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| Use Case ID: | Database\_UC | | |
| Use Case Name: | Database | | |
| Created By: | Kassim | Last Updated By: |  |
| Date Created: | 11/2/2023 | Date Last Updated: |  |

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| Actor: | System, NTU Stars, NTU database |
| Description: | perform regular updates to the system software, as well as read data from the system's database for maintenance purposes. |
| Preconditions: | 1. The system administrator must have the necessary permissions to perform system updates and access the database. 2. The system software must be up-to-date and accessible. 3. The database must be accessible and contain valid data. |
| Postconditions: | 1. The system software is up-to-date and functioning properly. 2. The database contains accurate and up-to-date information. |
| Priority: | High |
| Frequency of Use: | Frequent |
| Flow of Events: | 1. The system administrator logs into the system with the valid credentials 2. The system administrator selects the option to update the software using the Included Use Case Update 3. The system performs a check for available updates and if found, installs them 4. After the update is complete, the system administrator selects the option to view the database using the Included Use Case Read 5. The system displays the data contained in the database 6. The system administrator reviews the data and performs any necessary maintenance tasks 7. The system administrator logs out of the system when finished |
| Alternative Flows: |  |
| Exceptions: | 1. If the system administrator does not have relevant permissions, They will be denied by the system to update the software or access the database 2. If the database is unavailable, an error message will be displayed 3. If there is an invalid data in the database, the system administrator will be notified and required to perform necessary maintenance |
| Includes: | Update ,Read |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |