**Dr. Amr Ali Saad.**

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**Requirement & Specification.**

**Non-Functional Requirement: -**

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| ***First: System Structure: -***   |  |  | | --- | --- | | **1.** | **-All Data and User Interaction with the system is stored in Database.** | | **2.** | **System interfaces for example:**  **- Main interface**  **- Main admin panel**  **- Users panel: depending on each role privileges**  **- Reporting panel**  **- Dashboard panel** | |

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| ***Second: Security and encryption: -***   |  |  | | --- | --- | | **3.** | **-Only administrator have Permission to Change What a User Can do on the System.** | | **4.** | **-Users must be change password at after period, if they have not changed it within the length of time established as “password expiration duration”** | | **5.** | **-The initial password may never be reused.** | |

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| ***Third: Integration with other Systems: -***   |  |  | | --- | --- | | **6.** | **-System must integrate with a banking system for online payments.** | | **7.** | **-Make Integration with Medical lab.** | |

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| ***Fourth: Logs: -***   |  |  | | --- | --- | | **8.** | **-A system has a Fully detailed action logging, with easily retrieval interface.** | |

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| ***Fifth: Performance: -***   |  |  | | --- | --- | | **9.** | **-Is highly responsive and under highly efficient** | | **10.** | **-Database should handle continuous data growth continuously.** | |

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| ***Sixth: Design Extension: -***   |  |  | | --- | --- | | **11.** | **-Use High Resolution Images & Compress that to Ensure Small Size & High Quality**. | | **12.** | -**MUST Be compress all design are posted.** | |

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| ***Seventh: Error Fixing and Exception: -***   |  |  | | --- | --- | | **13.** | **-All Error should to be fixing and exception to add and send to handle these data.** | |

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| ***Eight: Interface: -***   |  |  | | --- | --- | | **14.** | **-System Interface must use bootstrap to receive to any different Screen Sizes.** | | **15.** | **-Used a Clear Color to Make a Good Design to be Comfortable for his Visions.** | | **16.** | **-Doing Advantage to Make Sure Metadata.** | | **17.** | **-Design Compatibility with all internet browsers (Microsoft Explorer, Edge, Firefox, Chrome, and Safari).** | |

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| ***Ninth: Archiving: -***   |  |  | | --- | --- | | **18.** | **-Make sure to Complete user Guide.** | | **19.** | **-Make sure there is GUI to Monitor System Archiving.** | |

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| ***Tenth: Languages: -***   |  |  | | --- | --- | | **20.** | **-Guarantee localizations feature available to make sure to Add is wanted language.** | | **21.** | **-system interface support more than language.** | |

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| ***Eleventh: Site map: -***   |  |  | | --- | --- | | **22.** | **-Guarantee Site Map Available to All system pages.** | |

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| ***Twelfth: Hardware: -***   |  |  | | --- | --- | | 23. | **-Ability to Integrate with any Scanner(A4\A3).** | | **24.** | **-Ability to integrate with any printer (A4\A3).** | | **25.** | **-Ability to Integrate with any (audio-video Hardware-Software).** | | **26.** | **-Ability to integrate with figure print recognition Hardware.** | | **27.** | **-Ability to integrate of system with Heart rate monitor.** | | **28.** | **-Ability to integrate with E-Signature Hardware.** | | **29.** | **-Ability to integrate with Figure Print Recognition Hardware.** | |

**Thank You!**