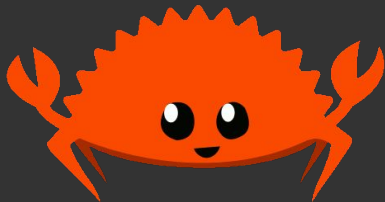


MangoDB

Milestone 3



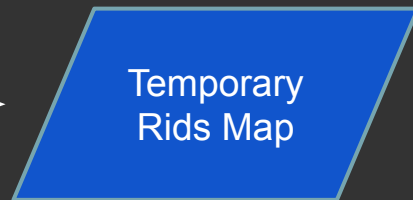
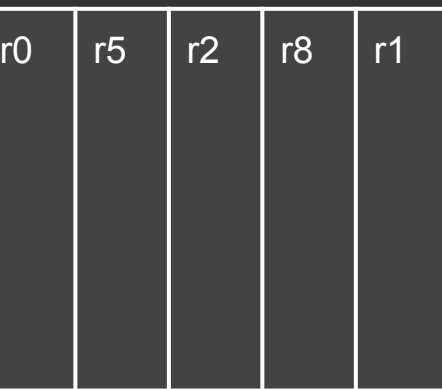
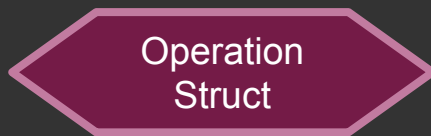
Jared G.
Dominic Q.
Abhi S.
Haskell M.
Noah K.



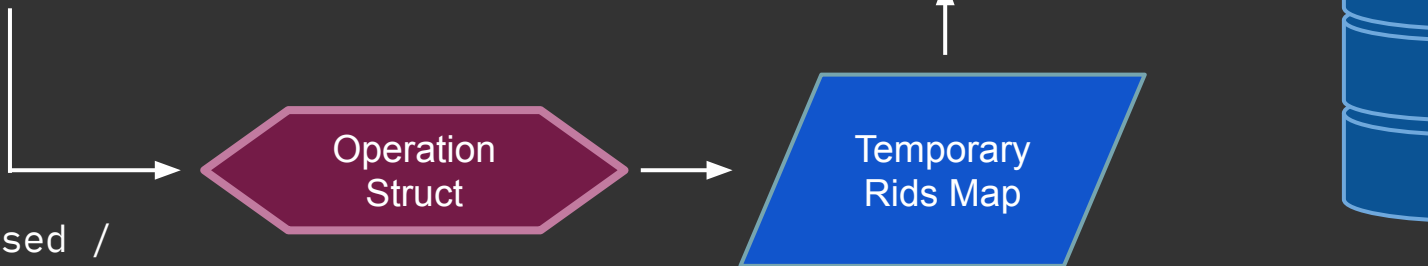
Quecc Rid Planning

Insert	Primary, ...
Select	Key, ...
Update	Primary, ...
Increment	Primary, ...
Sum	Range, ...

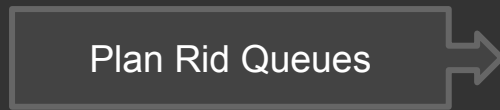
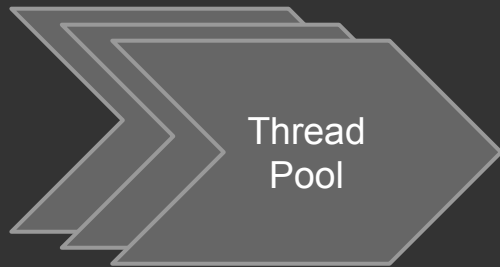
Parsed /
Abstacted



Executer
Unpack/Reinterpret

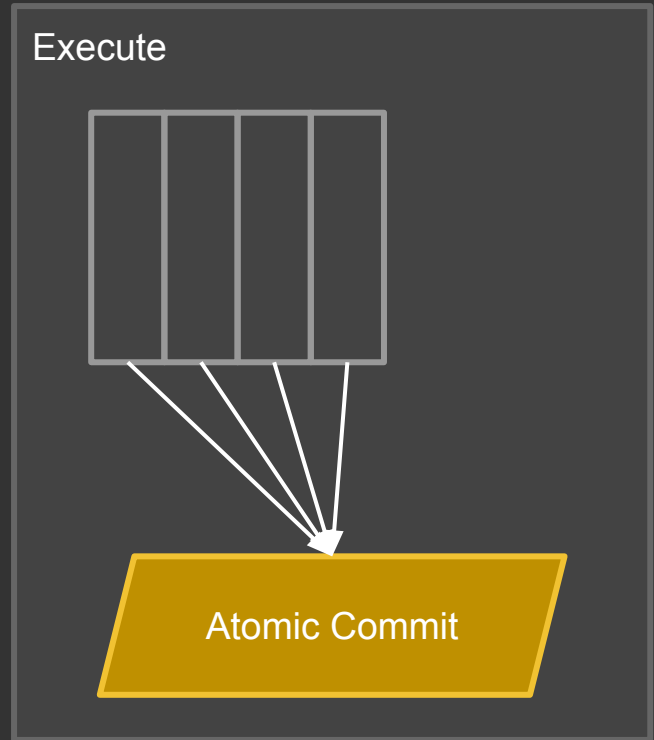


QueCC

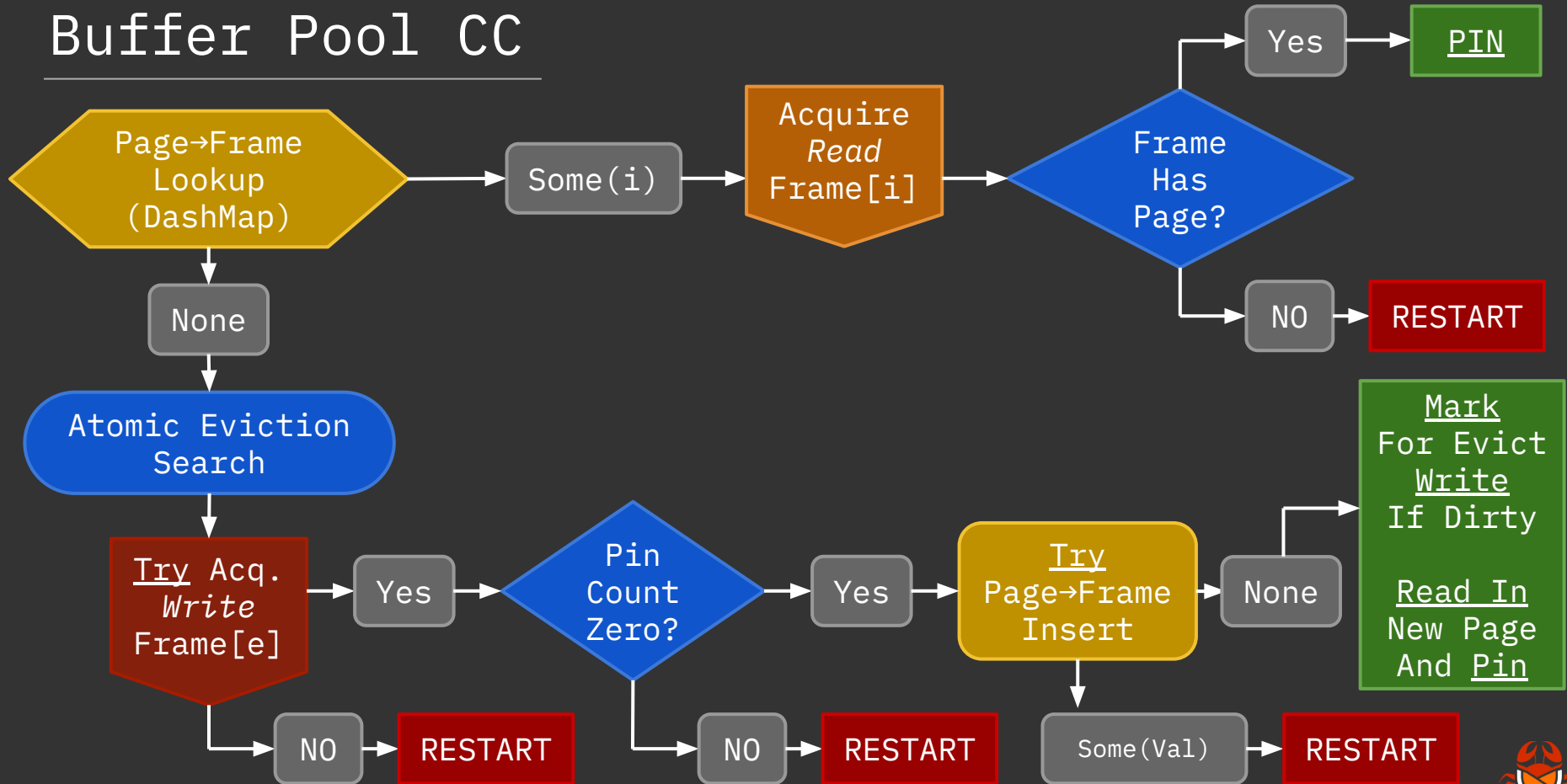


r2	r0		
r2	r0	r2	

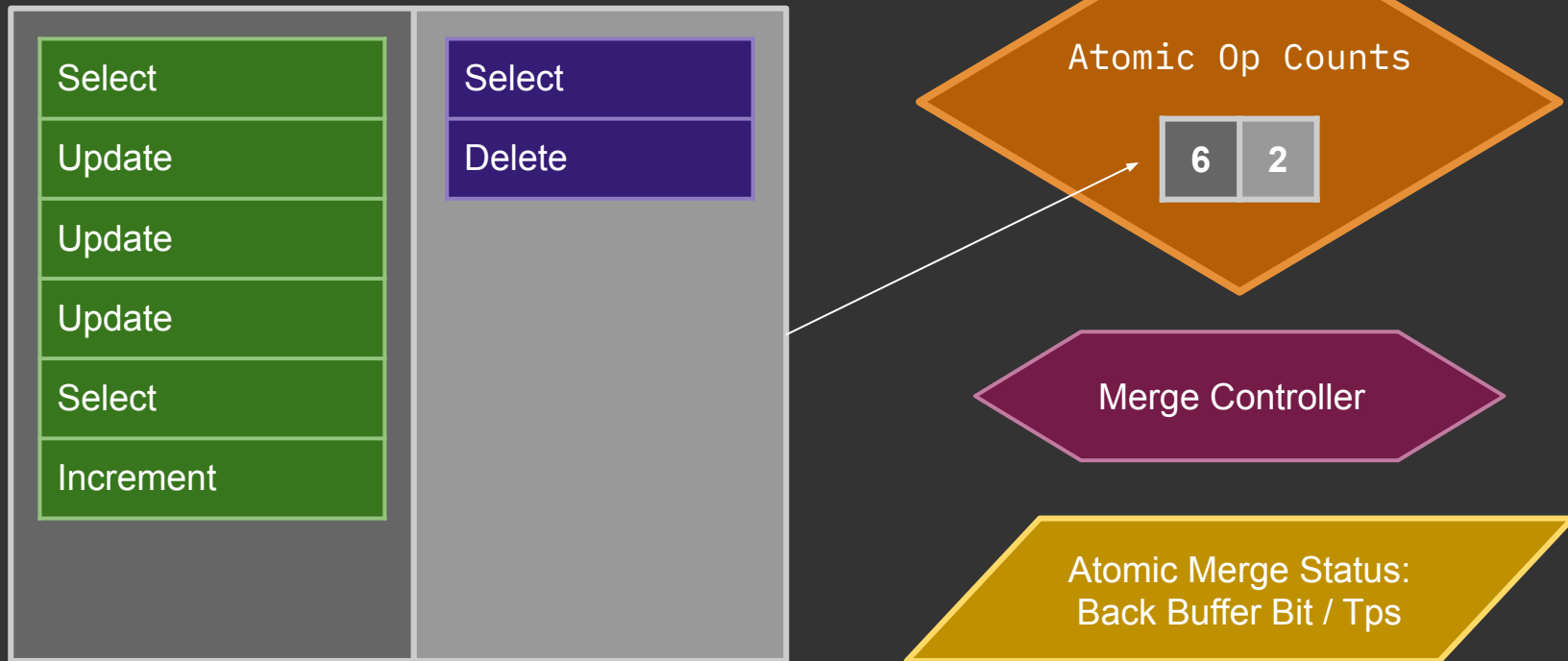
	r2		r3
r1	r2		r3
r1	r2	r4	r3



Buffer Pool CC

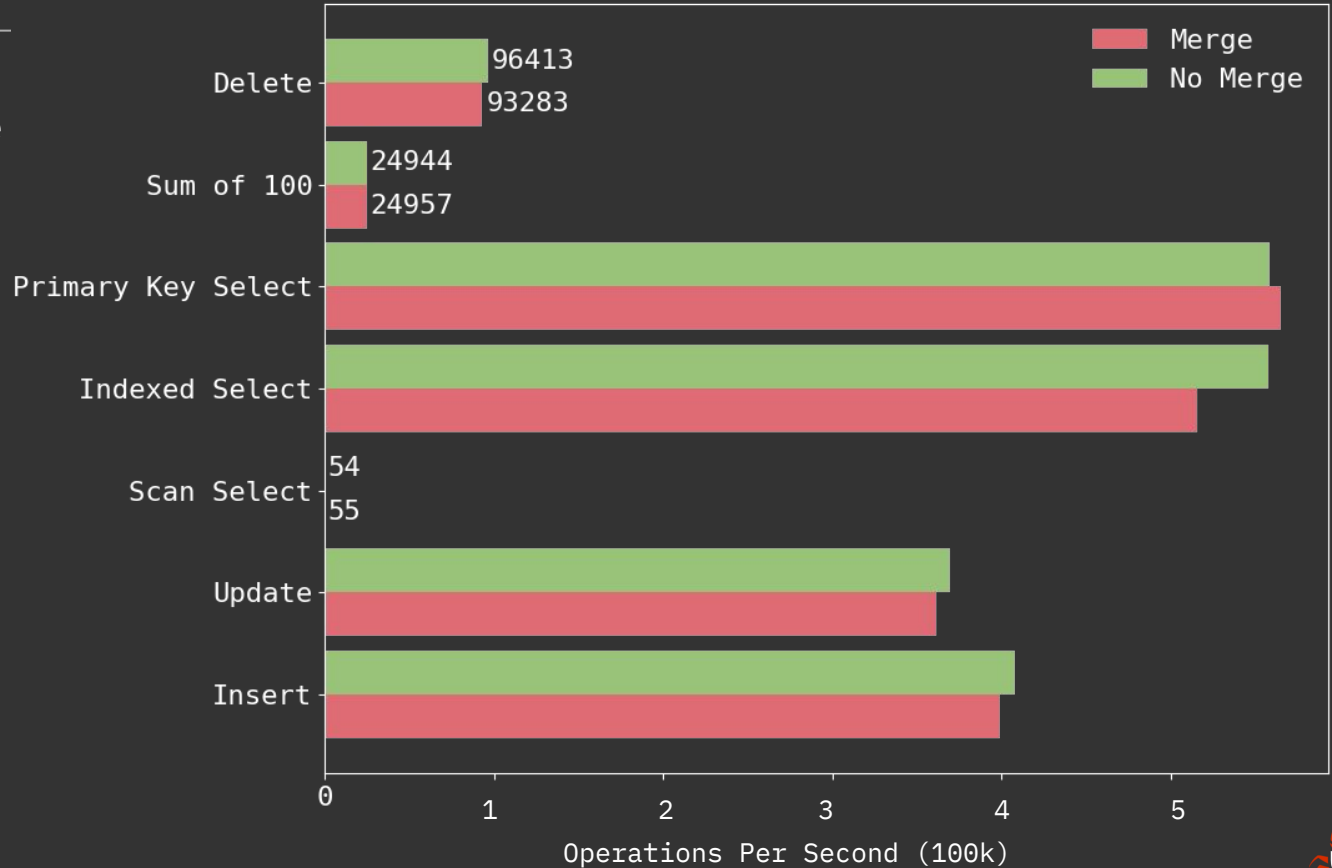


Schema Encoding Sync



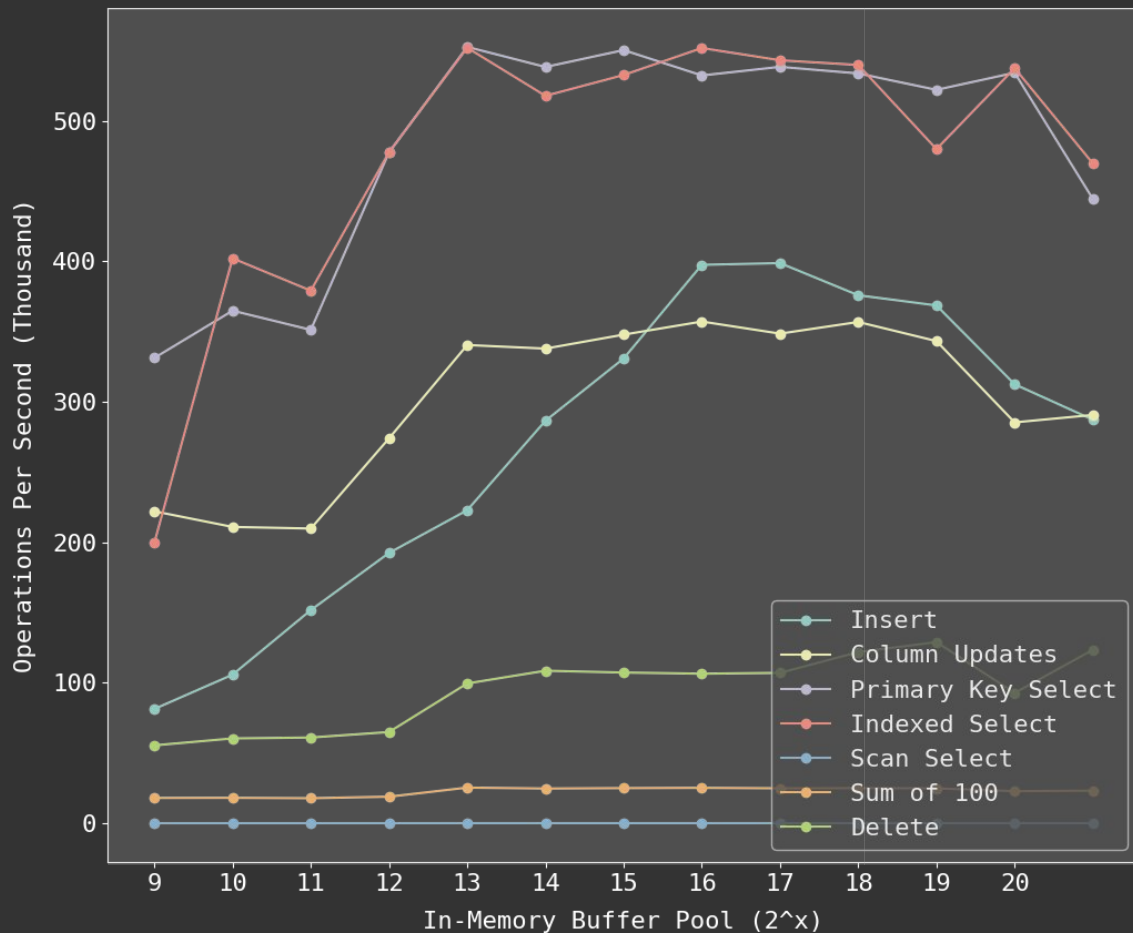
Benchmarks

Merge Vs. No Merge



Benchmarks

Buffer Pool Size



Potential Optimizations

Custom Thread pool / async runtime

Lock-free data structure integration

SIMD operations

FFI

Non Cumulative Updates

- Tightly Packed Columns

