AssignmentAI Fill-In Task — DOCX

# Instructions

• Fill every placeholder of the form <<<ANSWER\_n>>>.

• Complete the table with reasonable values.

• Write a 100–150 word summary and a 3-item checklist.

# Prompt

Topic: Designing a rate limiter for a multi-tenant API.

Constraints: burst traffic, fairness, latency SLOs, cost.

# Table to Complete

|  |  |  |
| --- | --- | --- |
| Metric | Target | Rationale |
| P95 latency | <<<ANSWER\_1>>> | <<<ANSWER\_2>>> |
| Error budget | <<<ANSWER\_3>>> | <<<ANSWER\_4>>> |
| Max burst | <<<ANSWER\_5>>> | <<<ANSWER\_6>>> |

# Summary (100–150 words)

<<<ANSWER\_7>>>

# Checklist

1) <<<ANSWER\_8>>>

2) <<<ANSWER\_9>>>

3) <<<ANSWER\_10>>>