Memory Profiling Cheat Sheet

CONSTRUCTORS

IF Retained Size is **much bigger** than Shallow Size **THEN**
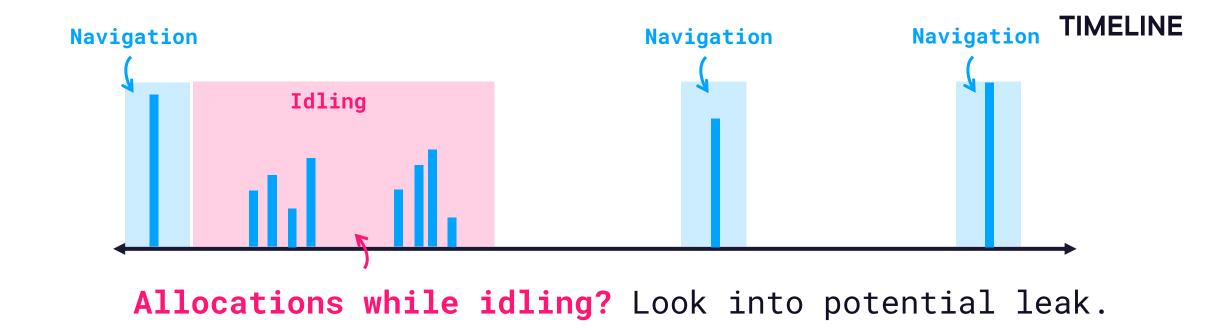
Inspect tree

RETAINERS

Objects that are preventing memory from being released

ParentFunction
  RetainingFunction1
  RetainingFunction2
    FurtherRetainingFunctionN

👀 **Look suspicious**?

SNAPSHOTS

A → Do stuff → **B**

Compare allocations since A

TIMELINE

Navigation

Idling

Navigation

Navigation

Allocations while idling? Look into potential leak.

Steps

1. Use a clean browser profile and open Memory dev tool

2. Open a scratchpad and your test checklist/SOP

3. Close any intensive apps that might affect measurements

4. Profile the flow, running through your steps
   Heap Snapshot to analyze memory at a point-in-time
   Profile Instrumentation to analyze memory usage over time

5. Analyze the Constructors and Retainers tree
   📝 Record findings, but avoid diagnosing

6. Save profile in shared storage to refer to later