当前阶段任务：

Mr. Liu, we can follow up this procedure to achieve our goal.

Tasks we're going to carry out: Video data collection in classrooms

Current tasks:

1. Enrolling students into the current attendance system

3. Recording the video of each student's face including their ID for up to 5 seconds.

The ID will be used as a filename for the recorded face since it will be used as a label for fine-tuning the face recognition model later.

1. Design a simple character extractor model that can extract the ID while recording the face.

现阶段设计思路（帮我判断是否可行）：

1. 利用QT designer设计出一个前端界面，能够显示摄像头采集到的实时画面，并有按钮，可以点击“开始”、“停止”、“退出”，保证采集5秒左右视频时也能够“自动停止”。
2. 设计sqlite3数据库作为后端进行数据存储，主键可以设计成学生ID

我的任务添加了三个要求，如下：

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1. Lets make the form more flexible (maximizable and minimizable)

2. Lets make the start button add one more functionality (let embed OCR model to extract the students ID and automatically save the video using the ID\_timestamp)

3. Lets put the messages using green label on top of the frame

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我的需求是：

1. Qtdesigner设计的QMainWindow能够自由的缩放大小 具有最大化和最小化的功能
2. 调用现有的ocr函数
3. 将QMesageBox的弹窗转换为显示在界面中的一个绿色label

帮我分析以上的可行性，给出解决思路