

# BizzHome

## Project Deliverable 3- Technical Constraints and Non-Functional Requirements

### Technical Constraints

---

Technical constraints are limitations or restrictions imposed on the system to guarantee correct operation. Here are a few technical requirements for our project:

- **Security:** Security is critical in a platform that handles sensitive information such as passwords, financial information, and personal information. The website must have strong security measures in place to prevent unauthorized access, use, disclosure, interception, or destruction of this information.
- **Scalability:** As the platform expands, so will the number of users and job posts. The website should be structured in such a way that it can accommodate this expansion while still performing efficiently.
- **Integration with external APIs:** For payment processing and job referrals, the website may need to interact with external APIs such as Stripe. The platform should be able to manage these integrations without any problems.
- **Mobile optimization:** With an increasing number of consumers accessing the internet via mobile devices, it's critical that the website be mobile-friendly. This includes a responsive design, simple navigation, and a positive user experience.

### Non-Functional Requirements

---

Non-Functional Requirements are a set of requirements that specify the system's desirable attributes. Here are a handful of our project's non-functional requirements:

- **Performance Requirements:** A website's performance is crucial. Non-functional criteria should be used to specify the intended degree of performance, such as response time, processing speed, and throughput. For example, for 90% of users, the page should load in less than 2 seconds.
- **Scalability Requirements:** As the platform expands, it must be able to accommodate an increase in workload or user demand. The system's scalability criteria should describe how effectively it should manage this increase.
- **Usability Requirements:** A website's success is heavily reliant on the user experience. The criteria for usability should define the simplicity of use, learnability, and user pleasure. Users, for example, should be able to simply browse the site and locate the information they want.

- **Reliability Requirements:** The website must be trustworthy and always available. Non-functional criteria should be used to specify the intended level of reliability and availability. For example, the website should have a 99.9% uptime or greater.
- **Security Requirements:** Security is an essential component of any platform that handles sensitive data. The actions that should be taken to secure the system and its data from unauthorized access, use, disclosure, interception, or destruction should be specified in the security requirements. For example, any sensitive data, such as payment information, should be encrypted and securely kept.
- **Compliance Requirements:** The system may be required to comply with regulatory, legal, and industrial norms. These criteria, as well as the means to assure compliance, should be specified in the compliance requirements. For example, the website may be required to adhere to privacy requirements such as GDPR (General Data Protection Regulation).