OSM

G assignment 4

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1 Task 1: TLB exception handling in Buenos

The TLB load and store exceptions behave in almost the same way. Hence we will just show the code for load below. First, we retrieve the state of the current thread. Then we make a new entry and copy the badvpn2 and asid fields from the offending thread into this new entry. We then check if the 13th most significant bit of the badvaddr of the offending thread is set or not and capture the result in the is_odd variable - this checks if the page we wish to look up is odd or even.

LOAD CODE

- 2 Task 2: Dynamic allocation for user processes
- 3 Task 3: Extended tests for TLB exceptions and user-space allocation