

## **1.2. Product Functions**

1. The system shall provide an interface for administrator to add levels and roles of security to the system.
2. The system shall provide an option to encrypt data stored in the database. In case one is authorized to access the data, a key shall be provided for decrypting the data.
3. The system shall authenticate all users before they can access, edit or add data to the system.
4. The system shall track for typing patterns of system users and store this information.
5. The system shall log all activities performed by users the moment they login.
6. The system shall provide statistics on data synchronization. This will include summarizing which times data synchronization is performed and sending reports on a pre-configured time period to the main repository.
7. The system shall perform data quality checks. The system shall compare the historical data values to new data and if suspicious data is detected, the data shall be highlighted.
8. The system shall detect suspicious behavior in data access automatically. Suspicious behavior include change in computer, location of access and multiple login failures