

Mandatory Assignment 1: SMTP Client

Submission Date and Time : 10th march 2020 13:00

To be handed in individually on campusnet.

This assignment is obligatory for each student to get to the exam.

Student: Kaloyan Penov s133967

What to Hand in:

The complete code for the SMTP mail client can be found here:

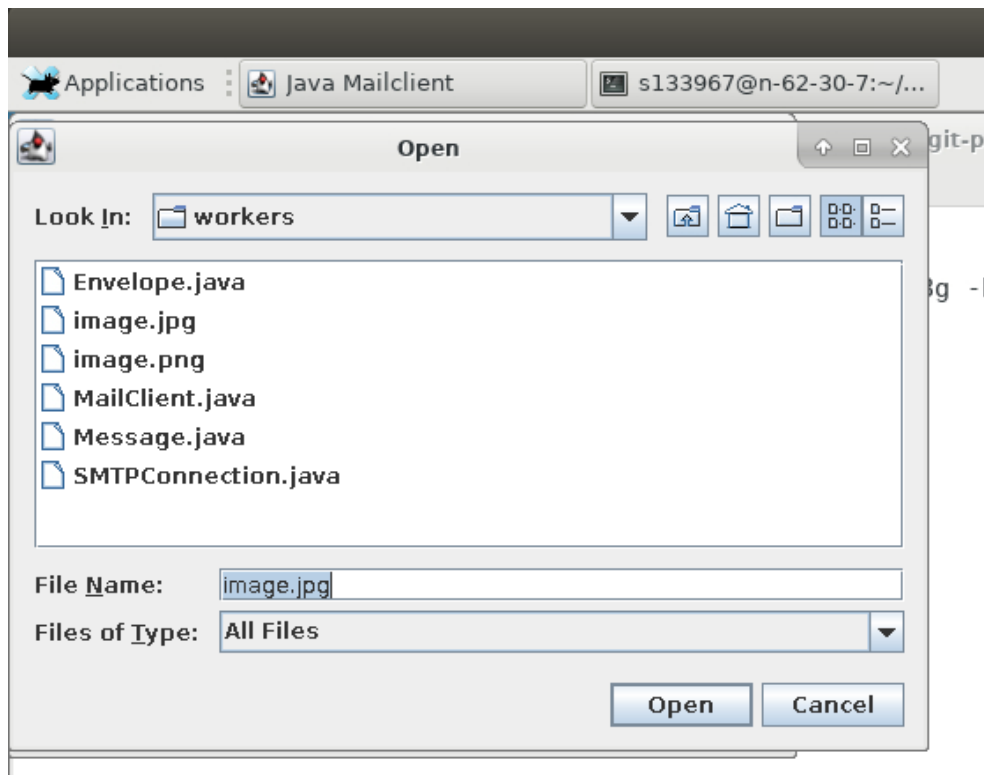
https://github.com/kpenov16/smtp_client.git

and in the archive file.

Screenshots showing:

- a received e-mail message from one of the TA's (TA's dtu student mail) assigned to group 5

s171242@student.dtu.dk



- a reply send to the TA's dtu student mail:

outlook.office.com/mail/sentitems/id/AAQkAGMzODU3ZDMwLWI3ZGItNGQyYy04YjlyLTU5ZWU5NDRjZDcwZgAQADsHXneHrCFKngcly%2FjH2dg%3D

outlook

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Sent Items ★ Filter

Today

1467
10

Kristofer Sigvard Hjorthskov Nedergaard
> how to take a screenshot i... 10:45
Dear Kristofer The program is great, thanks a...

Yesterday

70

Kaloyan Penov
> jpg test Sat 19:12
ok

This week

Kaloyan Penov
> (No subject) Wed 26/02
<https://stackoverflow.com/questions/106318...>

Kaloyan Penov; Bhupjit Singh
> this is what I was looking f... Tue 25/02
<https://tools.ietf.org/html/rfc1521>

Kaloyan Penov
> test kpv Tue 25/02
reply: to test kpv text

Kaloyan Penov
> (No subject) Tue 25/02
<https://stackoverflow.com/questions/390245...>

how to take a screenshot in linux

Kaloyan Penov
Sun 01/03/2020 10:45
Kristofer Sigvard Hjorthskov Nedergaard ✓


Dear Kristofer

The program is great, thanks a lot!

Best regards
Kaloyan

...

s171242@student.dtu.dk
Sun 01/03/2020 10:41
Kaloyan Penov ✓



Dear Kaloyan

I am sending you this example of taking screenshot from linux terminal.
Hope it helps.

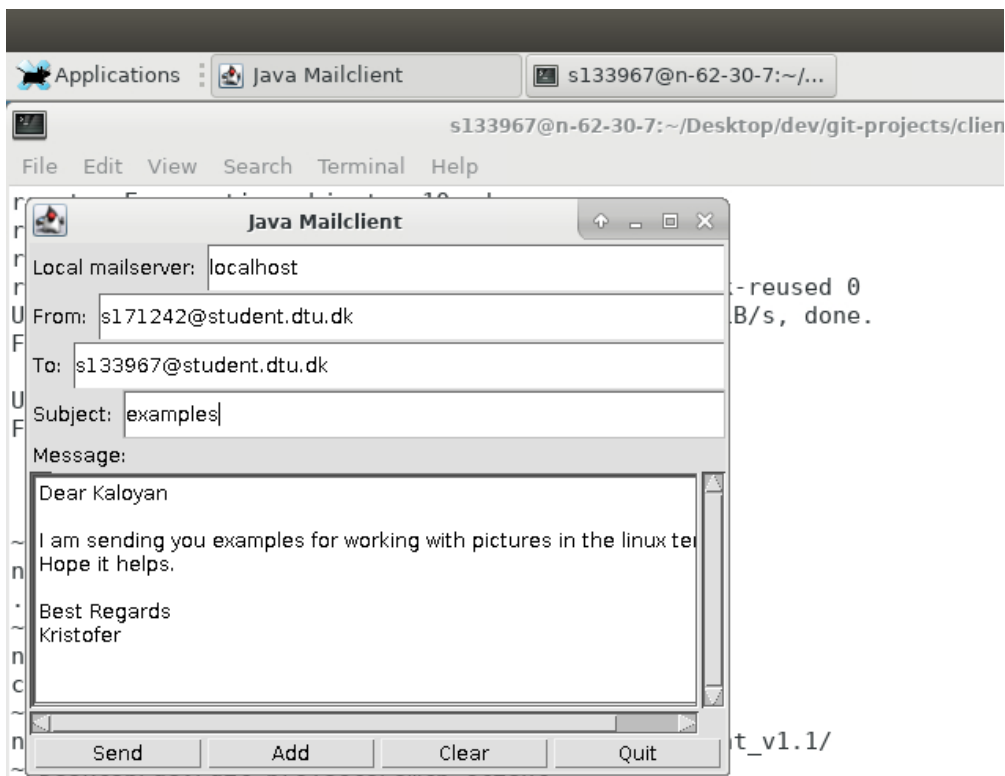
Best Regards
Kristofer

Tasks 1. SMTP mail client only handles sending text messages in the email body.

Task 2. SMTP mail client send emails with both text and images (more than one image).

- the client requires you to add the image files one by one via the "Add" button and then the mail can be send:

```
s133967@th3 - ThinLinc Client
Applications : s133967@n-62-30-7:~/...
s133967@n-62-30-7:~/Desktop/dev/git-projects/client_v1.1 (on n-62-30-7)
File Edit View Search Terminal Help
~/Desktop/dev/git-projects/smtp_client
n-62-30-7(s133967) $ git pull
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 1), reused 6 (delta 1), pack-reused 0
Unpacking objects: 100% (6/6), 332.87 KiB | 1.09 MiB/s, done.
From https://github.com/kpenov16/smtp_client
f9aca45..fc0fc94 master -> origin/master
Updating f9aca45..fc0fc94
Fast-forward
 src/dk/workers/image3.png | Bin 0 -> 349739 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 src/dk/workers/image3.png
~/Desktop/dev/git-projects/smtp_client
n-62-30-7(s133967) $ cp
.git/ .gitignore src/
~/Desktop/dev/git-projects/smtp_client
n-62-30-7(s133967) $ cp src/dk/workers/*.* ../
client/ client_v1.1/ smtp_client/
~/Desktop/dev/git-projects/smtp_client
n-62-30-7(s133967) $ cp src/dk/workers/*.* ../client_v1.1/
~/Desktop/dev/git-projects/smtp_client
n-62-30-7(s133967) $ cd ../client_v1.1/
~/Desktop/dev/git-projects/client_v1.1
n-62-30-7(s133967) $ ls
Envelope.java MailClient.java Message.java SMTPConnection.java image.jpg image.png image2.jpg image3.png
~/Desktop/dev/git-projects/client_v1.1
n-62-30-7(s133967) $ javac -d . *.java
Picked up JAVA_TOOL_OPTIONS: -XX:ParallelGCThreads=8 -Xmx8g -Dsun.java2d.pmofoffscreen=false
Note: MailClient.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
~/Desktop/dev/git-projects/client_v1.1
n-62-30-7(s133967) $ ls
Envelope.java MailClient.java Message.java SMTPConnection.java dk image.jpg image.png image2.jpg image3.png
~/Desktop/dev/git-projects/client_v1.1
n-62-30-7(s133967) $ java dk/workers/MailClient
```



ATT00002.jpg Full screen Print Save to OneDrive

Activities Google Chrome Sun 11:24

apenax.com/questions/71102/batch-converting-png-to-jpg-in-linux

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Your best bet would be to use [imagemagick](#).

I am not an expert in the actual usage, but I know you can pretty much do anything image related with that.

An example is:

```
convert_image.png_image.jpg
```

and it will keep the original as well as creating the converted image. As for batch, I think you need to use the Mogrify tool (from the same command line where in imagemagick). Keep in mind that this overwrites the old images.

The command is:

```
mogrify -format jpg *.png
```

show improve this answer

edited Jun 5 '13 at 22:04

answered Nov 26 '10 at 2:25

16.5k x2 +27 +63

William Hildrum

12k x1 +188 +275

7

Awsome, that's exactly what I was after and will be using again. By the way, just to clarify as I didn't realize this is what you meant: convert is used to generate a separate output file, mogrify is used to modify the original image. - [mohmed](#) Nov 26 '10 at 6:22

1

png images with transparent background does not convert properly to jpg - [William Hildrum](#) Nov 26 '10 at 6:22

5

To convert PNGs with transparent background, use the following command: `mogrify -format jpg *.png` background: black. - [FastSam](#) Feb 14 '11 at 14:54

4

ShawnCar on my Mac how do I mogrify -format jpg *.png? I have 2 files and I like jpg. It exports one png, the original untouched, and a new jpg one. So mogrify does not overwrite original files in this case. - [mohamed](#) Aug 28 '13 at 5:54 p

5

From [imagemagick](#) documentation: "This tool is similar to `convert`, except that the original image file is overwritten (unless you change the file suffix with the `-format` option) with any changes you request." - [jankin-m](#) Sep 25 '14 at 2:12 p

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I have a couple more solutions.

83

The simplest solution is like most already posted. A simple bash for loop.

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examples

Kaloyan Penov

Sun 01/03/2020 11:40

Kristofer Sigvard Hjorthskov Nedergaard

Thanks a lot. Best Kaloyan

s171242@student.dtu.dk

Sun 01/03/2020 11:40

Kaloyan Penov

2 attachments (1 MB)

Download all

Save all to OneDrive - Danmarks Tekniske Universitet

Dear Kaloyan

I am sending you examples for working with pictures in the linux terminal. Hope it helps.

Best Regards Kristofer

https://media.pearsoncmg.com/aw/aw_kurose_network_3/labs/lab2/lab2.html