***Q2) Make a test plan***

**Test Plan**

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| **Category** | **Description** |
| **Test Plan ID** | TSTPLN-SIGNUP-01 |
| **Test Plan Name** | Test Plan – Performance Test for Signing up users |
| **Software/App Version** | App v1.0.0 |
| **Date** | 20241220 |
| **Author** | Premkumar Vincent |
| **Objective** | The signup module in the application should be able to handle up to 10,000 concurrent users. Make a performance test to load-test the module. |
| **Scope** | **Module:** Sign-up page  **Functionalities:** Allows users to make a user-profile  Can handle upto 10,000 users concurrently |
| **Test Strategy** | Load-Test:  Using JMeter (open-sourced) and multiple machines running the tests concurrently)   * If license for LoadRunner is available, it is suitable for load-testing cloud environments more than JMeter |
| **Pass/Fail Criteria** | Should be able to handle 10,000 users concurrently |
| **Suspend/Resume Criteria** | Suspension criteria is met if test case fails |
| **Test Deliverables** | Test plan, Test cases, Bug reports, Test report, Issue logs |
| **Testing Schedule** | Scheduled based on how long it will take to run the test |
| **Resource Requirements** | **Pre-requisites:**  Test tools like LoadRunner (or JMeter is LoadRunner is not available) |
| **Risk Analysis** | Low risk as resource requirements is met  Testing schedule is short enough to not make contingency plan |
| **Approval** | <*Project Lead/ Team Lead*> |