### Data Dictionary

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Class (Name)** | **Attribute Name** | **Description** | **Type** | **Format** | **Range** | **Req’d** | **Related Class(es)** | **Nature of relationship** |
| **Record** | recordID | ID of record | String |  |  | Y |  |  |
| stockIn | Incoming amount of stock | Integer |  |  | Y |  |  |
| stockOut | Outgoing amount of stock | Integer |  |  | Y |  |  |
| date | Date of record | String | DD-Mmm-YY  (eg. 15-Dec-16) |  | Y |  |  |
| **Record Log** | recordArray | Array of records | Record |  |  | Y | Record | Aggregation |
| **Stock** | stockID | ID of stock | String |  |  | Y | Record | Inheritance from Super Class Stock |
| stockName | Name of stock | String |  |  | Y |
| stockDesc | Description of stock | String |  |  | Y |  |  |
| stockPrice | Price of per stock | Double |  |  | Y | Record | Inheritance from Super Class Stock |
| stockQuantity | Total amount of stock | Integer |  |  | Y | Record | Inheritance from Super Class Stock |
| stockCategory | Category of stock | String |  |  | Y |
| stockSCategory | Sub-category of stock | String |  |  | Y |
| stockThreshold | Amount of stock for low stock alert | Integer |  |  | Y |  |  |
| **Inventory** | stockArray | Array of stocks | Stock |  |  | Y | Stock | Aggregation |
| **Search Portal** | searchInput | User’s input | String |  |  | Y |  |  |
| **Account DB** | accountArray | Array of accounts | Account |  |  | Y | Account | Aggregation |
| **Account** | userName | Username of account | String |  |  | Y |  |  |
| password | Password of account | String |  |  | Y |  |  |
| lockStatus | Locked status of account | Bool |  |  |  |  |  |
| encryptData | Option to encrypt data | Bool |  |  |  |  |  |
| **Employee** | employeeID | ID of employee | String |  |  | Y | Admin,  Warehouse  Personnel | Inheritance from Super Class Employee |
| eFName | First name of employee | String |  |  | Y |
| eLName | Last name of employee | String |  |  | Y |
| managerNo | Manager’s No | String |  |  |  |