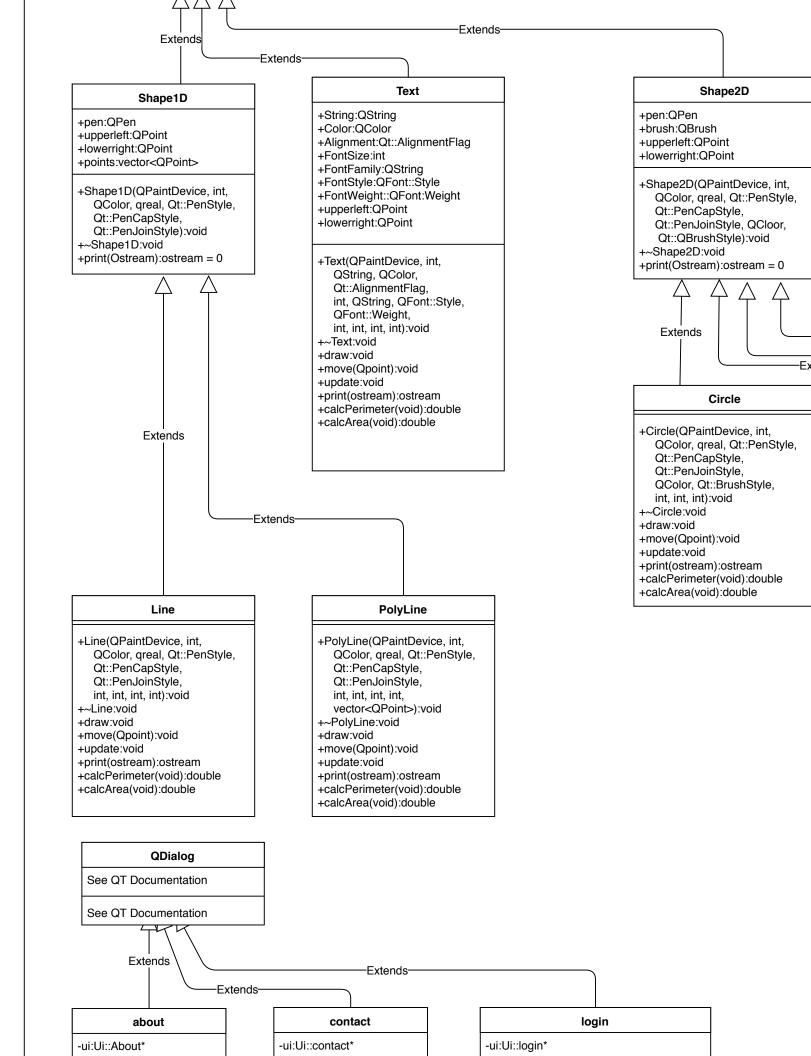
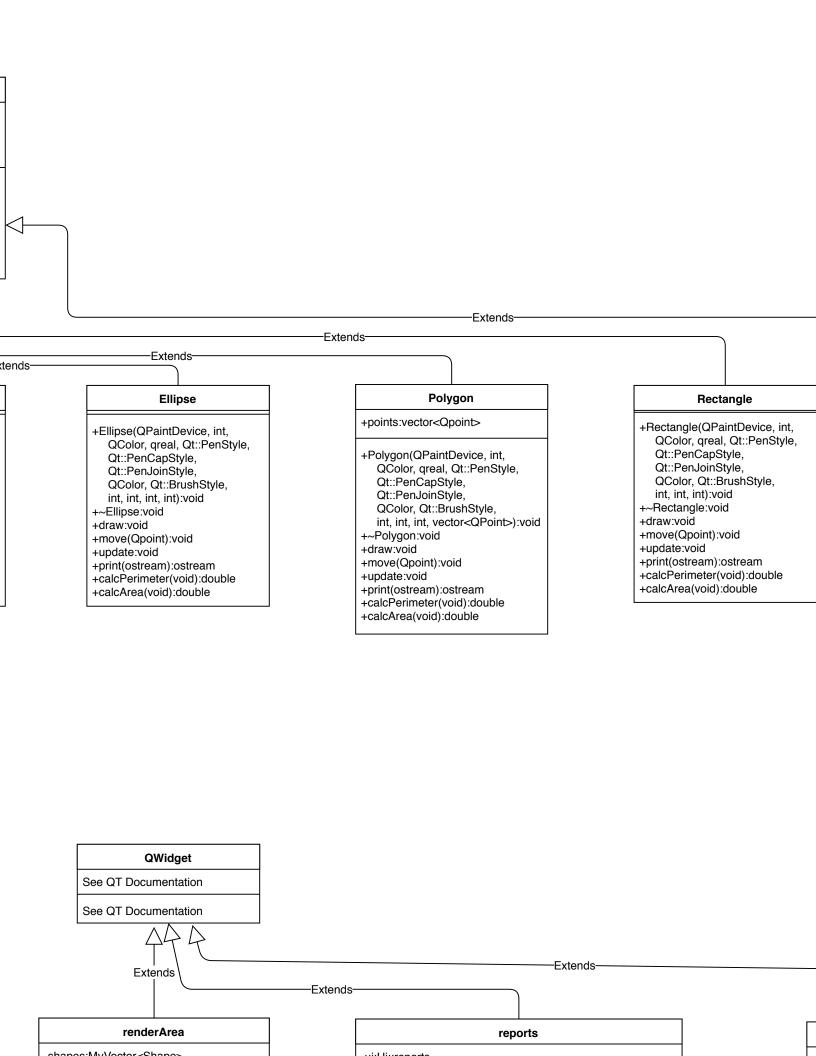
CS1C_ERKK Class Diagram MyVector<T> - m_nCurSize int -m_nAllocated int m_pEleIm<T> using iterator = <T *> usint const_iterator = const T * +MyVector(void):void Shape +MyVector(int, <T> = <T>():void+MyVector(const MyVector<T>&):void -device:QPaintDevice +~MyVector:void - shapeld:int +operator=(const MyVector<T>&):void -typeShape:shapeType +begin(void):iterator -painter:QPainter +begin(void):const_iterator +end(void:iterator #get_QPainter:QPainter +end(void):const_iterator #get_qPaintDevice +reserve(int):void +getID:int +insert(iterator, const T &):iterator +getShapeType:shapeType Relation +erase(iterator):iterator +Shape(QPaintDevice, int):void +operator[](int]:const T& +~Shape:void +size(void):int +draw:void = 0 0..n +capacity(void):int +move(Qpoint):void = 0+resize(int):void +update:void = 0+push_back(const T &):void +print(ostream):ostream = 0 +printAsDebug(void):void +calcPerimeter(void):double = 0 +calcArea(void):double = 0





Square

+Square(QPaintDevice, int, QColor, qreal, Qt::PenStyle, Qt::PenCapStyle, Qt::PenJoinStyle, QColor, Qt::BrushStyle, int, int, int):void

+~Square:void

+draw:void

+move(Qpoint):void +update:void

+print(ostream):ostream +calcPerimeter(void):double +calcArea(void):double

+about(QWidget *):void +~about():void +contact(QWidget *):void +~contact():void +login(QWidget *):void +~login():void +confirmUser(QString, QString):int +addUser(QString, QString, int):int -on_pushButton_login_clicked():void -on_pushButton_addUser_clicked():void

-renderA:renderArea
randarAraa(OWidgat *):void

- -renderArea(QWidget *):void
 -setShape(MyVector<Shape>*):void
- -getShape(int):Shape *
- -getShapes(void):MyVector<Shape>*
 -paintevent(QPaintEvent*):void

+reports(QWidget *, int):void

+~reports():void

-ui.oi..reports -sorter:int

#point QPoint

-isMouseDown:bool

+setSort(int):void

+setVector(MyVector<Shape *):void

-pShapeVector:MyVector<Shape>*

+show(void):void

+shapeToString(int):QString
#mousePressEvent(QMouseEvent *):void
#mouseReleaseEvent(QMouseEvent *):void

#mouseMoveEvent(QMouseEvent *):void
-on_pushButton_report_exit_clicked():void

-on_comboBox_report_sort_currentIndexChanged(int):void

ui:Ui::mainwindow
testimonials:Testimonials*
about:About*
contact:Contact*
reports:Reports*
pShapeVector:MyVector<Shape>*
--mainwindow(QWidget *):void
--mainwindow():void

-mainwindow(QWidget *):void -~mainwindow():void -setVector(MyVector<Shape *):void -showEvent(QShowEvent*):void various additional UI functions