

# Lab0: Slab Memory Allocator

| Name         | Student ID  | Email        | Date      |
|--------------|-------------|--------------|-----------|
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## Fuzz Test

| Single Thread Tests | Single Thread Tests  | Multi-Threads Tests |
|---------------------|----------------------|---------------------|
| basic alloc         | alignment            | basic concurrent    |
| batch alloc         | stress               | race condition      |
| unaligned batch     | cache destroy        | cache sharing       |
| large batch         | error handling       | memory consistency  |
| huge batch          | multi cache          | performance         |
| random free         | extreme alloc        | stress concurrent   |
| ctor dtor           | corruption detection | fragmentation       |
| memory integrity    | fragmentation        | mixed sizes         |
| edge cases          | boundary conditions  | error handling      |
| reuse cycles        |                      |                     |

Passed all the 28 tests.