

**School of Computing**

**SRM IST, Kattankulathur – 603 203**

**Course Code: 21CSC303J**

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

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| --- | --- |
| **Experiment No** | 12 |
| **Title of Experiment** | Manual Test Case Reporting |
| **Name of the candidate** | Ponnuri Aniruddha |
| **Team Members** | Vamshi Gadde (RA2112704010017)  Y Shabanya Kishore (RA2112704010018) |
| **Register Number** | RA2112704010015 |
| **Date of Experiment** | 04/04/2024 |

**Mark Split Up**

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

**Staff Signature with date**

**Aim**

To prepare the manual test case report for the SRM RESEARCH HUB.

**Team Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Register No** | **Name** | **Role** |
| **1** | **RA2112704010015** | **Ponnuri Aniruddha** | **Rep/Member** |
| **2** | **RA2112704010018** | **Y Shabanya Kishore** | **Member** |
| **3** | **RA2112704010017** | **Vamshi Gadde** | **Member** |

**Current Status of the Testing:**

The testing of the SRM Research Hub application is currently progressing well, with an overall Amber status. We've made significant headway in functional testing of both User Management (Admin, Student, Teacher) and Paper Repository modules, achieving an overall coverage of 85%. User Login functionality is fully tested (100%), while other areas like User Registration, Profile Management, and Access Control are in progress (update percentages based on your project). Similarly, Paper Repository functionalities like Upload, Search & Filtering, and Download & Viewing are under development with progress (update percentages). Integration testing across modules is the next focus area to ensure a seamless user experience.

Non-functional testing has not yet begun. We'll prioritize completing remaining test cases for the core functionalities and establish a test data management plan to streamline the process. Open communication with stakeholders remains crucial to address any resource limitations and ensure alignment with project goals. By taking these steps, we can achieve a successful testing phase and launch a high-quality SRM Research Hub application.

**Present obstacles to proceed further**

While the SRM Research Hub testing is progressing well, there are a few obstacles to achieving a complete green status. Integration testing, which ensures smooth interaction between User Management and Paper Repository modules, requires additional focus. Furthermore, a comprehensive test data management plan needs to be established to streamline testing across various user roles and functionalities. Resource limitations might also come into play, potentially slowing down progress.

To address these challenges, scheduling collaborative sessions between functional and development teams will be crucial for seamless integration. Additionally, developing a test data plan outlining data requirements for different test scenarios will optimize testing efficiency. If resource limitations become a bottleneck, expanding the testing team or prioritizing critical functionalities might be necessary. By proactively addressing these obstacles, we can ensure a successful testing phase and deliver a high-quality application.

**Engaging Stakeholders:**

* Continuous communication with stakeholders will be crucial for addressing these challenges and ensuring project success.
* Stakeholders can provide valuable feedback on user needs and system priorities.
* Collaboration will help maintain alignment with project goals and secure necessary resources for a smooth testing completion.

**Next Steps:**

* Prioritize completion of remaining test cases for User Management and Paper Repository modules.
* Conduct comprehensive integration testing to ensure seamless user experience across modules.
* Finalize a test data management plan to streamline test execution.
* Address resource limitations through collaboration or prioritization strategies.
* Maintain open communication with stakeholders to ensure project goals are met.

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| **Category** | **Progress Against Plan** | **Status** |
| Functional Testing | Amber | ICompleted |
| Non-Functional Testing | Amber | In-Progress |

|  |  |  |
| --- | --- | --- |
| **Functional** | **Test Case Coverage (%)** | **Status** |
| User Login | 100 | Completed |
| Student page | 70 | In-Progress |
| Teacher Page | 65 | In-Progress |
| Admin Page | 70 | In-Progress |
| Research Paper Database | 75 | In-Progress |

Result:

Thus, the test case report has been created for the SRM RESEARCH HUB.