

VanillaCore Walkthrough

Part 5

Introduction to Databases

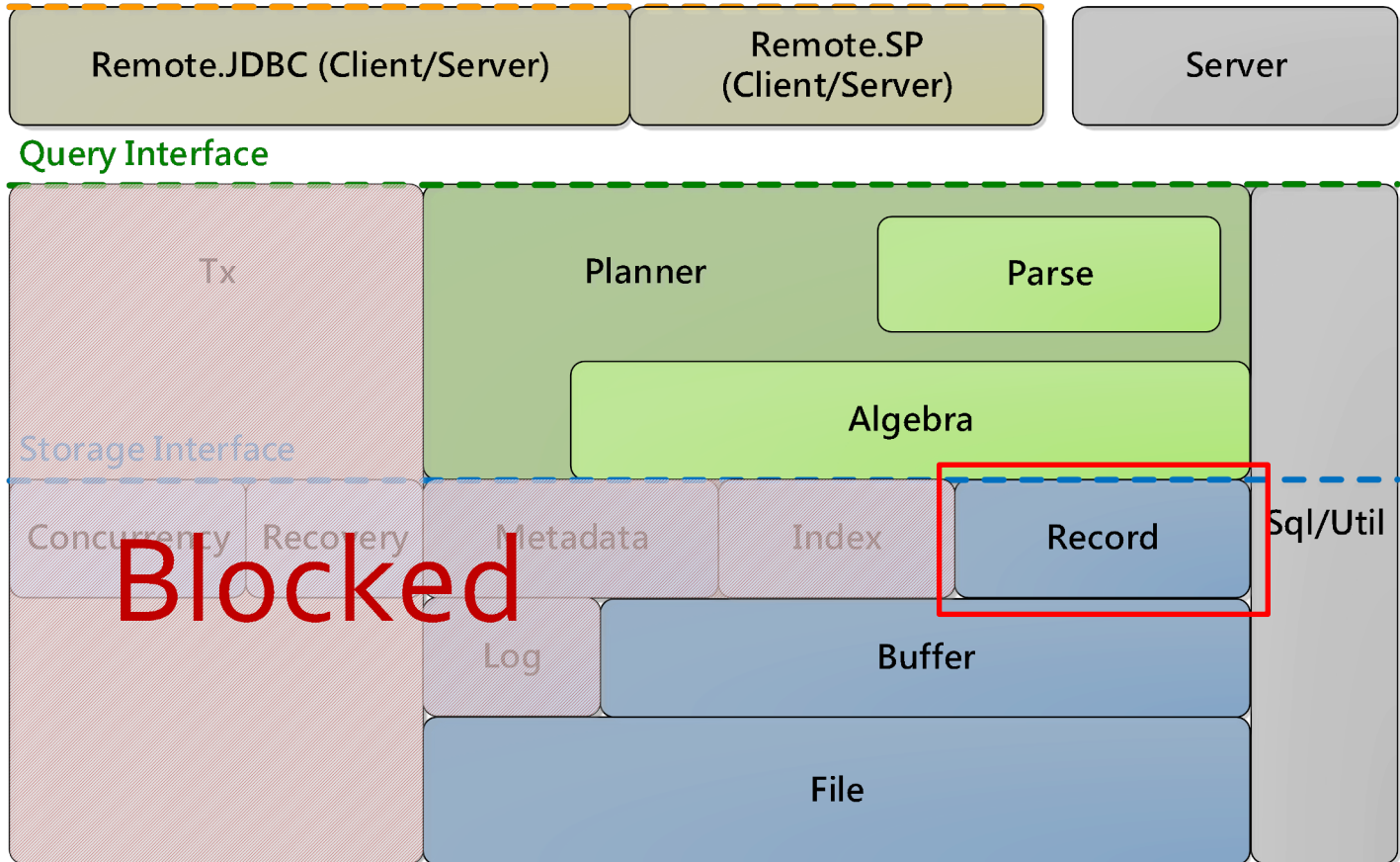
DataLab

CS, NTHU

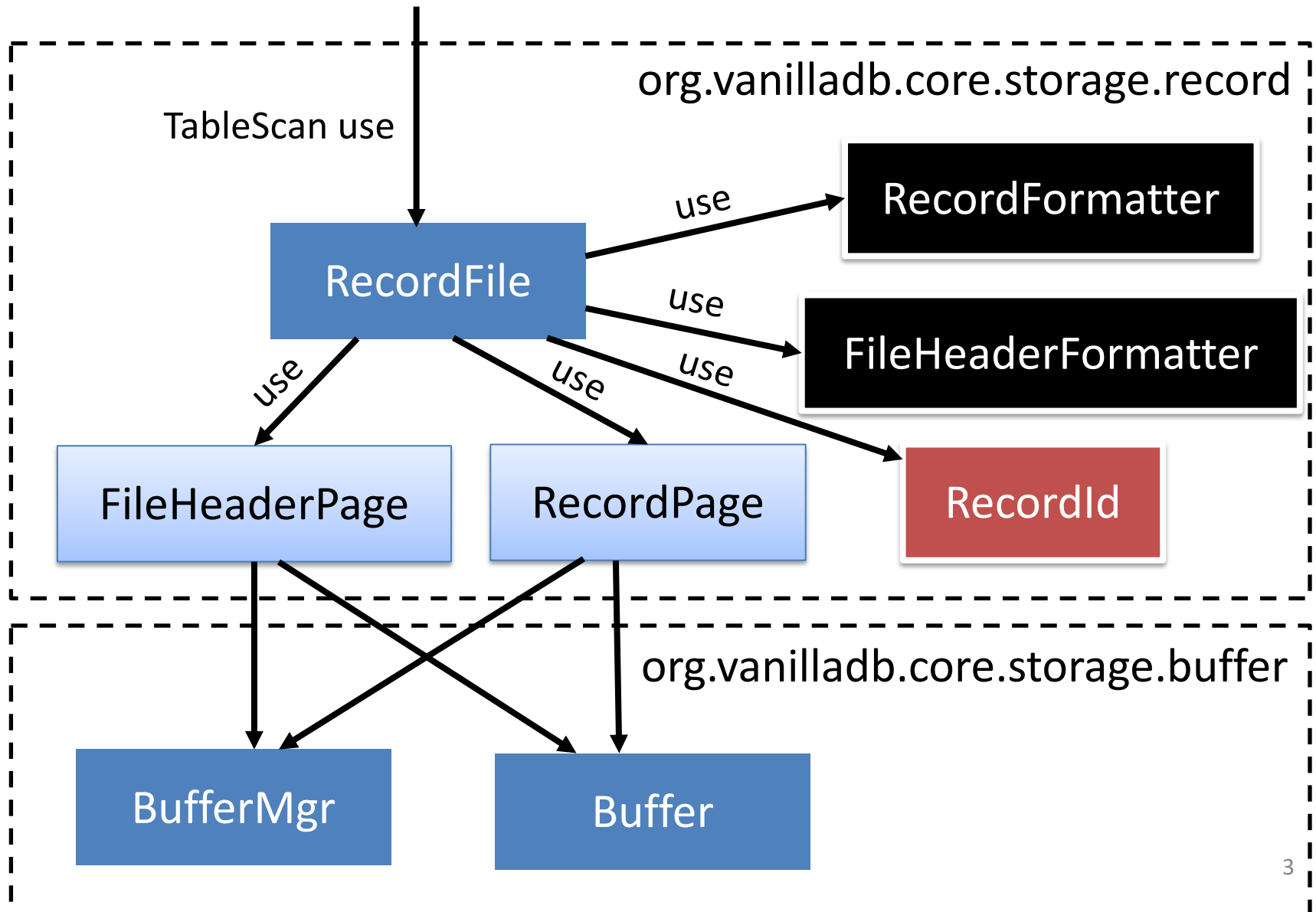
The Unlocked Modules

VanillaDB

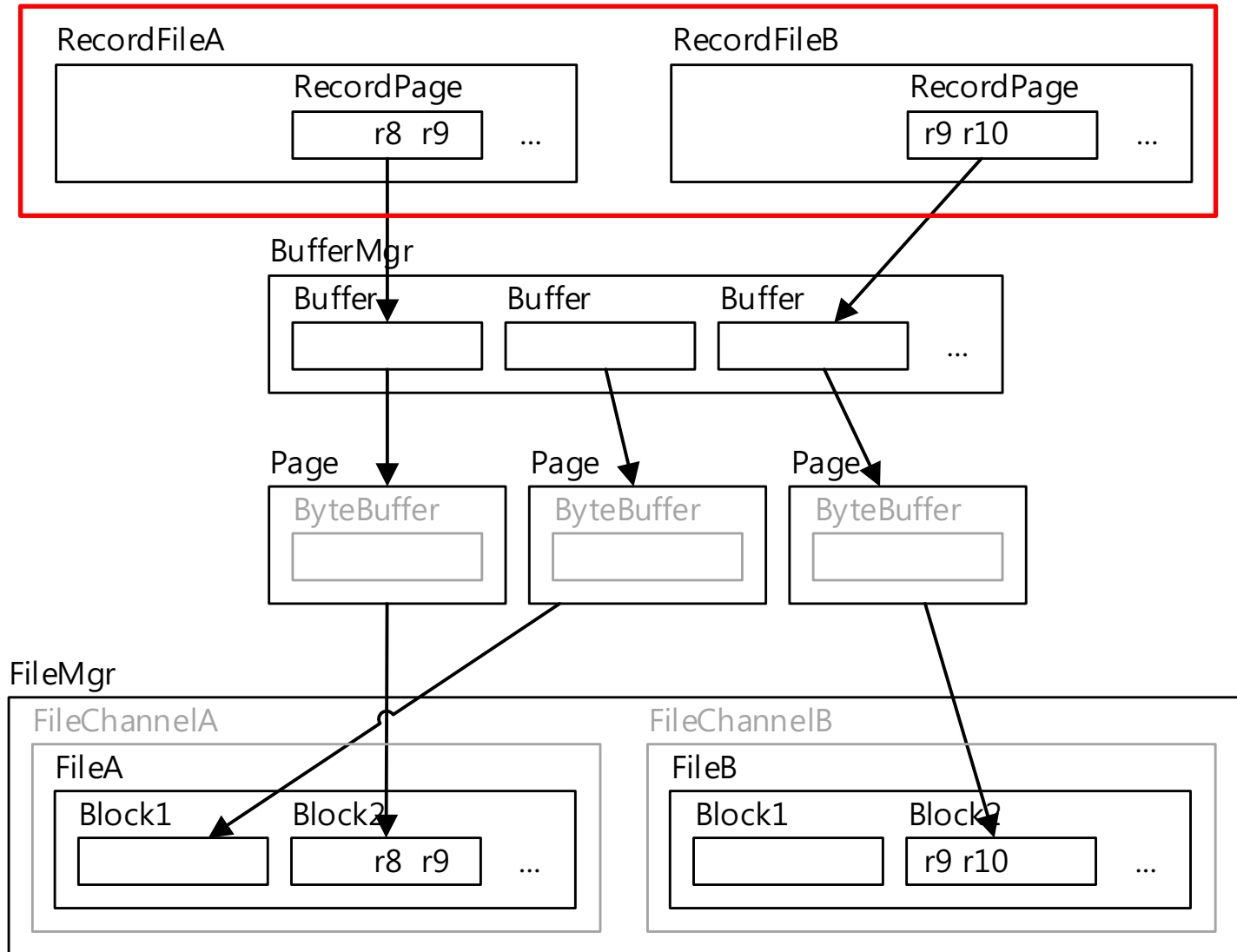
JDBC/SP Interface (at Client Side)



record Package

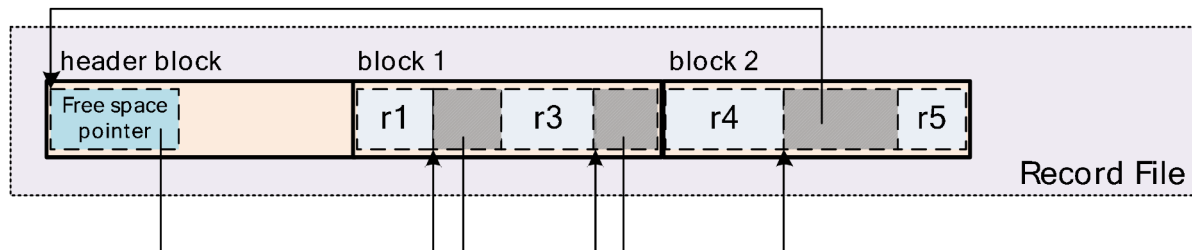


Recap of Data Access Layers

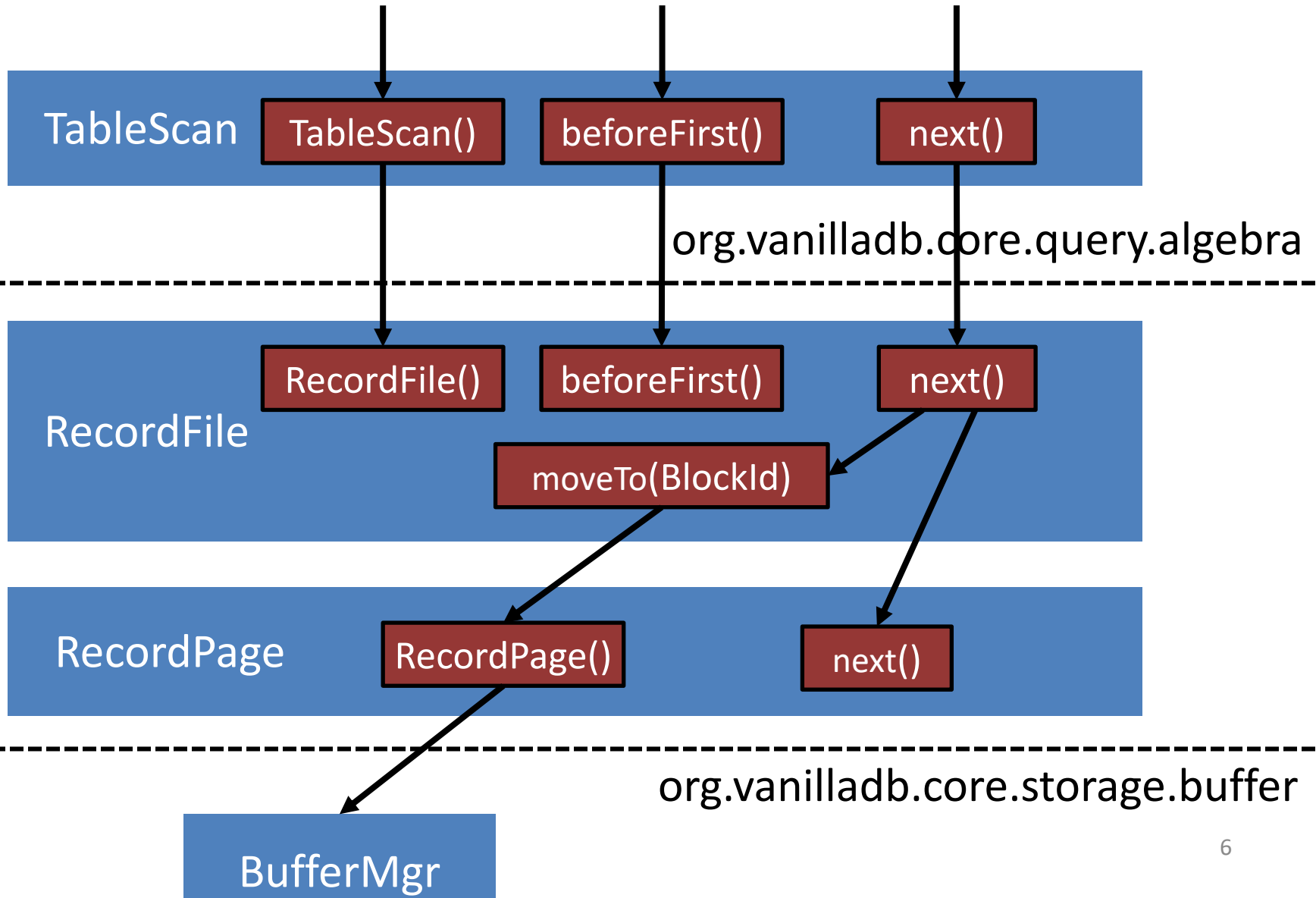


Responsibility of Each Component

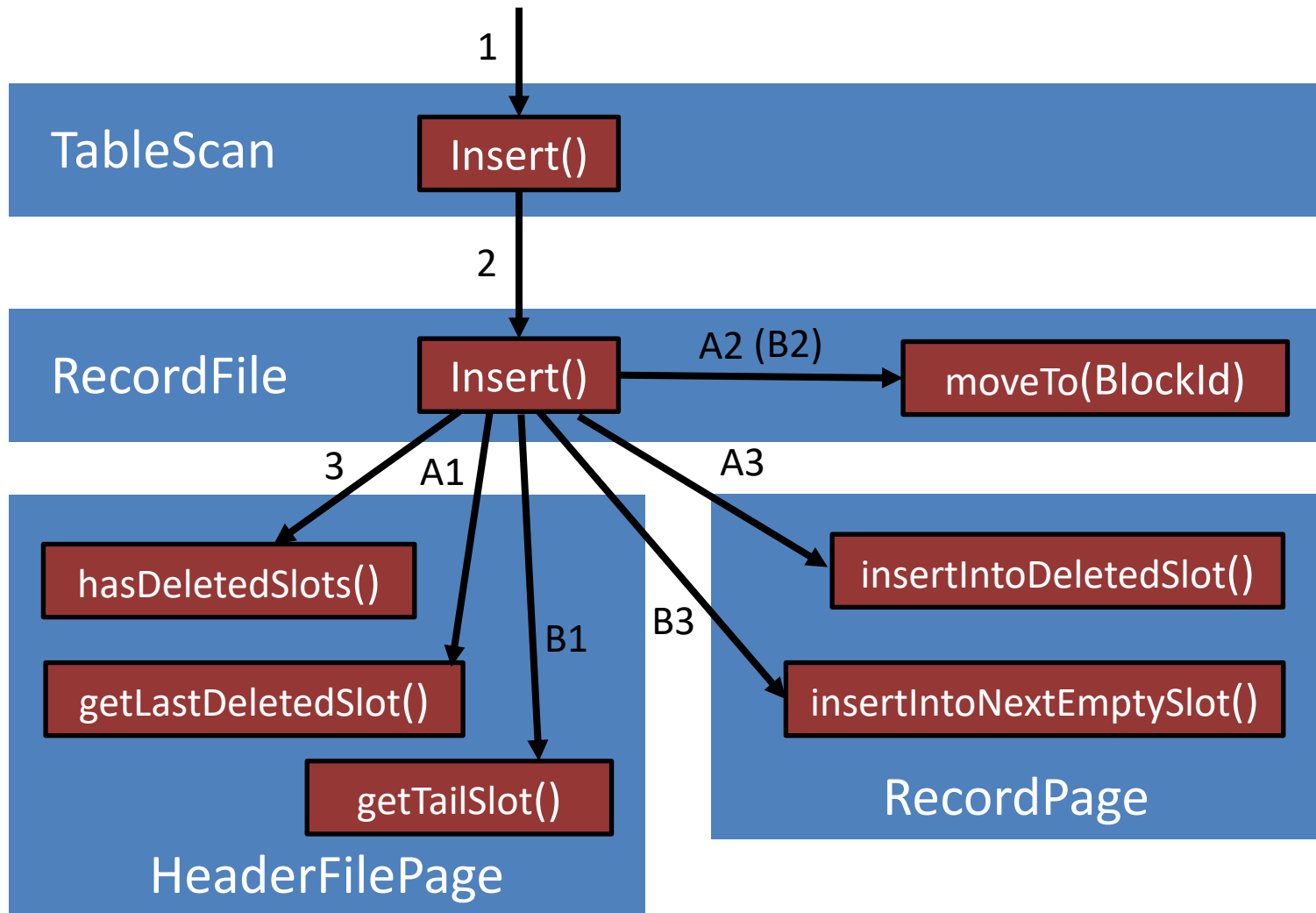
- `RecordFile`: manages a file of records and calls the concurrency manager to ensure isolation property
- `RecordPage`: lays out records in a page
- `FileHeaderPage`: header of free-space chain



How Is A Record Read?



How Is A Record Inserted?



Assigned Reading

- How is a record deleted?
- How is the free space chain maintained?