",";
    out << "Tipo de Identificacion" << ",";
    out << "Numero de Identificacion" << ",";
    out << "NOmbre de imagen" << ",";
    out << "Fecha y Hora de ingreso \n";
    reporte.close();
}

if(existe.isFile() && existe.exists()){
if(reporte.open(QIODevice::WriteOnly | QIODevice::Append)){
    QTextStream out(&reporte);
    out << nombre.toUtf8().constData() << ",";
    out << quien.toUtf8().constData() << ",";
    out << empresa.toUtf8().constData() << ",";
    out << tipoIdentificacion.toUtf8().constData() << ",";
    out << numeroIdentificacion.toUtf8().constData() << ",";
    out << "imagen" << contador << ".jpg" << ",";
    out << tiempoLocal.toUtf8().constData() << "\n";
    reporte.close();
    QString nombreImagen = "imagen"+   QString::number(contador)+".jpg";
    cv::imwrite(nombreImagen.toUtf8().constData(), IMAGEN);
}

}
else{

}
ui->lineEdit->clear();
ui->lineEdit_2->clear();
ui->lineEdit_3->clear(); //%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% se limpia los line edit cuando se termina
                        de ingresar los datos

```

```

        ui->lineEdit_4->clear();
        ui->lineEdit_5->clear();

        // if(!reporte.open(QIODevice::WriteOnly | QIODevice::Append)) qDebug() <<
        "Error 3210";

        //%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%5

    }

void MainWindow::on_pushButton_2_clicked()
{
    QFile configuracion("/home/janneth/puntosExtras/Ejemplo-17-ArchivosCSV/build-
    Ejemplo3-Desktop_Qt_5_9_1_GCC_64bit-Debug/reporte.txt");

    if(existe.isFile() && existe.exists()){ //%%% si hay un archivo existente entra la
    funcion
    if(reporte.open(QIODevice::ReadOnly | QIODevice::Text)){ //%%% se cambia por
    ReadOnly y Text%%%%
        QTextStream in(&reporte);

        in << nombre.toUtf8().constData() << ",";
        in << quien.toUtf8().constData() << ",";
        in << empresa.toUtf8().constData() << ",";
        in << tipoIdentificacion.toUtf8().constData() << ",";
        in << numeroIdentificacion.toUtf8().constData() << ",";
        in << "imagen" << contador << ".jpg" << ",";
        in << tiempoLocal.toUtf8().constData() << "\n";

        ui->lineEdit->setText(nombre); // cuando los lee, le pasa los valores al line edit
        ui->lineEdit_2->setText(quien);
        ui->lineEdit_3->setText(empresa);
        ui->lineEdit_4->setText(tipoIdentificacion);
        ui->lineEdit_5->setText(numeroIdentificacion);
        reporte.close();
        // QString nombreImagen = "imagen"+ QString::number(contador)+".jpg";
        // cv::imwrite(nombreImagen.toUtf8().constData(),IMAGEN);

    }

}

}

}

```