Technical Requirements and Specifications - European League Football Gaming App

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Purpose

This document seeks to identify the mandatory technical specifications and requirements that will be integrated within the system. Consequently, providing the client with the system that is; portable, easily maintained and offer the best in class for user experience.

The document will comprise a detailed list of software and hardware components that will be integrated in the development of the system. The requirements were developed in consultation with our client. The client would have played the lead role in identifying the software and hardware needs.

Our team will ensure that the requirements and specifications are in keeping with best practices. It will guide the design and development that will provide our client with an application delivering maximum uptime and supporting at its core a secure and reliable IT infrastructure.

**TECHNICAL REQUIREMENTS/SPECIFICATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **PRIORITY** | **H = High** | **M = Medium** | **L = Low** |
| **AVAILABILITY** | **A= Available as standard** | **C = Available with Customisation** | **N= Not Available** |
| **CUSTOMISATION** | **S= Simple** | **M= Moderate** | **C = Complex** |

| **REF #** | **TECHNICAL**  **REQUIREMENTS** | **PRIORITY** | **AVAILABILITY** | **CUSTOMISATION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
| TRS-1 | **3-Tier Application Architecture** | H | A | S | Recommended approach to provide the best flexibility - dB>API>UI |
| TRS-2 | **Compatibility** | H | A | S | Should be able to run on Windows OS (v6-present), Apple iOS, Android, etc |
| TRS-3 | **Database Mgmt System** - RDBMS (SQL - Postgres) | H | A | S | Supports ODBC, ability to integrate JSON |
| **TRS-5** | **DB Security and Admin** | H | A | S | Facilitates system and application security controls to prevent unauthorised use of the database, restrict access to the database, maintain database process controls, and log all database transactions |
| TRS-6 | **Portability** | H | A | S | Ability to easily transfer from the current hardware/software to other environment |
| TRS-6 | **DBMS - Facilitate backup/restore procedures** | H | A | S | Should include -   * recovery/restart process * control/balancing procedures * Security procedures * Roll-back queries - restart jobs that didn't run to completion |
| TRS-7 | **Compliance - ISO standards governing software development/testing and deployment** | H | A | N/A | Compliance to all relevant software development standards for example ISO270001 - Information Security |
| TRS-8 | **Facilitates Workflow Setup -** | M | M | M | Ability to set up Forms so as to streamline repetitive processes which may require multiple levels of authorisation (electronically) to finalise the process. |
| TRS-9 | **Source Code Ownership** |  |  |  |  |
| TRS-10 | **Scalability** | H | A | M | Ability to facilitate the additional modules (leagues/championship) |
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