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 JWT Token |
| NFR8 | Authorization | Only authenticated user can access the system’s feature/pages/menu based on the authorization mapped in the new system. |
| 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 inner circle should be given administrator login information.  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. |

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

**Integration**

**Maintainability**:

**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>