

Task 07: Invalidate TLB

Your Name

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Sumário

Capítulo 1

Task Description

The goal of this task is to invalidate the Translation Lookaside Buffer (TLB) after removing a memory mapping. This ensures that stale entries in the TLB do not cause incorrect memory accesses.

Capítulo 2

Planned Implementation

1. Modify the previous example where a mapping is removed.
2. After removing the mapping, call the `invlpg()` function to invalidate the TLB for the specific address.
3. Verify that the TLB is invalidated by attempting to access the unmapped address and observing the behavior.

Capítulo 3

Expected Outcome

- The TLB is successfully invalidated for the specified address.
- Accessing the unmapped address after invalidation should result in a page fault or similar behavior, as the mapping no longer exists.

Capítulo 4

Implementation Details

(To be filled after implementation)

Capítulo 5

Challenges

(To be filled after implementation)

Capítulo 6

Final Outcome

(To be filled after implementation)