



Asynchronous Grading Architecture Design

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Storage Design

Data structure to store Request ID and their states.

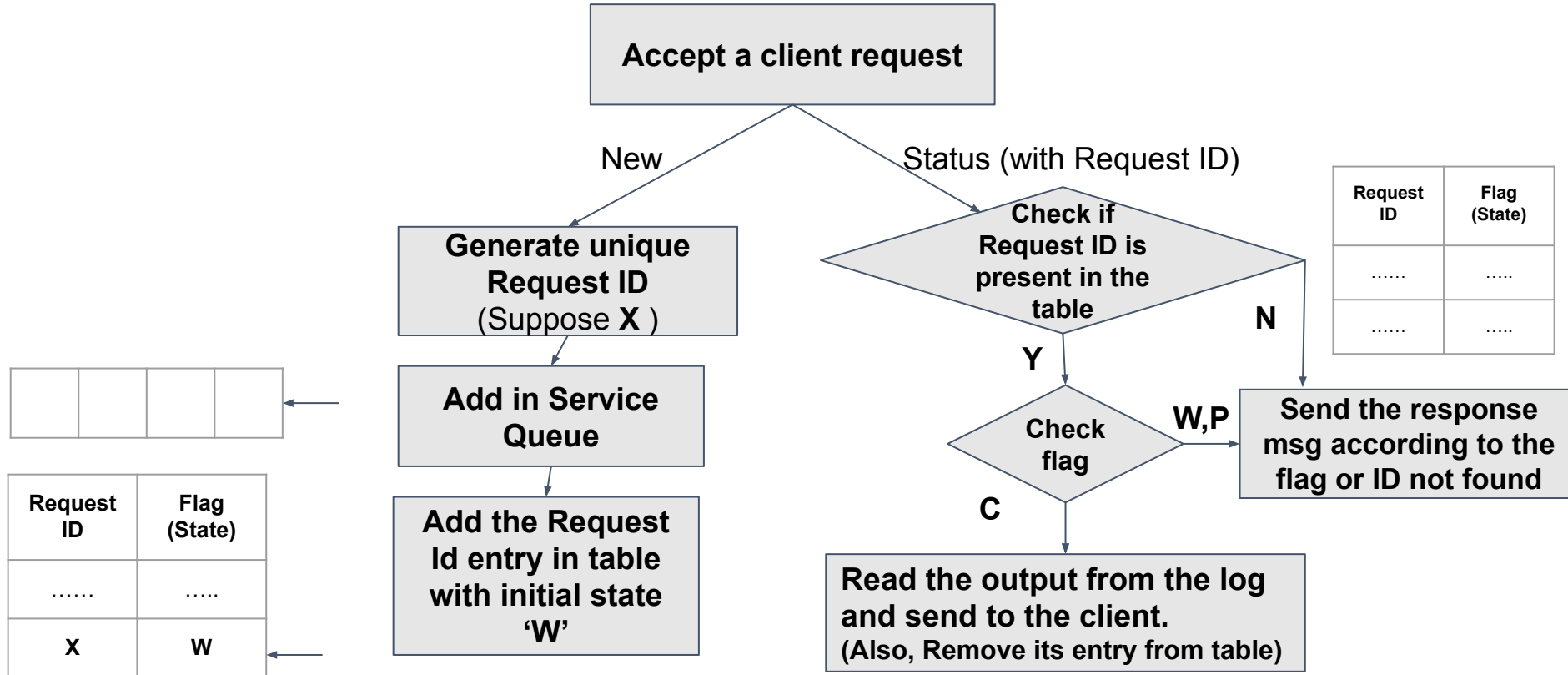
Request ID	Flag (State)
.....

There will be three types of Flags (States) :

- ➔ **W** : The request is waiting in a queue.
- ➔ **P** : The request is picked up by a working thread for processing.
- ➔ **C** : The request is processed by a thread.

Note: When flag becomes C, we store the output in the log file.

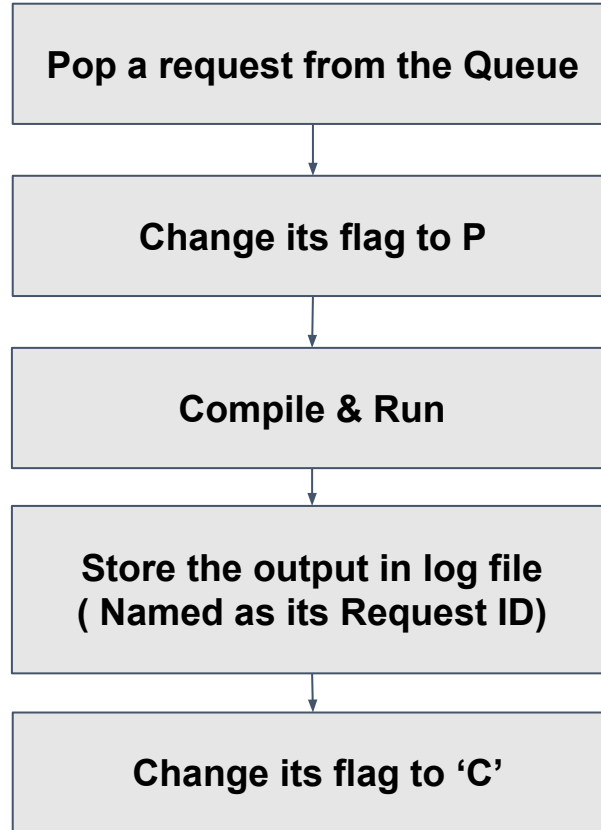
Main Thread Design



Worker Thread Design

Request ID	Flag (State)
.....
X	P

Request ID	Flag (State)
.....
X	c



Front



धन्यवाद!

