

FPS

Testing Document

Abstract

This test document highlights what tests were run for FPS

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Testing Outline

This document will test each of the following applications:

- 'E' will enter the line whereas 'enter' does nothing
- Replacing 'a' with 'z'
- 'X' acts as backspace
- 'T' terminates the program
- 'K' kills a line
- 'ctrl+k' force kills the program

```
08:56:46(-)root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$ ./fps
Usage:
Type any message and enter 'E' in order to submit your text.
The translated message will be printed out in green.

    'E' will act as the return key
    'a' will be replaced with 'z'
    'X' will act as backspace
    'K' will kill all characters proceeding it's call
    'T' will kill the program
    'ctrl+k' will force kill the program without restoring sanity

Input Process - process ID:2599 parent ID:2485 child ID:2601
Output process - ID:2601 parent ID:2599 child ID:2602
Translation Process - process ID:2602 parent ID:2601 child ID:0
```

'E' will enter the line whereas 'enter' does nothing

Test: Enter in BCIT's IP address and get the www.bcit.ca domain name.

Success criteria: I must be able to enter either the IP or the host name and arrive at the same website.

Status: **Passed**

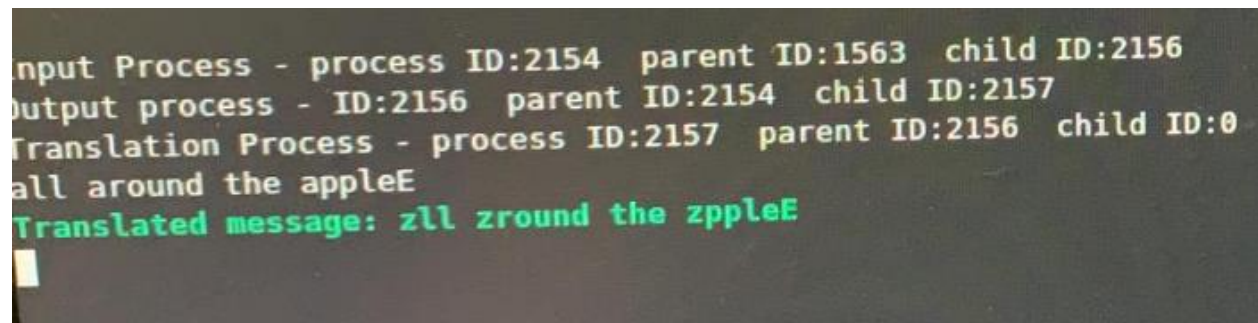
All proceeding tests rely on this so no images were taken.

Replacing 'a' with 'z'

Test: All occurrences of a should be replaced by z once 'E' is entered.

Success criteria: 'all around the appleE' should translate to 'zll zround the zpplE'.

Status: **Passed**



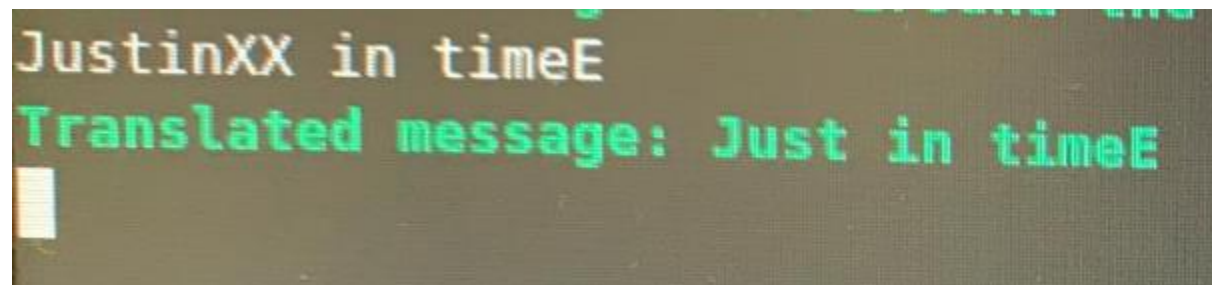
```
Input Process - process ID:2154 parent ID:1563 child ID:2156
Output process - ID:2156 parent ID:2154 child ID:2157
Translation Process - process ID:2157 parent ID:2156 child ID:0
all around the appleE
Translated message: zll zround the zpplE
```

'X' acts as backspace

Test: X should act as a backspace for the translated message.

Success criteria: 'JustinXX in timeE' should translate to 'Just in timeE'

Status: **Passed**



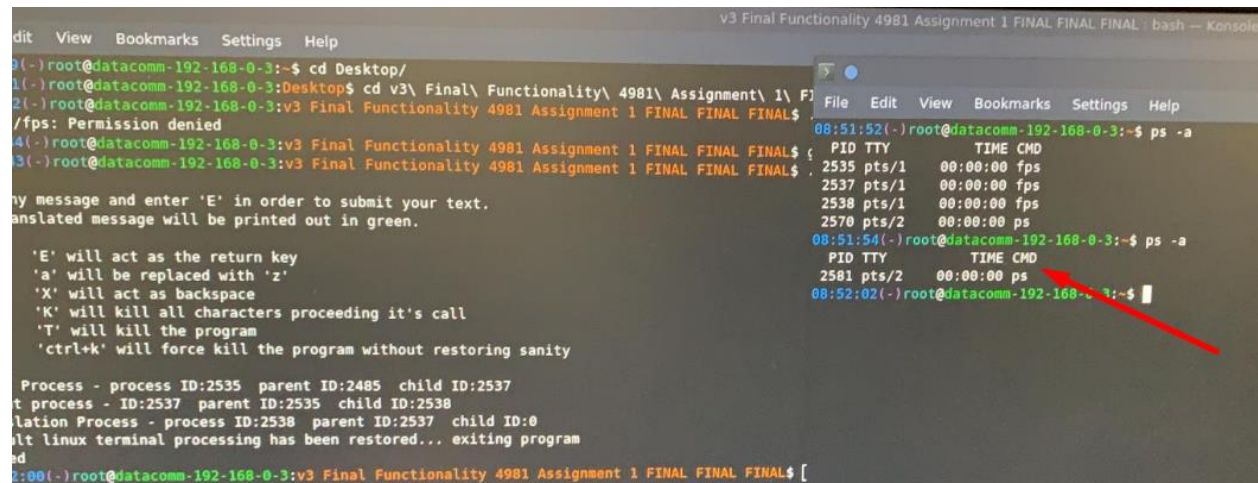
```
JustinXX in timeE
Translated message: Just in timeE
```

'T' terminates the program

Test: The program should have all processes killed and you should be able to type as usual after program execution.

Success criteria: Entering 'T' will show no more processes for fps in ps -a.

Status: **Passed**



```
root@datacomm-192-168-0-3:~$ cd Desktop/
root@datacomm-192-168-0-3:Desktop$ cd v3\ Final\ Functionality\ 4981\ Assignment\ 1\ F
root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$ ./fps: Permission denied
root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$
ny message and enter 'E' in order to submit your text.
anslated message will be printed out in green.

'E' will act as the return key
'a' will be replaced with 'z'
'X' will act as backspace
'K' will kill all characters proceeding it's call
'T' will kill the program
'ctrl+k' will force kill the program without restoring sanity

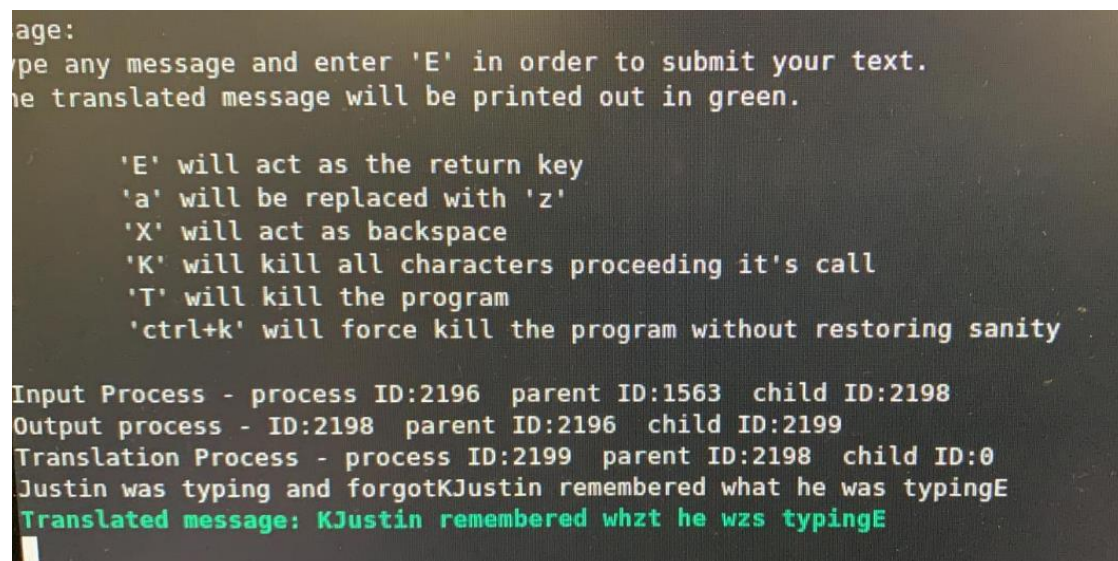
Process - process ID:2535 parent ID:2485 child ID:2537
t process - ID:2537 parent ID:2535 child ID:2538
lation Process - process ID:2538 parent ID:2537 child ID:0
ilt linux terminal processing has been restored... exiting program
ed
08:51:52(-)root@datacomm-192-168-0-3:~$ ps -a
PID TTY TIME CMD
2535 pts/1 00:00:00 fps
2537 pts/1 00:00:00 fps
2538 pts/1 00:00:00 fps
2570 pts/2 00:00:00 ps
08:51:54(-)root@datacomm-192-168-0-3:~$ ps -a
PID TTY TIME CMD
2581 pts/2 00:00:00 ps
08:52:02(-)root@datacomm-192-168-0-3:~$
```

'K' kills a line

Test: K should kill a line up to where it was, and resume typing from begging of the buffer.

Success criteria: 'Justin was typing and forgotJustin remembered what he was typingE' should translate to 'KJustin remembered whzt he wzs typingE'

Status: **Passed**



```
age:
ype any message and enter 'E' in order to submit your text.
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'E' will act as the return key
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'K' will kill all characters proceeding it's call
'T' will kill the program
'ctrl+k' will force kill the program without restoring sanity

Input Process - process ID:2196 parent ID:1563 child ID:2198
Output process - ID:2198 parent ID:2196 child ID:2199
Translation Process - process ID:2199 parent ID:2198 child ID:0
Justin was typing and forgotKJustin remembered what he was typingE
Translated message: KJustin remembered whzt he wzs typingE
```

'ctrl+k' force kills the program

Test: The program should have all processes killed and you should be able to type as usual after program execution (since all processes are killed).

Success criteria: ps -a should not show any additional processes under fps.

Status: **Passed**

```

v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL
dit View Bookmarks Settings Help
3(-)root@datacomm-192-168-0-3:~$ cd Desktop/
1(-)root@datacomm-192-168-0-3:Desktop$ cd v3\ Final\ Functionality\ 4981\ Assignment\ 1\ F
2(-)root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$
/fps: Permission denied
4(-)root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$
3(-)root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$

ny message and enter 'E' in order to submit your text.
anslated message will be printed out in green.

'E' will act as the return key
'a' will be replaced with 'z'
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Process - process ID:2535 parent ID:2485 child ID:2537
t process - ID:2537 parent ID:2535 child ID:2538
lation Process - process ID:2538 parent ID:2537 child ID:0
ult linux terminal processing has been restored... exiting program
ed
0:00(-)root@datacomm-192-168-0-3:v3 Final Functionality 4981 Assignment 1 FINAL FINAL FINAL$ [

```