

# Assignment 2 Rubric

## Part A (60 marks)

### Functionality (48 marks)

Function	Rudimentary (2)	Acceptable (4)	Accomplished (6)
<code>ptag</code> (user program)	Is missing more than one of: Adds and removes tags, has error messages for common errors	Is missing one of: Adds and removes tags, has error messages for common errors	Adds and removes tags, has error messages for common errors
PTAG (system call)	Call was implemented, but does not add or remove tags	Call adds or removes tags, but not both	Call adds and removes tags to <code>task_struct</code>
<code>tag_struct</code>	Process can only be tagged with one tag or is implemented in an unsafe way.	Process can be tagged with a specific number of tags	Processes can be tagged with an arbitrary number of tags. Data structure is safe.
<code>tag_stat</code>	Does not list all tags	Lists all tags, but not in an easily read format	Lists all tags and process ids in an easily read format
<code>/proc/ptag</code>	Is implemented, but does not contain data.	Does not allow user to read all tags.	Device allows user to read all process ids and tags
<code>ptag_kill</code>	Script does not kill all processes and fails to handle errors	Script does not kill all processes or fails to handle errors	Script kills all processes with tag and handles any errors (with appropriate messages)

## Code Style / Documentation (12)

Element	Rudimentary (1)	Developing (2)	Accomplished (3)
Commenting	Insufficient citations or Insufficient comment coverage or comments explain code rather than concepts	Well cited, sufficient comments to understand concepts	Very Well Cited and very well written comments
Code Style	Code poorly organized or difficult to read	Code well organized, difficult to read	Code well organized and easy to read
README	Includes limited information about system including instruction to compile and run and assumptions made	Includes most notes about system including instruction to compile and run and assumptions made, but misses at least 1	Clearly includes all notes about system including instruction to compile and run and all assumptions made
Typescript	Typescript omits more than one part of the assignment.	Typescript is poorly organized or omits one part of the assignment	Typescript clearly shows all parts of the assignment (that can be seen from tasks executing), is well organized and without extraneous materials

## Bonus

- +6 Tag logic: allow tagstat and tag\_kill to use logic to address tags (all processes which have tagA and tagB, or all processes which have tagA or tagB, or all processes which have tagA, but not tagB)

## Part B (40 marks)

	Rudimentary (1)	Developing (2)	Accomplished (3)
Question Answer	Is factually correct, but does not address all parts of the question or fails to support with evidence	Is factually correct, addresses all parts of the question and supports with evidence	Is factually correct, addresses all parts of the question, supports with evidence and provides cogent insight into the question