Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 27 October 2022 |
| Team ID | PNT2022TMID31946 |
| Project Name | Project: Smart Lender – Applicant Credibility  Prediction for Loan Approval. |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Applicant Registration | Registration through Form Registration through Gmail  Registration through LinkedIN |
| FR-2 | Applicant Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Applicant Data export process | A Process where applicant admin taking member data  from bank to be analysed in web applicant. |
| FR-4 | Applicant Data Management | Web portal admin is able to add, edit, or erase  applicant data or user data. |
| FR-5 | Bank Data Management | Web Portal admin is able to add, edit, or erase Bank  data or eligibility criteria. |
| FR-6 | **Compliance requirements** | Application might need to comply with several regulations. These could include data privacy, information security, transparency, and various other  aspects. Document them in detail. |
| FR-7 | **Data Retention** | * Proposed application system handling archival, retrieval, and retention of historical data. * Provide sufficient details concerning these are process. |

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The error rate of users submitting their details at the  checkout page mustn’t exceed 10 percent. |
| NFR-2 | **Security** | Authorization access scenarios and definitions, hand-over procedures for Student records between  University. |
| NFR-3 | **Reliability** | Physical and technical environment constraints  including integration and portability concerns. |
| NFR-4 | **Performance** | * Speed, reliability, and capacity of the system. * The landing page supporting 5,000 users per hour |

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|  |  | must provide 6 second or less response time in a Chrome desktop browser, including the rendering of  text and images and over an LTE connection. |
| NFR-5 | **Availability** | The web dashboard must be available to US and IND user 99.98 percent of the time every month during  business hours EST & IST. |
| NFR-6 | **Scalability** | * Horizontal scaling is provided by adding more   machines to the pool of servers.   * Vertical scaling is achieved by adding more CPU and RAM to the existing machines. |
| NFR-7 | Cultural and Political | Cultural, political, and legal factors affecting the system including best-practice standards, government regulations, professional standards,  location specific policies and practices |
| NRF-8 | Portability | A program running on Windows 10 must be able to run on Windows 11 without any change in its  behaviour and performance. |