

**School of Computing**

**SRM IST, Kattankulathur – 603 203**

**Course Code: 18CSC206J**

**Course Name: Software Engineering and Project Management**

|  |  |
| --- | --- |
| **Experiment No** | 3 |
| **Title of Experiment** | System, Functional and Non-Functional Requirements of the Project |
| **Name of the candidate** | Shaurya Singh Srinet |
| **Team Members** | Shounak Chandra, Parth Galhotra |
| **Register Number** | RA2111032010006, RA2111032010026, RA2111032010029 |
| **Date of Experiment** | 7.2.23 |

**Mark Split Up**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Description** | **Maximum Mark** | **Mark Obtained** |
| 1 | Exercise | 5 |  |
| 2 | Viva | 5 |  |
| **Total** | | **10** |  |

**Staff Signature with date**

**Aim**

To identify the system, functional and non-functional requirements for the project.

**Team Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Register No** | **Name** | **Role** |
| **1** | **RA2111032010006** | **Shaurya Singh Srinet** | **Rep/Member** |
| **2** | **RA2111032010026** | **Shounak Chandra** | **Member** |
| **3** | **RA2111032010029** | **Parth Galhotra** | **Member** |

**Project Title:** Library Management System

**System Requirements:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requirement (#)** | **Requirement Specification** | **Department** | **Name of Business**  **User / Project**  **Team Member** | **Status** |
| IR1 | Development Machine with 6 GB Ram and 4 Cores | Technical Team | Shaurya Singh Srinet | Team Lead |
| IR2 | Code Repository | Technical Team | Parth Galhotra | Team Member,  Cross Platform |
| IR3 | AWS S3 Bucket | Technical Team | Shounak Chandra | Team Member,  Data Analytics |
| IR4 | IDE – Visual Studio  Code | Technical Team | All Members | Technical Team  Members |

**Non-Functional Requirements:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Requirement (#)** | **Category of NFR** | **Requirement Specification** | **Department** | **Name of Business**  **User** | **Status** |
| NFR1 | Performance | All pages should load within 3 seconds. | Department of Media | Mr. Alok Sharma | Editor in Chief |
| NFR2 | Performance | Search should bring the results less than 7 seconds. | Business  Development | Dr. Vivek Bindra | Business Coach |
| NFR3 | Availability | Application should be available for 24x7. | Medical  Consultancy | G.N.S Krishna Murthi | Medical  Representative |
| NFR4 | Accessibility | Should be easy to use for a 3rd party. | Management | Jivan Anand | Restaurant  Owner |
| NFR5 | Scalability | Database should be large enough  to support many books. | Tourist | Paul Johnson | Traveller and  Photographer |
| E1NFR1 | Security | Should have security to ensure privacy of data. | N/A | Mrs. Das | Housewife |

**Functional Requirements:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requirement (#)** | **Requirement Specification** | **Department** | **Name of Business**  **User** | **Status** |
| E1FR1 | The system must be able to add delete and view books we should be able to search book based on book name. | Department of Media | Ms. Ankita Singh | Journalism |
| E1FR2 | System must be able to enter issue information in the database. -System must be able to update number of books. | Resort Management | Mr. Anil Verma | Resort Manager |
| E1FR3 | System should be able to recommend popular books available for purchase | Technical Team, XYZ | XYZ Software Solutions and  Consultancy. | SDE 1 |

**Result:**

Thus, the requirements were identified and accordingly described.