

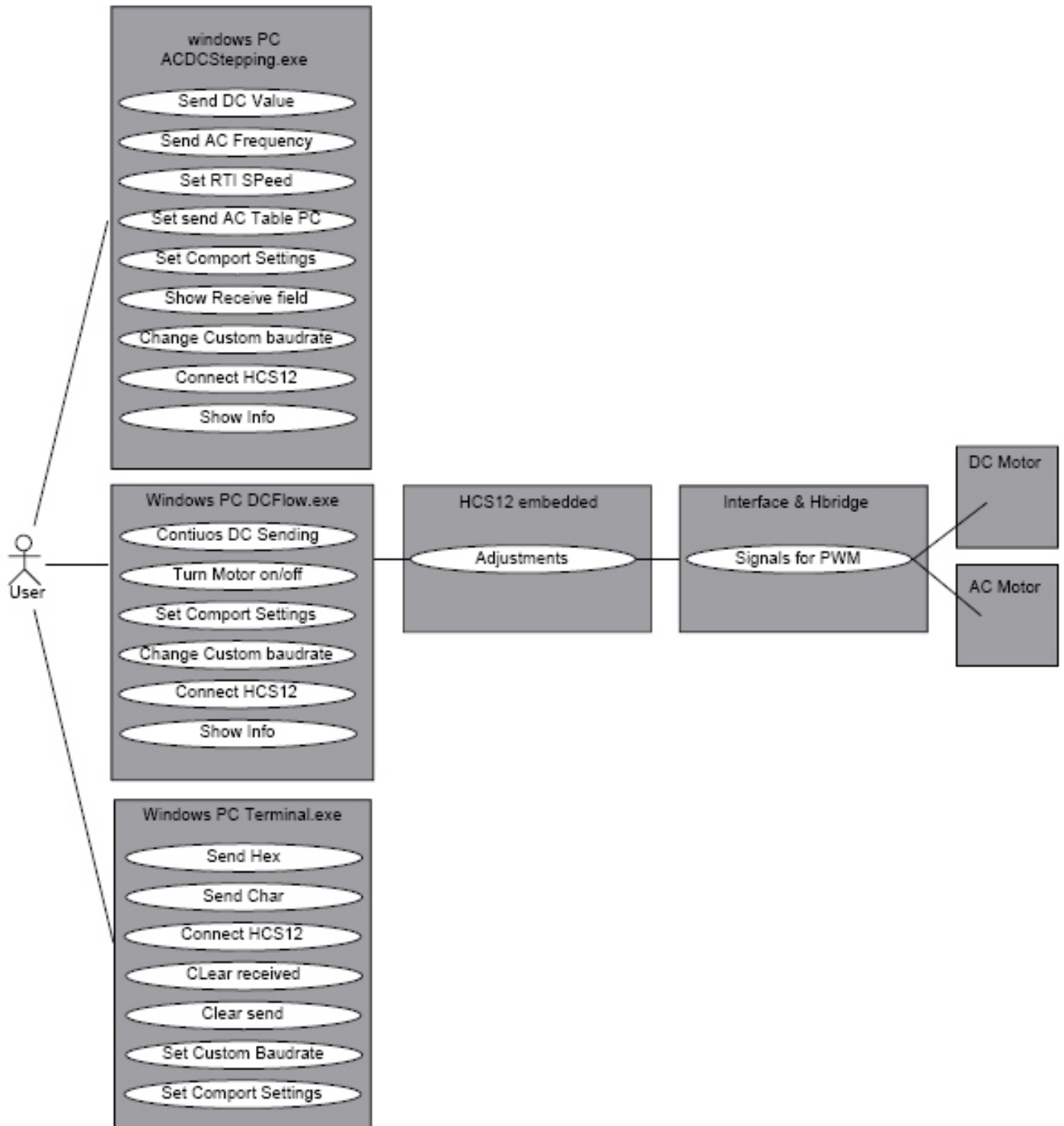
Terminal.exe

Case Diagram

Universal Motor Driver

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# Case Diagram of C++ Builder 6 Software



Terminal.exe

Screendumps

Universal Motor Driver

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# C++ Builder 6 programs accessibility

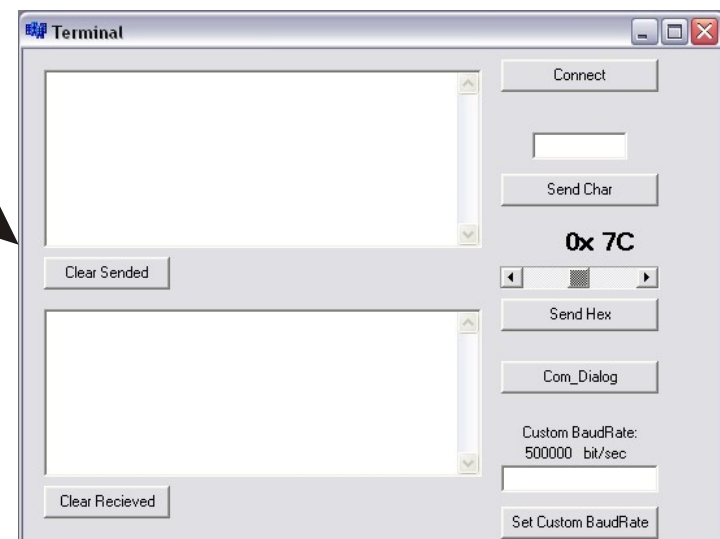
## ACDCStepping.exe



## DCFlow.exe

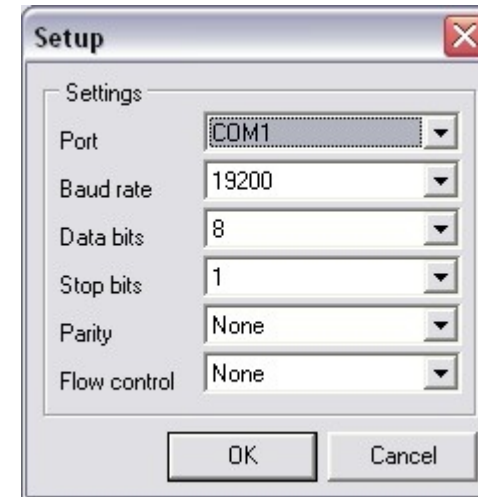
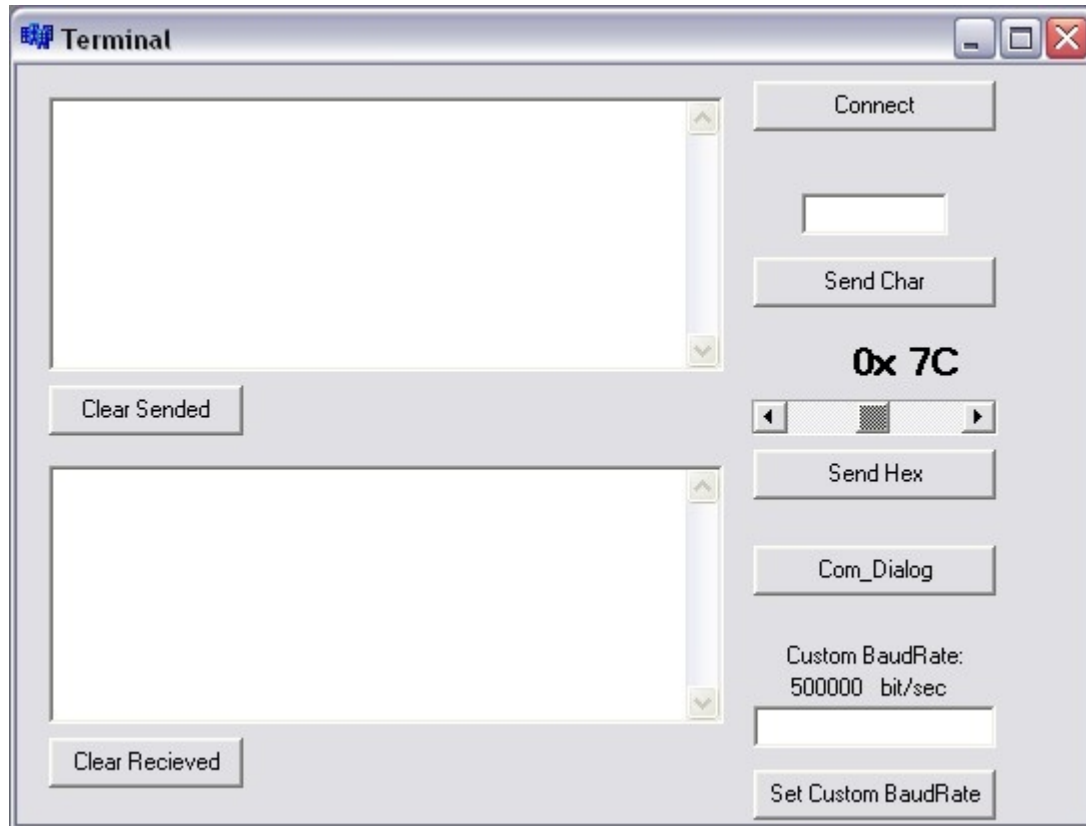


## Terminal.exe



# Terminal.exe

Unit1.cpp



Fontys hogeschool Eindhoven Elektrotechniek  
Mechatronica  
E.J.H.M. Halmans

Terminal.exe

Classes Diagram

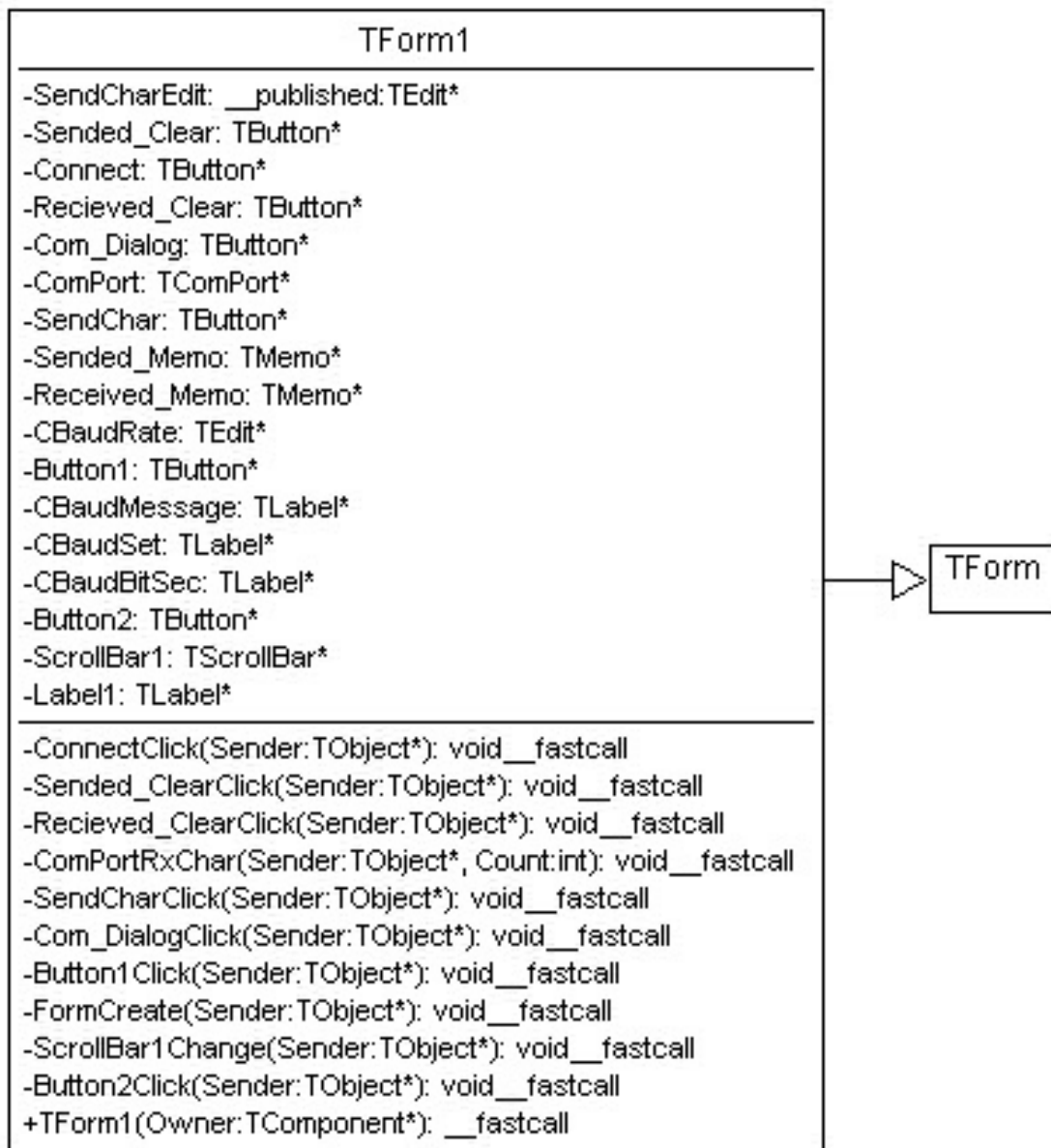
Universal Motor Driver

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# Classes Diagram of Terminal.exe & DCFlow.exe

## Terminal.exe

### Unit1.cpp



Terminal.exe

Flowdiagram  
Terminal.cpp

Universal Motor Driver

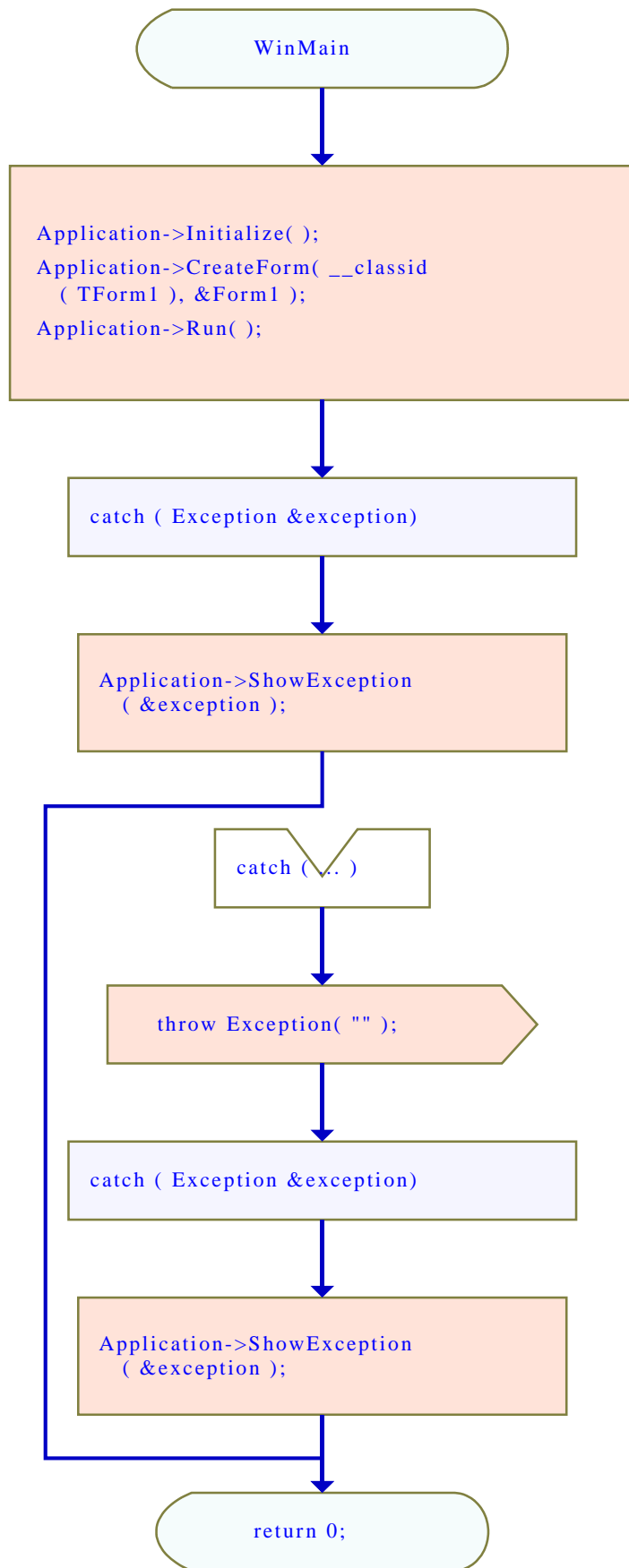
- **WinMain**

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# Flow Diagram of Terminal.exe Terminal.cpp function: WinMain

//-----



Terminal.exe

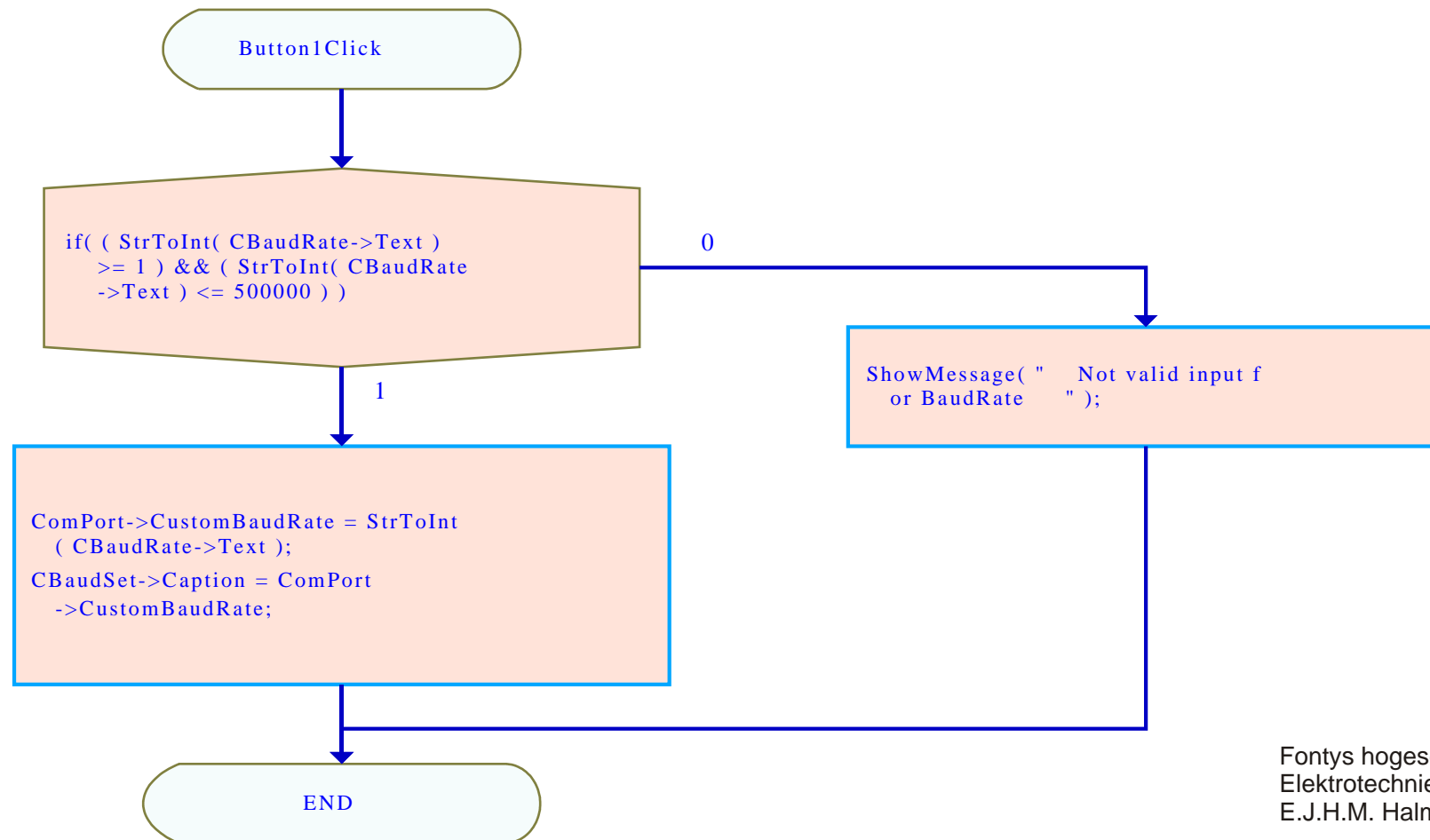
Flowdiagram  
Unit1.cpp

Universal Motor Driver

- **Button1Click**
  - **Button2Click**
  - **ComPortRxChar**
  - **Com\_DialogClick**
  - **ConnectClick**
  - **FormCreate**
  - **Received\_ClearClick**
  - **ScrollBar1Change**
  - **SendCharClick**
  - **Sended\_ClearClick**
-

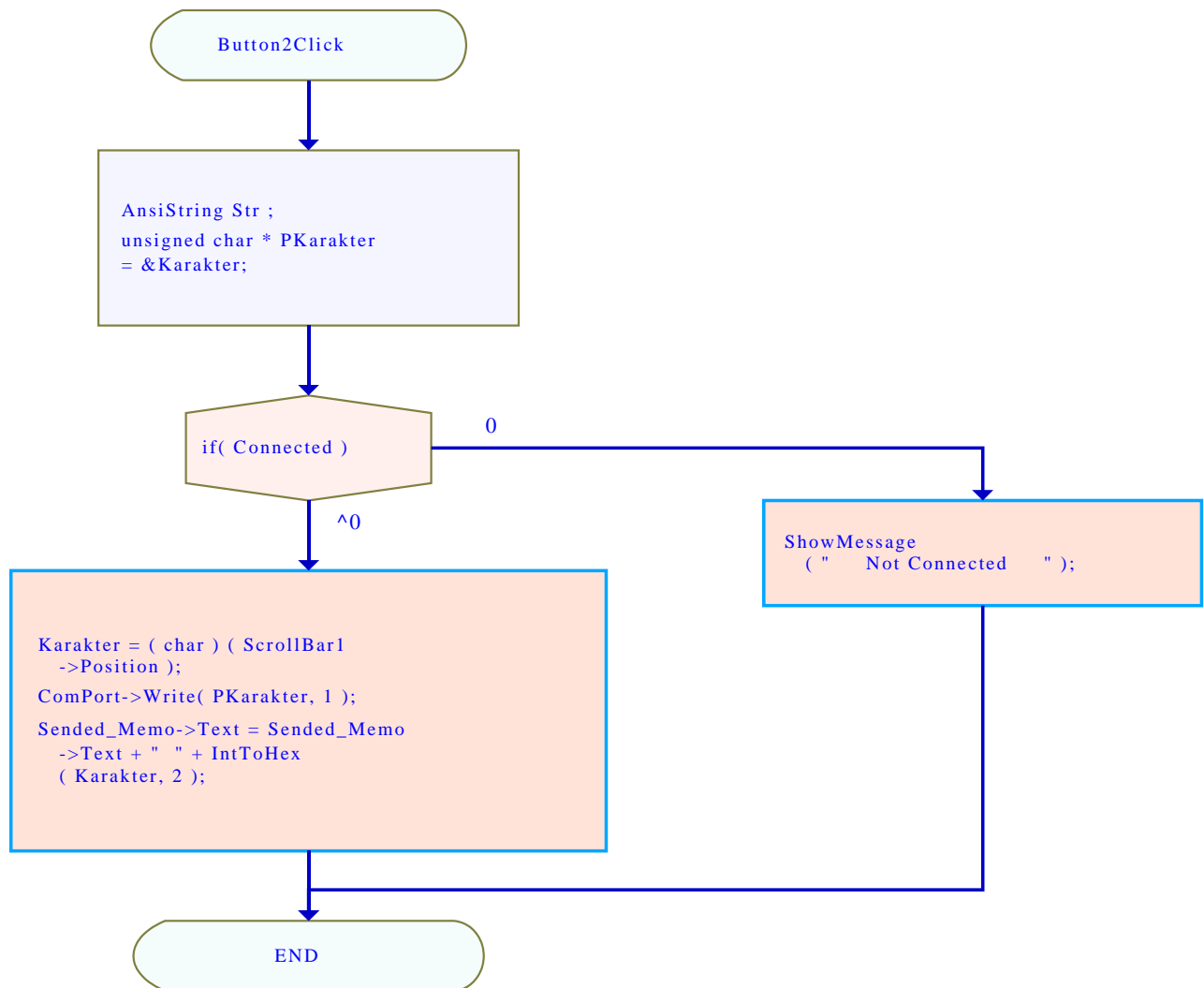
# Flow Diagram of Terminal.exe Unit1.cpp function: Button1Click

```
//-----  
// Short description:  
// Button to set CPort VCL Custom baudrate  
// Pre: - CBaudRate->Text contains a value between 0..500.000  
// - CustomBaudRate  
// Post: The string value is translated in a integervalue and  
// is used to set a new CustomBaudRate  
// if buadrate is not within specs a non valid message is shown  
//-----
```



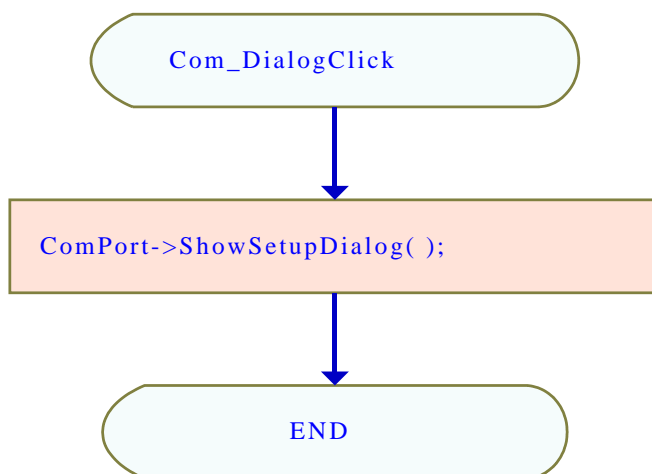
# Flow Diagram of Terminal.exe Unit1.cpp function: Button2Click

```
//-----  
// Short description:  
// Scroll bar position is read out as a character.  
// This character then will be send by the ComPort  
// and it will also show up in the Send Memo field  
// Pre: Scroll bar position  
// Post: The Scroll bar position is been translated in a single character  
// which will be send by the ComPort VCL and,  
// it is displayed as an hexadecimal value in the Send Memo field  
//-----
```



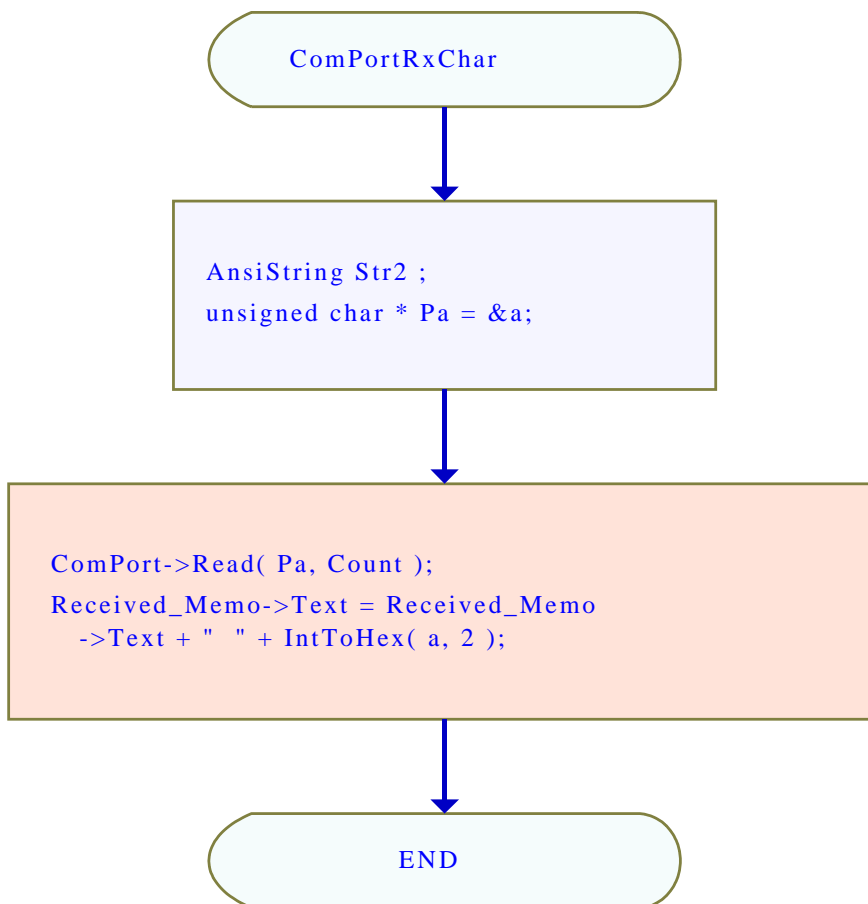
# Flow Diagram of Terminal.exe Unit1.cpp function: Com\_DialogClick

```
//-----  
// Short description:  
// Choosing this menu option, a setup dialog for the Comport VCL is shown.  
// In this dialog, you can change:  
// - Port number  
// - Baudrate  
// - Data bits  
// - Stop bits  
// - Parity  
// - Flow control  
// Pre: ComPort1  
// Post: setup dialog shown and changes effect ComPort1  
//-----
```



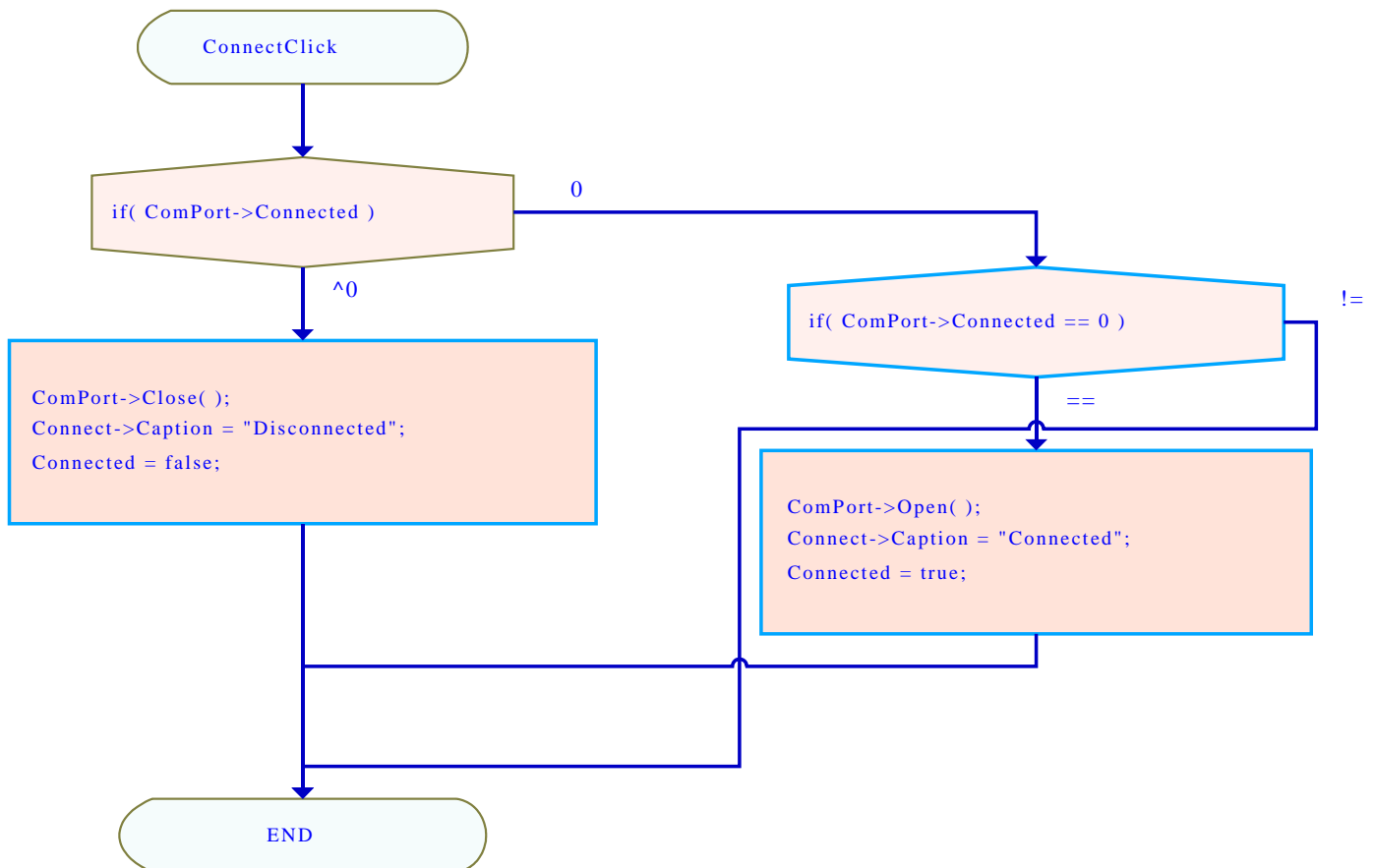
# Flow Diagram of Terminal.exe Unit1.cpp function: ComPortRxChar

```
//-----  
// Short description:  
// If a character is received by Comport VCL, it will be displayed by this  
// function as an hexadecimal value in the Received memo field  
// Pre: Any received character  
// Post: The received character is displayed as an hexadecimal value in  
// the Received Memo field  
//-----
```



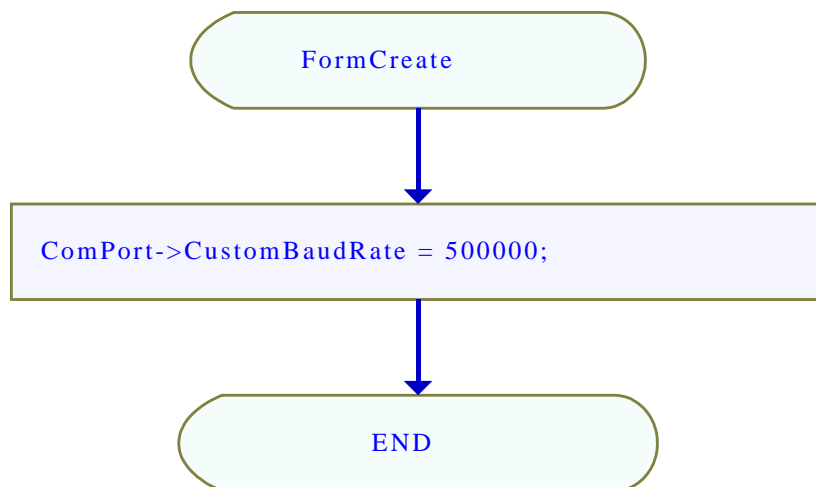
# Flow Diagram of Terminal.exe Unit1.cpp function: ConnectClick

```
//-----  
// Short description:  
// This menu option if checked opens a connection with the Comport VCL  
// Pre: If Connect1 = Checked Comport is open  
// If Connect1 = not Checked Comport is closed  
// Post: If Connect1 was Checked Comport is now closed  
// If Connect1 was not Checked Comport is now open  
//-----
```



# Flow Diagram of Terminal.exe Unit1.cpp function: FormCreate

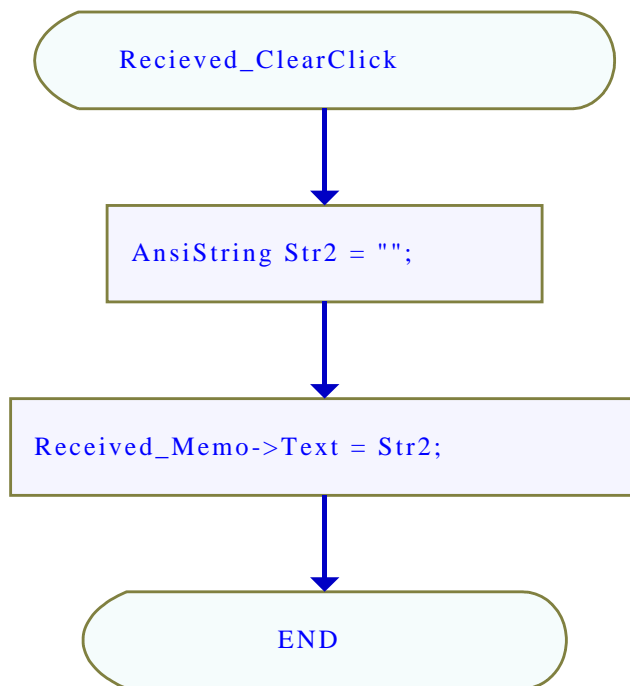
```
//-----  
// Short description:  
// When ever this program is started, this function is run first.  
// At the moment it only sets the custom baudrate to 500.000  
// Pre: Program is not running  
//  
// Post: If program is started, CustomBaudRate is set to 500.000  
//-----
```





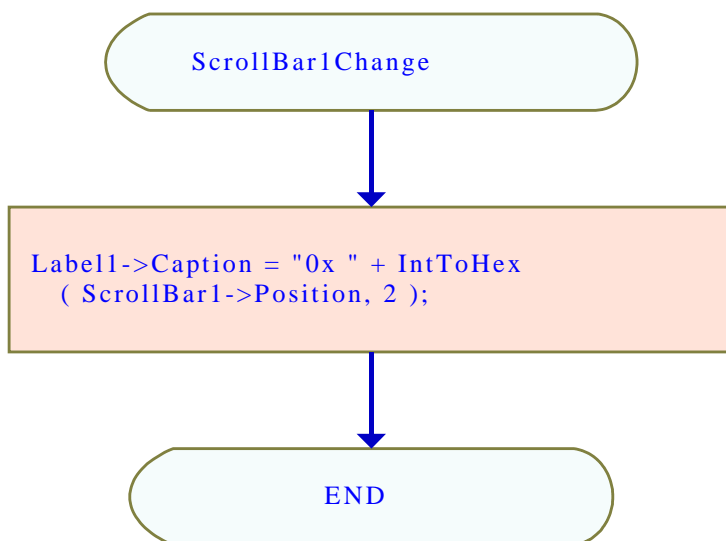
# Flow Diagram of Terminal.exe Unit1.cpp function: Received\_ClearClick

```
//-----  
// Short description:  
// If this button is pressed, the Received Memo field is cleared  
// Pre: Any Received Memo field content  
// Post: Received Memo field is cleared  
//-----
```



# Flow Diagram of Terminal.exe Unit1.cpp function: ScrollBar1Change

```
//-----  
// Short description:  
// if the user manipulates the Scrollbar1, a label shows the translated  
// scrollbar integer as an hexadecimal value (0..ff)  
// Pre: previous scrollbar position  
//  
// Post: New scrollbar position integer,  
// and a new to hex translated integer shows up in Label1  
//-----
```

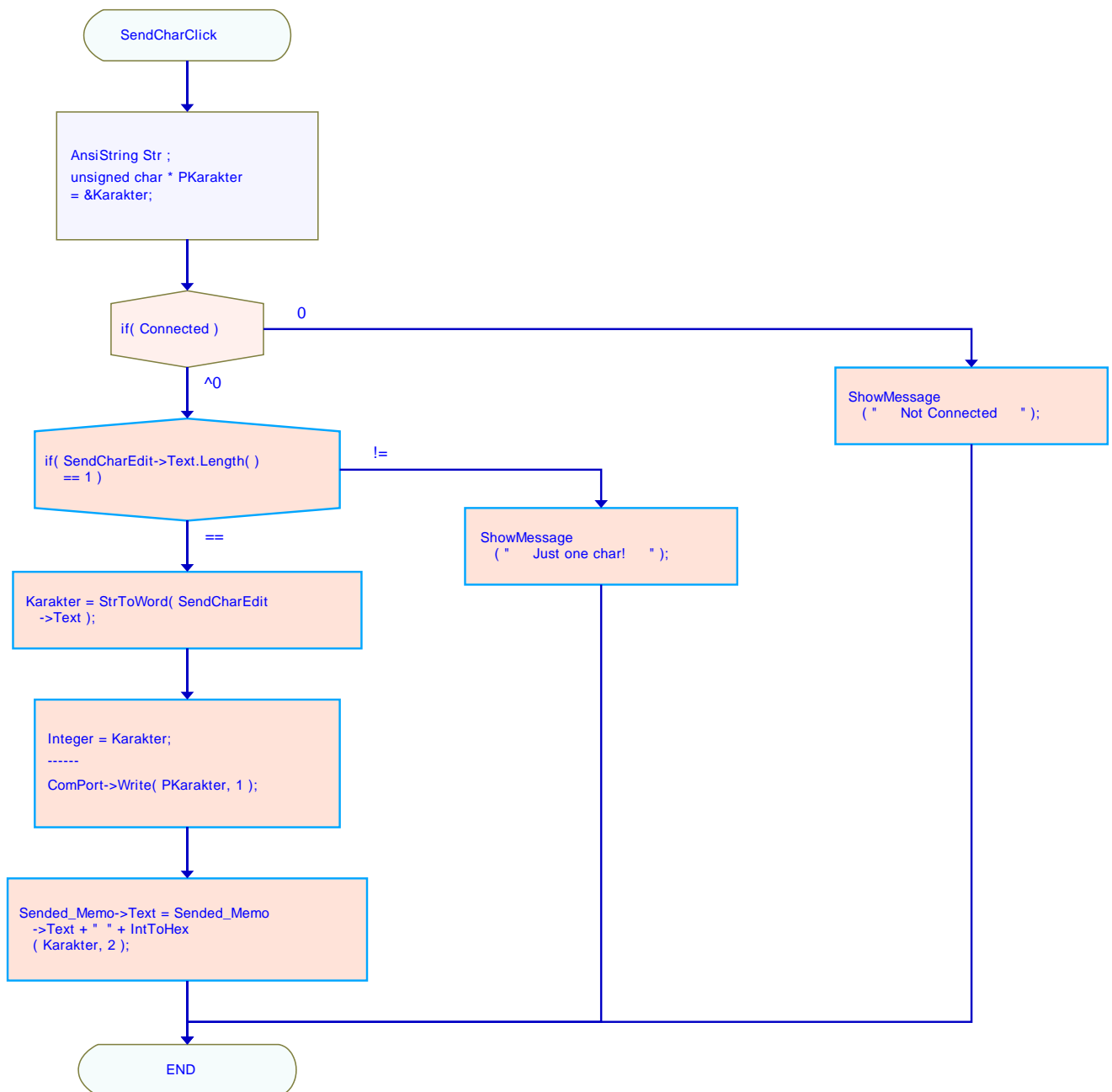


# Flow Diagram of Terminal.exe Unit1.cpp function: SendCharClick

```

//-----
// Short description:
// If just one character is entered in the SendCharEdit field,
// it will be send by the ComPort and it will also show up in the
// Send Memo field
// Pre: Any single character entered in the SendCharEdit field
// Post: The single character will be send by the ComPort VCL and,
// it is displayed as an hexadecimal value in the Send Memo field
//-----

```



# Flow Diagram of Terminal.exe Unit1.cpp function: Sended\_ClearClick

```
//-----  
// Short description:  
// If this button is pressed, the Send Memo field is cleared  
// Pre: Any Send Memo field content  
// Post: Send Memo field is cleared  
//-----
```

