

Documentation

Properties of the B-TREE

Order m of the tree

- > At most m children
- > At most $m - 1$ keys in each node
- > At least $m/2$ Children in each node
- > At least $(m/2) - 1$ keys in each node

Project B-TREE is of order $m = 4$

Max Child/Node	Min Child/Node	Max Keys/Node	Min Keys/Node
4	2	3	1

Keys in node

- > All keys inside a node have to be sorted
- > All keys in the left subtree are smaller than the keys in the node (Reverse is true)

Operation

Insertion

Deletion

Searching

Traversal

Indexing for search by

Save in memory

Other