

Homework2: Telnet Client

2010.3.24
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Homework 2

- ▶ Goal: analyzing telnet & implementing simple telnet client
- ▶ Testing environment: ptt
- ▶ Basic requirement (80%):
 - Login
 - Logout } -50%
 - Post
- ▶ Bonus:
 - 查分身 (15%): online users having the same IP
 - Send/receive message (5%+5%)
 - Send/read new mail (5%+10%)

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- ▶ Language: C / C++
- ▶ **Deadline: 4/7 24:00 (Taipei)**
- ▶ **Late penalty: -10/day**
- ▶ Other functions have no bonus
- ▶ Submitting: FTP
 - 140.112.29.116:1982 CN2010/ccfccf
 - Homework2/b969XXXXX.rar (zip,7z,tar)
 - Size < 2MB
 - A text file "readme.txt" to list available functions

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- ▶ No user interface: all instructions are in a input file
- ▶ I/O
 - Input file: input.txt
 - Output file: output.txt

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▶ Input format: <tag>data</tag>

▶ Login

- <ID>CN2010</ID>
- <PASS>ccfccf</PASS>

▶ Logout

- <EXIT>

▶ Post

- <BOARD>Gossiping</BOARD> /*Enter Gossiping*/
- <P>title</P>
- <CONTENT>This is a testing.
by Kenneth</CONTENT>

Note:

1. Multiple boards may be visited before posting.
2. <P></P> must be in front of <CONTENT>
3. All tags are uppercase
4. No multi-login.

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▶ 查分身

- <IP>user ID</IP>
- Output->output.txt

▶ Messages

- <W>user ID</W>
- <CONTENT>hihi XD</CONTENT>

▶ Mail

- <M>user ID</M>
- <TITLE>mail title</TITLE>
- <CONTENT>This is a testing.
by Kenneth</CONTENT>

Note:

1. <W></W> must be in front of <CONTENT>
2. <M></M> must be in front of <TITLE> and <CONTENT>
3. No line-feed in <CONTENT> of a message.

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▶ Output: the result of 分身, receiving messages, receiving mail

- Format: free

▶ Read new mails:

- The content size of a mail is smaller than one page.
- There may be several new mails.

▶ NOTE: all tags must be parsed, even though some functions are not implemented.

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Q & A

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