

Diploma Thesis Mail with C#

The tasks consist on two parts:

1. Rearranging, optimization and test of a Mail program designed by student Jun Zhang. He used the mail Package Jmail, which is no longer available. I have found a Mail solution, which only use dotnet classes. Change all parts of the existing C# program using jmail with dotnet commands test and complete the mail program. The following things should work without problems:
 - a. Each mail should be stored as file, attachments should be stored in another directory. Each address list should be stored in a simple format in a file.
 - b. Addresses should be selected in an easy comfortable way out of an address book
 - c. An Email in HTLM – Format should be answered in HTML with the given editor.
 - d. If there is an attachment, it should be able to see a direct preview. This can be done with an embedded browser.

Additionally the mail sending and the mail receiving part should be separated in two simple new projects, which can be used in my lecture as simple courses for students.

2. In a new project a temperature monitoring program should be created. This will be used in a church. There a simple PC is running nonstop and can be used as a monitoring system. The sensor itself has an internal server with Ethernet interface. This program should permanently read out the room temperature. If on special days, if services are planned the room temperature is less than an expected value, a Mail automatically should be send to a provider who creates an SMS to a responsible person. This person then can react and solve the temperature problem. The list, which day, which time which cell phone should be informed, this list should be actualized by an email send to the church PC. With an email the actual temperature should be responded to the asking mail.

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