

# CS252 Lab 3 Shell Final Grading Form

Name:

Lab Time:

Login:

TA1:

TA2:

Run:

```
cd ~/cs252
git clone --branch part3 /homes/cs252/sourcecontrol/work/$USER/lab3-src.git lab3-src-final
cd lab3-src-final
make shell
tar --overwrite -xvf /homes/cs252/Spring2021/lab3-shell/test-shell.tar
cd test-shell
./testall
```

	Notes	
Turn-in date	-10 pts per day after deadline	
Testall score		/70
✓ Ctrl-C	Ctrl+C doesn't kill the shell Ctrl+C kills "sleep 100"	/1 /1
History (up/down)	Make sure the history is things typed in and not just static.	/2
Arrows	Left/Right: don't go past prompt/tty doesn't get messed up	/1
(ctrl-D)	Delete at end Delete middle	/.5 /.5
(ctrl-H)	Backspace at end Backspace middle	/.5 /.5
Insert in the middle		/1
(ctrl-A)	Home	/1
(ctrl-E)	End	/1
Extra / Negative Credit		
How to Run Valgrind Tests	valgrind --leak-check=full --track-fds=yes ./shell cd .	

(Memory and File Descriptor Leaks)	<pre>echo *   grep k</pre> <pre>exit</pre> <p>NOTE: If wildcards don't work, replace the middle command with <code>ls   grep k</code></p>	
<p>Existing Memory Leaks</p> <p>X</p>	<p>Check number of bytes lost using the valgrind command above Count definitely + indirectly lost bytes (DO NOT SUM!!)</p> <pre>1      - 1,000 bytes: -1 points</pre> <pre>1,001 - 5,000 bytes: -2 points</pre> <pre>5,001 - 7,000 bytes: -3 points</pre> <pre>7,001 +          bytes: -5 points</pre>	
<p>Existing File Descriptor Leaks</p> <p>X</p>	<p>Check for number of open file descriptors using the valgrind command above (3 open fds are expected) (DO NOT SUM!!)</p> <pre>4 - 5  open fds: -1 point</pre> <pre>6 - 8  open fds: -3 points</pre> <pre>9 +    open fds: -5 points</pre>	
<p>Path Completion</p> <p>?</p>	<pre>cd test-shell</pre> <pre>ls t&lt;tab&gt;</pre> <p>Shell fills screen to <code>ls test</code> <span style="float: right;">+5 points</span></p>	
<p>Process Substitution</p> <p>E</p>	<pre>cat &lt;(echo 'hello world')</pre> <p>Output should be: <b>hello world</b></p> <pre>diff &lt;(echo 'hello') &lt;(echo 'world')</pre> <p>Output should be: <b>1c1</b> <b>&lt; hello</b> <b>---</b> <b>&gt; world</b></p> <p>Look through code to make sure they're making a temp directory and cleaning up resources</p> <p>+5 points</p>	
<p>Additional Features</p> <p>E</p>	<p>(Points for extra features will be determined later) If students implemented <code>.shellrc/on_error</code>, mark here</p> <p>(variable prompt change 0.5 error 0.5)</p> <p><code>.shrc</code> (1 pt)</p>	
Run GITK and examine repository	<pre># of Commits</pre> <pre># of days student worked approx.</pre>	

	TOTAL	
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\*Submissions without git history will not be graded