Day - 2

29 July 2025 10:15

JVM (Java Virtual Machine) :—

Runtime env. that allows java bytecode to be executed on any platform.

Classloader.

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Runtime Data Areas.

- Method
- Heap
- Java stack
- Program counter
- Native method stack

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execution engine (compiler, Interpreter ...)

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Native Interface (JNI)

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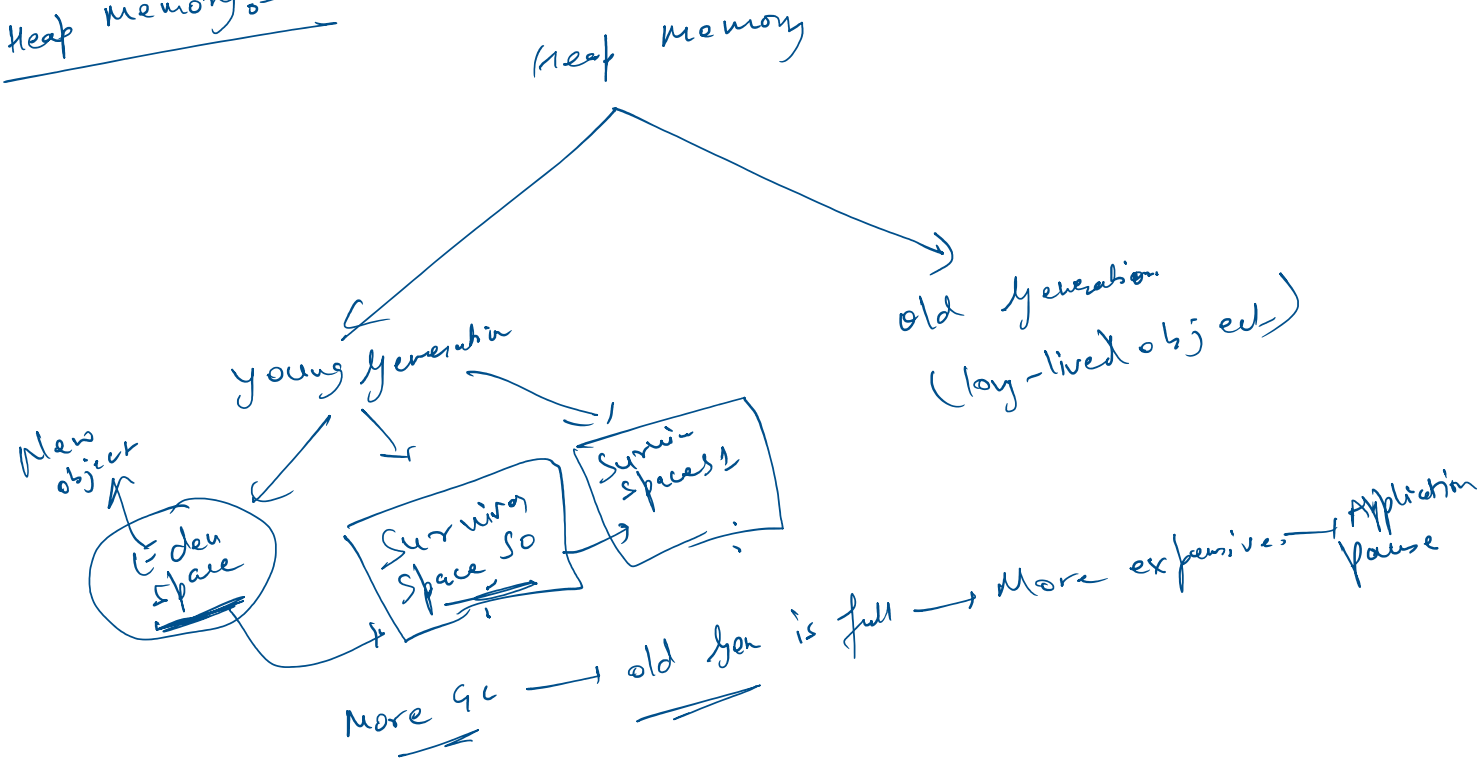
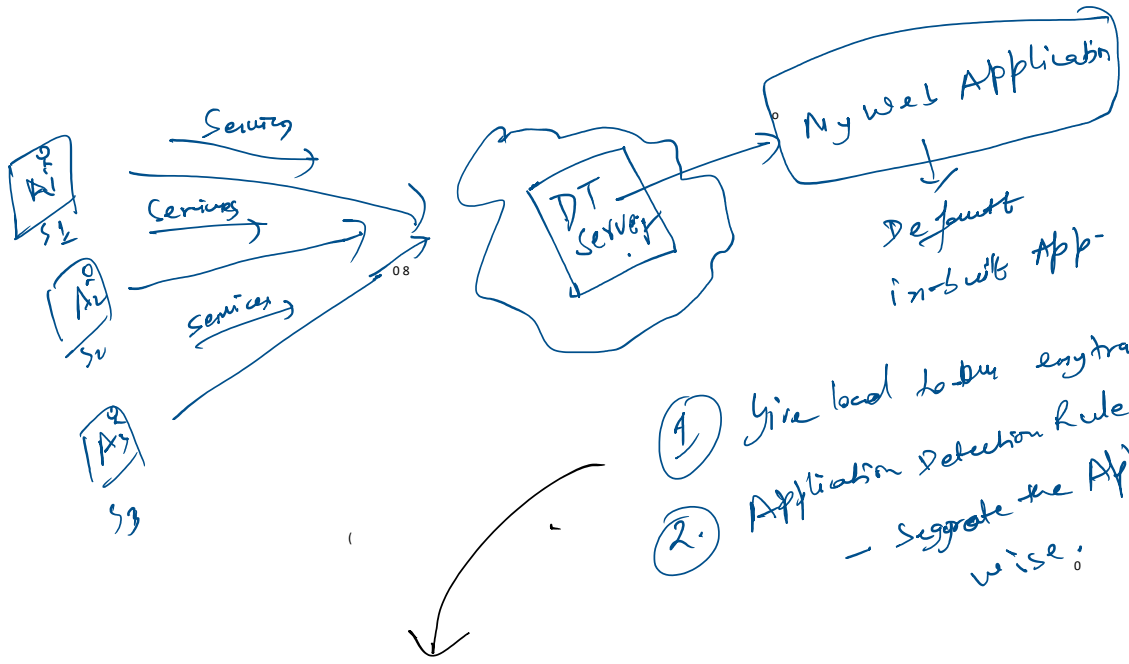
Native Libraries

Heap Memory :—

class / objects → Allocate memory





1. Give local to the engtravel App
2. Application Detection Rule.
   - Segregate the App on the service wise:

(1) Rule-
(2) Disable the service injection in Default App. (My Web App)

XHR → XMLHttpRequest → Action → Javascript / AJAX & API calls.

(1) Single Page App. → Angular, js, React
(2) Calls (Ajax or API)
(3) Dynamic page update using JS.

Apdex :- Transaction in DT, Based on the performance threshold set, Dynatrace do the rating. ex → Page load, Image etc. → KPM

0 - 0.5 → Unacceptable
0.5 - 0.7 → Poor
.85 → Fair
0.85 - 0.94 → Good
0.94 - 1 → Excellent

0.5 - 0.7 →

0.7 - 0.85 → Fair

INP (Interaction to next paint):-

core web vital metrics → Google

(1) Responsiveness
(2) latency.

(1) User interaction
(2) Next Visual update

≤ 200ms → Good
200-500ms → Need improvement
> 500ms → poor

As Google guidelines.

Use?

(1) slow Rendering or heavy JS blocking the URL
(2) SPAs (Single Page App.) Dynamic content