Dialog

-View: QGraphicsView -Process1: Qprocess

-Scene: QGraphicsPixmapItem -Capture: VideoCapture

-Frame: Mat -Frame1: Mat -Image: Mat

-Cascade: CascadeClassifier -NestedCascade: CascadeClassifier

-Scale: Double

+DetectAndDraw(): void +LoadFiles(): void +Sendemail(): void

-On_PushButton_clicked(): void -On_PushButton_add_clicked(): void -On_PushButton_2_clicked(): void -On_PushButton_3_clicked(): void

MainWindow

+Userlist: vector <Qstring> +Passlist: vector <Qstring>

+InitDB(): void +ReadDB(): void

- On_PushButton_Clicked(): void

CascadeClassifier

+load(): void

+detectMultiScale(): void

Rect

+empty(): bool +size(): int

VideoCapture

+isOpened(): bool +Open(): void +Release(): void

Mat

+Empty(): bool +Clone(): void

> OpenCV Library

CURL

+ FROM: string + TO: String + CC: String

+curl_easy_init(): bool +curl_easy_setopt():void +curl_easy_perform:bool +curl_easy_cleanup():void

> LibCurl Library

QString

+ name: string

QGraphicsView

+setScene(): void +Scene(): void

Qprocess

+processEvents(): void

QGraphicsPixmapItem

+setPixmap(): void

Qt FrameWork