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| **Physical Data Table, Data Flow or Entity** | **Logical Data Store, Data Flow or Entity** | **Functional Requirement Number** | **Type** | **Allow Null (ERDs)** | **Notational Description** | **Example** |
| accountID | Primary Key to a row in an Accounts table | SWE2, SWE3, SWE4, SWE5, SWE10, SWE11, SWE12, SWE15, SWE16, SWE17, | Integer | NO | actionID=\*A unique integer value representing a row\* | 1 |
| Account | Information about a user | SWE2, SWE3, SWE4, SWE5, SWE10, SWE11, SWE12, SWE14, SWE15, SWE16, SWE17, SWE18, | Table | NO | Accounts = accountID + email + password + lastLogin + fullName + newsLetter + dateCreated + organizationID + authorizationID |  |
| email | E-mail address of a user |  | Text | NO | email = \*A users email address \* | test@test.com |
| password | A password chosen by the user. | SWE2 | Text | NO | password=\*A password chosen by the user with a minimum length of 6 and encrypted\* |  |
| lastLogin | The DateTime of the last login. | SWE19 | Date | NO | lastLogin=\*The last date and time the user logged in\* |  |
| fullName | The full name of the user. |  | Text | NO | fullName=\*The users first and last name\* | John Doe |
| newsLetter | Whether they want the newsletter or not. | SWE18 | Boolean | NO | newsLetter=\*A boolean whether they want a newsletter\* | True |
| dateCreated | The DateTime when the Account was created |  | Date | NO | dateCreated=\*The date and time the account was created\* |  |
| organizationID | Primary key to a row in the Organization table |  | Integer | NO | organizationID=\*A unique integer value representing a row\* | 12 |
| Organization | Contains the names of the organizations. |  | Table | NO | Organization=organizationID + organizationName |  |
| organizationName | The organization’s name. |  | String | NO | organizationName=\*A name\* | Shepherds of Good Hope |
| authorizationID | Primary key to a row in the Authorization table | SWE3 | Integer | YES | authorizationID=\*a unique integer value representing a row\* | 124 |
| Authorization | Level of authority of a user | SWE3 | Table | NO | Authorization=authorizationID + authorizationLevel |  |
| authorizationLevel | The name of the level | SWE3 | String | NO | authorizationLevel=\*The authorization name\* | Administrator |
| messageID | Unique key representing the current message |  | Integer | NO | messageID=\*Each unique integer represents a different message\* | 55 |
| Message | Contains the owner and content of each message |  | Table | NO | Message=message+timeSubmitted+messageRead+accountID+receiverAccountID |  |
| message | Contains the content of the message |  | Text | NO | message=\*The text of the message\* | Hello |
| timeSubmitted | The time the message was sent |  | Date | NO | timeSubmitted=\*The time the message was sent\* |  |
| messageRead | Boolean value whether the message is read or not. |  | Bit | NO | messageRead=\*Boolean value stating read or not\* |  |
| receiverAccountID | Foreign key pointing to the Accounts accountID of the receiver |  | Integer | NO | receiverAccountID=\*Points to the Accounts accountID of the receiver\* | 13 |
| AccountZones | A table that joins the account to the zone. |  | Table | NO | AccountZones=accountID+zoneID |  |
| zoneID | The identification of the zone | SWE4, SWE5 | Integer | NO | zoneID=\*The identification of the zone\* | 5 |
| Zone | Table containing the users zones | SWE4, SWE5 | Table | NO | Zone=zoneID+zoneName |  |
| zoneName | The name of the zone | SWE4, SWE5 | Text | NO | zoneName=\*Name of the string\* | Ottawa East |
| entryID | The unique integer representing each entry | SWE5 | Integer | NO | entryID=\*Unique integer for each Entry\* | 1 |
| Entry | Contains the information for the Entry | SWE5 | Table | NO | Entry=entryID+age+gender+dateUploaded+dateEvent+comment+zonePurchasedID+zoneEventID+drugID+accountID+drugDescriptionID |  |
| age | Contains the age of the users client | SWE5, SWE7, SWE8, SWE13 | Integer | YES | age=\*Age of the users client\* | 19 |
| gender | Contains the gender of the users client | SWE5, SWE7, SWE8, SWE13 | String | YES | gender=\*Gender of the users client\* | Male |
| dateUploaded | Contains the Date and Time of the creation of the Entry |  | Date | NO | dateUploaded=\*Date and time of the Entry\* |  |
| dateEvent | Contains the Date and Time of the event |  | Date | YES | dateEvent=\*Date and time of the event\* |  |
| comment | Contains an optional comment entered by the user. |  | Text | YES | comment=\*Comments entered by the user\* | Hello |
| zonePurchasedID | Foreign key that points to the zone where the drug was purchased. | SWE5, SWE6, SWE7, SWE8 | Integer | YES | zonePurchasedID=\*ID of the zone where the drug was purchased\* | 4 |
| zoneEventID | Foreign key that points to the zone of the entry. | SWE5, SWE6, SWE7, SWE8 | Integer | YES | zoneEventID=\*ID of the zone of the entry\* | 6 |
| drugEffectID | A Primary key to a row in DrugEffect table. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugEffectID=\*An integer value representing an Entry\* | 1 |
| DrugEffect | Contains the effects of the drug. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugEffect=drugEffectID+drugEffectName |  |
| drugEffectName | Contains the name of the drug effect. | SWE5, SWE7, SWE8, SWE13 | Text | NO | drugEffectName=\*Name of the drug effect\* | Hallucinogen |
| EntryEffect | A table that joins the entry to the effects. | SWE5, SWE7, SWE8, SWE13 | Table | NO | EntryEffect=entryID+drugEffectID |  |
| drugSideEffectID | A primary key to a row in the Side Effects table. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugSideEffectID =\*An integer value that represents the Entry\* | 22 |
| DrugSideEffect | Contains the side effects of a drug. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugSideEffect= drugSideEffectID + drugSideEffectName |  |
| drugSideEffectName | Contains the name of the drugs side effect. | SWE5, SWE7, SWE8, SWE13 | Text | NO | drugSideEffectName=\*Name of the drugs side effect\* | Headache |
| EntrySideEffect | A table that joins the entry to the side effects | SWE5, SWE7, SWE8, SWE13 | Table | NO | EntrySideEffect=entryID+drugSideEffectID |  |
| drugAliasID | A primary key to a row in the DrugAlias table. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugAliasID =\*An integer value that represents the Entry\* | 15 |
| DrugAlias | Contains the alias of a drug. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugAlias =drugAliasID+drugAliasName |  |
| drugAliasName | The name of the drug alias. | SWE5, SWE7, SWE8, SWE13 | Text | NO | drugAliasName =\*The name of the alias for a drug\* | Blue Dolphin |
| drugID | The ID of the inputted drug. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugID=\*An integer value that represents the Entry\* | 19 |
| Drug | Contains the name of the drug being entered. | SWE5, SWE7, SWE8, SWE13 | Table | NO | Drug=drugID+drugName |  |
| drugName | The name of the drug being entered. | SWE5, SWE7, SWE8, SWE13 | String | NO | drugName=\*Name of the inputted drug\* | Ecstacy |
| drugTypeID | The ID of the type of drug. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugTypeID =\*An ID for the type of drug\* | 44 |
| DrugType | Contains the ID for the types of drugs. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugType = drugTypeID +drugType |  |
| drugType | The type of the drug | SWE5, SWE7, SWE8, SWE13 | String | NO | drugType =\*A type of drug\* | Pill |
| drugDescriptionID | A primary key to a row in the Drug Description table. | SWE5, SWE7, SWE8, SWE13 | Integer | NO | drugDescriptionID=\*A unique integer value representing a drug\* | 44 |
| DrugDescription | Contains the information of a drug. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugDescription=drugDescriptionID+ drugTypeID + drugColourID + drugStampID |  |
| drugStampID | A foreign key to the drugStampID. | SWE5, SWE7, SWE8, SWE13 | Integer | YES | drugStampID =\*An integer value representing a stamp\* | 12 |
| drugColourID | A foreign key to the drugColourID. | SWE5, SWE7, SWE8, SWE13 | Integer | YES | drugColourID =\*An integer value representing a colour\* | 32 |
| DrugStamp | Contains the stamps on drugs. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugStamp = drugStampID + drugStamp |  |
| drugStamp | Contains the information about the stamp on a drug. | SWE5, SWE7, SWE8, SWE13 | Text | NO | drugStamp =\*Information about the stamp on a drug\* | Dolphin |
| DrugColour | Contains the colours of drugs. | SWE5, SWE7, SWE8, SWE13 | Table | NO | DrugColour = drugColourID + drugColour |  |
| drugColour | Contains the information about the colour of a drug. | SWE5, SWE7, SWE8, SWE13 | Text | NO | drugColour =\*Information about the colour of the drug\* | Purple |