Team Project

Deliverable 2 – Requirements Specifications

CSCE 5430 (Spring 2022)

1. Written requirements specifications (more information and a template will be given and discussed in class):
   1. All functional requirements
   2. All non-functional requirements
   3. Interfaces (user, hardware, software, and/or communication)

The requirements should be detailed enough to build the project.

**Non- Functional Requirements**

**Performance**

Performance is the rate, volume or number of transactions or units of work a system/application is capable of, measured over time. An understanding of the immediate and projected performance needs for a business process flow is critical to ensure that they are taken into consideration in the design.

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| NFR No | Functional Area | Information |
| NFR1 | Approximate total number of users of current/proposed system. | 800-1000 |
| NFR2 | Page Response Time | 3 to 7 Seconds |

**Usability / Supportability**

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| --- | --- |
| NFR No | Information |
| NFR3 | New system will support latest version of Chrome browser. |
| NFR4 | Appropriate error message will be displayed when the application is not functioning. |
| NFR5 | All dates would be presented in the format MM/DD/YYYY |
| NFR6 | All drop down lists will be searchable as user types |

**Security**

As part of the Data Security Policy, it is required that all data used within a project is assigned a classification for confidentiality, integrity, and availability.

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| NFR No | Functional Area | Information |
| NFR7 | API | API will be secure using Authentication Token |
| NFR8 | Authorization | Only authenticated user can access the system’s feature/pages/menu based on the role permission matrix. |
| NFR9 | Environment | This will be a web-based system and can be accessed through given URL and valid authentication |
| NFR10 | Data Breach | The developer's team should be given administrator login information for unit testing  Other security methods include encrypting databases to prevent SQL injection attacks, with hashing algorithms playing a key role in this situation |

**Accessibility**

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| NFR No | Functional Area | Information |
| NFR11 | Usability Requirements | Screen resolution will support desktop only. Grids will have search bar, filter option (wherever it will be required) |
| NFR12 | Optimized for Screens Size | Optimized for responsive desktop layout from resolution 1920x1200 to 800x600. |

**Integration**

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| --- | --- | --- |
| NFR No | Functional Area | Information |
| NFR13 | Email/Push Notification | All email notifications will be sent using SMTP |

**Maintainability**:

|  |  |
| --- | --- |
| NFR No | Information |
| NFR14 | The system offers efficiency for data backup, and check for errors in the patient's database. |

1. Member contribution table (should describe who wrote what parts of the report). Add more rows as needed.

|  |  |  |  |
| --- | --- | --- | --- |
| Member name | Contribution description | Overall Contribution (%) | Note  (if applicable) |
|  |  |  |  |
| Abhay Arora | * Analysis of Non Functional Requirements. * Record few Non Functional Requirements as per our project scope * Updated the Minutes of Meeting in Repo * Deliverable 2 Documentation * Discussion on Project Implementation Plan | 20% |  |
|  |  |  |  |
|  |  |  |  |

1. The updated meeting minutes (in the project repository).

Minutes of meeting are updated on below path in project repository

<https://github.com/abhayarora23UNT/UntSeProjects2022/tree/main/HMS/MOM>