

# CS350 Assignment 3

## Marking Summary Report

Group Number:

Marker:

Names and UNIX UserIDs:

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Presentation: marks may be deducted for unclear, sloppy, poorly organized, or poorly written, design documents, testing documents, code and testing output.

### Design: design.pdf (30 Marks):

Please use the section headers described below and in each case be sure to describe how you've synchronized access to the various kernel data structures.

1. (5 marks) Free Page Frames:
2. (5 marks) Segments:
3. (5 marks) Page Tables:
4. (4 marks) TLB Management.
5. (3 marks) Write Protecting Pages:
6. (5 marks) Address Space Copy:
7. (3 marks) Integration Plan and Other Information

### Implementation: submitted source code and a3-test-scripts test runs (70 Marks):

[Square brackets indicate a3-test-script tests that will be used to HELP but NOT COMPLETELY determine the grade for that portion of the assignment.]

Only the OPTIONAL portions require working system calls beyond being able to call `_exit` and to use `printf` to print to the console. If needed, see the A3 hints page for how to get that working.

1. (15 marks) Simple on demand paging in [`test-vm-basic`]
2. (5 marks) Simple on demand paging in with write to code page [`test-vm-crash`]
3. (20 marks) Simple on demand paging in with some TLB replacement [`test-vm-replacement`]
4. (30 marks) More serious demand paging in with heavier TLB replacement [`test-vm-big-no-fork`]
5. (5 BONUS marks) OPTIONAL PART 1:  
Running all of the tests from [`./run-batch-A3-option1`] successfully. Requires support for some system calls like (fork, waitpid, etc.).
6. (5 BONUS marks) OPTIONAL PART 2:  
Running all of the tests from A2 successfully [`./run-batch-A3-option2`]

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**Total (100 Marks):**