SB Works – Performance Testing Documentation

Performance testing ensured the platform performs efficiently under various scenarios.  
  
1. Load Testing: Simulated 1000+ concurrent users accessing dashboards and bidding on projects.  
2. API Testing: Used Postman and JMeter to validate response times and reliability under high load.  
3. Frontend Testing: Checked responsiveness on mobile, tablet, and desktop.  
4. Database Testing: Assessed MongoDB performance for data read/write operations at scale.  
5. Results: APIs maintained <200ms average response, database scaled well with no major lags, and UI remained responsive.  
  
Future improvements include caching, database indexing, and CDN integration for frontend delivery.