# Developer Handbook

## Introduction

This developer handbook is designed to pass knowledge about the customer application from ToMartin. The application is designed to handle simple customer management with a small, file-based database.

## Changes

V 1.0 Optimized for memory- usage

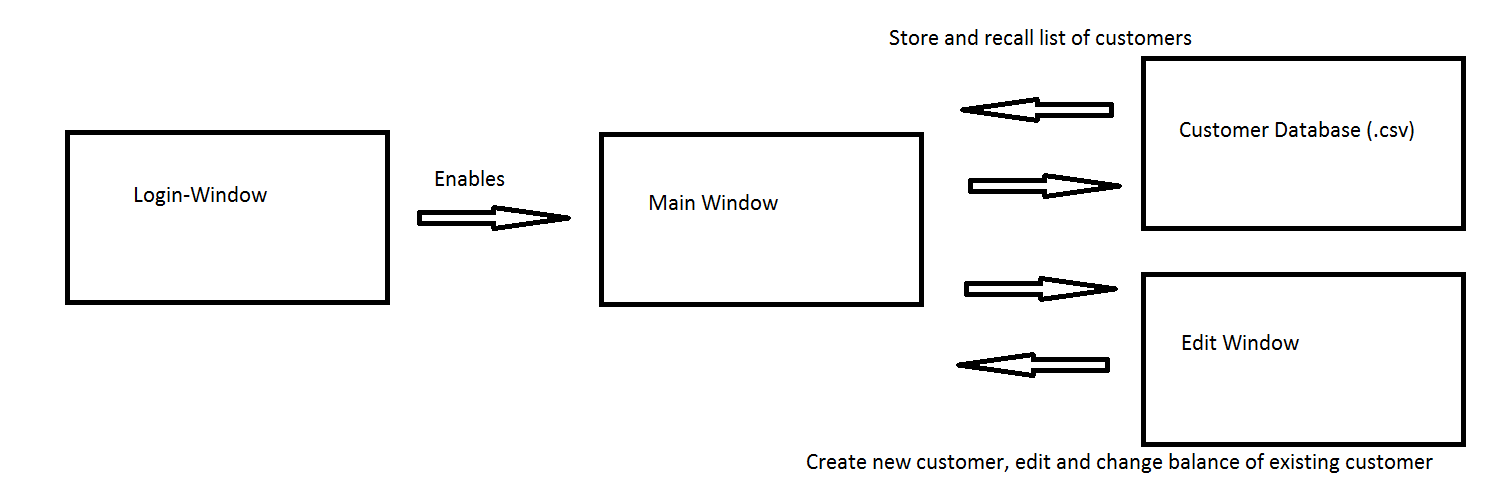
Each instance of a form is disposed after usage. Temporary variables for usage of fields/members of a variable are replaced by directly accessing the field/member.

## Structure of the customer application

The customer application consists of several components. It is divided into a main form where you can select from a list of customers, create a new one or change balance from a customer, a edit window where you can enter data for a new customer, change balance of an existing customer or change data for a existing customer and a login window which controls access for the application. For security reasons the data is not stored in plain text but encrypted. The decryption/encryption is implemented in main form for reading and writing a customer database because this is only used there.

The basic inner structure can be seen in the interface description. All windows use the class Customer.

--Class Diagram???????----



--bitte entschuldigt die schlechte Zeichnung! Ich habe nur Paint zur Verfügung

## Dynamic behavior

--Sequence-Diagram!!! (hatte kein Visio)----

## Component description

Class Customer 🡪 Interface description

Main Window 🡪 Main GUI, interacts with the database. Is described in the document  
 ‘Interface description’

Login Window 🡪 Is designed to handle security. Only users with the correct password are allowed to   
 enter the application

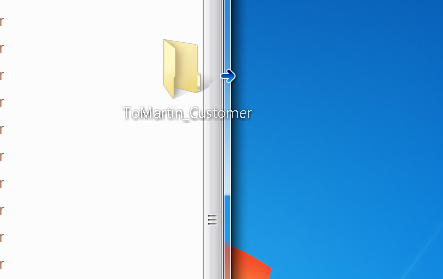
## Data Format

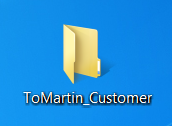
The main database is a .csv-file. It has an encrypted content to avoid insight without permission. For all components C#-standard data formats are used.

# Let’s get startet with ToMartin- Customer Application

## Installation

* Install the application by dragging the folder to a folder on your computer



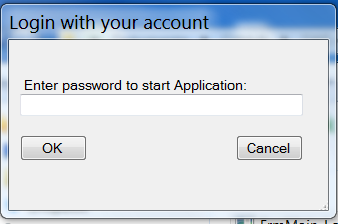


🡪

* Start the application by double-click the ‘FrmMain\_LoginForm\_PartPachler’



* Every startup you have to enter your password. Please be aware to watch out that your password is not stolen or spied by anyone.



When you have entered your password correctly you can see the database. Now you can add and edit your customer database. For existing Customers you can change balance.

If you stuck you can drag your mouse over a control (e.g. a button). This shows you the **tooltips** which may help you.

## Database

Your database is stored in the same folder as the application. It is a .csv file named ‘cDB’ you can backup and restore your customer database with this file.