Writeup Lab 2

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Describe any design decisions you made.

Page eviction policy: LRU with `LinkedList`. Use an array to record whether the buffer is used (as applied in lab 1) and a linked list to record the access queue.

`findLeafPage`: find recursively on internal page and if find a leaf page then return it. On internal page, first find the child that contains the field then recursively find in that page.

Splitting: First add a new page to the right. Then move half of the elements to the new page. Use the middle element to update the parent page. Remember to reset IDs.

Stealing: Move the right amount of elements. Use the middle element to update the parent page. Remember to update IDs.

Merging: Move elements in the right page to the left. Update the parent page or IDs. Set the right page empty for reuse.

Discuss and justify any changes you made to the API.

None to my knowledge.

Describe any missing or incomplete elements of your code.

None to my knowledge.

Describe how long you spent on the lab, and whether there was anything you found particularly difficult or confusing.

2 Days. Nothing particularly difficult. Debugging B+ Tree is a little bit complex but still acceptable. I suggest to move the '**Note**' on completing `insertTuple()` and `deleteTuple()` to the beginning of the document.