

Technical Requirements - Warista

The technical requirements for Warista aim to establish a robust, scalable and secure online marketplace. This document outlines the key specifications needed to support Warista's functionality and growth.

1. Platform Architecture:

- Modular Design: To allow easy updates and feature additions.
- Scalability: Capable of handling increasing user traffic and data volume.
- High Availability: Ensuring minimal downtime with reliable server infrastructure.

2. Frontend Requirements:

- Responsive Design: Optimized for mobile, tablet and desktop devices.
- User-friendly interface: Clean and intuitive UI/UX for seamless navigation.
- Modern frameworks: Utilization of react, Angular or Vue.js for dynamic content rendering.

3. Backend Requirements:

- Robust API Architecture: RESTful or GraphQL APIs for efficient data exchange.
- Secure Authentication: Implementation of OAuth, JWT and secure password hashing.
- Database Management: Use of SQL or NoSQL databases with regular backups.

4. Security Measures»

- Data Encryption: SSL/TLS protocols for secure data transmission.
- Regular Security Audits: To identify and fix vulnerabilities promptly.
- Compliance: Adherence to data protection regulations like GDPR.

5. Payment Integration»

- Multiple Payment Options: Support for credit/debit cards, digital wallets and bank transfers.
- Secure Payment Gateways: PCI-DSS compliant systems for transaction security.

6. Performance Optimization»

- Caching Mechanisms: To reduce load times and enhance user experience.
- CDN Usage: For faster content delivery globally.
- Load Balancing: To distribute traffic evenly and prevent server overloads.

7. Monitoring and Maintenance»

- Real-Time Monitoring: For tracking system performance and uptime.
- Automated Alerts: Notifications for system failures or anomalies.
- Regular updates: Continuous deployment practices for feature updates and bug fixes.

Warrista's technical framework is designed to support a seamless, secure and scalable e-commerce environment, fostering growth and enhancing user satisfaction.