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#### 1. Instructions

- replace any [...] with free text,
  and
- replace the [?] with an X if you have completed that stage,
- replace the [?] with an \* if you have attempted that stage, but you know it doesn't work completely; document why you think it doesn't work, plus what you would do to fix the problem, at the end of the marksheet.

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#### 2. Information

So that we can calibrate and improve the assignment in the future, give us a rough idea how long (in hours) you spent on it \*in total\*:

effort : [...] hours

## 3. Citation

Clearly it might have an influence on your mark, but the use of third-party resources \*is\* allowed \*if\* correctly cited (unless explicitly prohibited by the assignment description of course). Let us know what third-party source code or resources you used (if any) so it's clear what's your work and what isn't:

 $[\ldots]$ 

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## 4. Marking

The following gives a stage-by-stage description of the assignment marking scheme. Note this acts as an indicative guideline only, including weights for each more obvious aspect (e.g., functional correctness); other aspects outside this list can warrant an increase/decrease in marks, with examples including hard to quantify features such as style, efficiency, robustness, generality, or realism of a solution. Put another way, identifying then reasoning about these latter aspects forms part of the assessment, so they are not (necessarily) detailed explicitly.

Stage	1	:	а	baseline	kernel
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[?]	<pre>- pre-emptive multi-tasking</pre>	( 30%)
[?]	<ul><li>priority-based scheduler</li></ul>	( 10%)

Stage 2: closed generalisations and enhancements

[ ]	- fork, exec and exit system calls	( 15%)
[?]	- Inter-Process Communication (IPC)	( 15%)

Stage 3: open generalisations and enhancements (30%)

- [?] MMU-based protection and virtualisation
- PS/2 device drivers and GUI

   LCD screen and PS/2 device drivers and GUI
- \*OR\*

  [?] file system based on simplified, emulated disk
- [?] kernel port to real, physical hardware

(100%)

# 5. Documentation

Any other documentation, notes or comments that you think are important or might be easy to overlook (e.g., a subtle issue or technique in associated source code) should go here:

[...]
