

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | |
|  | | USE CASE DIAGRAM REPORT | | | | |  | |
|  |  | | | | | | |  |
|  | | | |  |  | | | |
|  | | | | Abdul Rehman (Lead) Muhammad Talha Zohaib Zafar |  | | | |
|  | | | | Date09 March 2025Course titleSoftware ConstructionTeacher’s NameDr. Onaiza Maqbool |  | | | |
|  | | |  | | |  | | |

**Use Case Diagram Description**

**Manager:**  
The manager will have a dedicated login to oversee and regulate the system. They will be responsible for managing the department’s various computer labs, including monitoring the hardware specifications of lab computers and keeping track of the installed software across different systems. Any changes in hardware specifications will be manually updated by the manager. Additionally, the manager will review, approve, or reject software installation requests submitted by teachers or students. They will also handle user complaints related to software and hardware issues. **Teacher:**Teachers will have separate login credentials, allowing them to report issues related to both hardware and software. They can also submit installation requests for specific software on designated lab computers to facilitate their teaching needs. Through the system, teachers will have a streamlined way to communicate their technical requirements and ensure that the lab infrastructure supports their academic activities.

**Student:**Students will also have individual login access with functionalities similar to those available for teachers. They will be able to report software or hardware problems and request the installation of specific software on lab computers. This ensures that students can actively contribute to maintaining an efficient and well-equipped lab environment, aligning with their academic and project requirements.

**Special Features:**

1. System can prioritize complaints based on frequency. This ensures that frequently reported issues must be resolved first. This will improve the efficiency of lab maintenance.
2. System can automatically track the changing in the hardware specifications and update them in the record. This will reduce the manager work and improve the accuracy in the data about the hardware of a specific computer.