ITP281-ZC

Team 4

Member Names:

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**Account**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | username | varchar(25) |  |
|  | email | varchar(50) |  |
|  | password | varchar(25) | Minimum 6 char |
|  | address | varchar(50) |  |
|  | gender | char(1) | M/F |
|  | name | varchar(25) |  |
|  | contactNo | char(8) |  |
|  | aboutMeDescription | varchar(100) |  |
|  | skypeName | varchar(25) |  |
|  | memberStatus | char(1) | M/S/D  Member/Staff/Doctor |
|  | lastOnlineDate | date |  |
|  | numThreadsPosted | int |  |
|  | dateJoin | date |  |
|  | dateOfBirth | date |  |

**User (Subclass of Account)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
|  | donatedSum | int | SGD |
|  | rewardPoints | int |  |
|  | wallet | double | SGD |

**Doctor (Subclass of Account)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
|  | doctor\_id | autonumber | Starts at 5000 |
|  | certification | bit |  |
|  | country | varchar(30) |  |

**Staff (Subclass of Account)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
|  | staff\_id | autonumber | Starts at 1 |
|  | rank | int |  |

**Activity Description**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | dateTimeOfActivity | datetime |  |
|  | Description | varchar(100) |  |
| FK | username | varchar(25) | username references Account(username) |

**Thread**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | (username, postDateTime) | varchar(50) | Composite Key |
|  | title | nvarchar(50) |  |
|  | content | nvarchar(1500) |  |
|  | comment | nvarchar(300) |  |
|  | upvotes | int |  |
|  | category | nchar(1) | A-announcment, N-New, T-top |
|  | postDateTime | datetime |  |
| FK | username | varchar(25) | username references Account(username) |

**Order**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | orderNum | autonumber | Starts at 1 |
|  | orderDateTime | datetime |  |
|  | paymentMethod | varchar(25) |  |
| FK | username | varchar(25) | username references Account(username) |

**Order\_Product**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | (orderNum, product\_id) | char(15) | Composite Key |
|  | quantity | int |  |
| FK | orderNum | int | orderNum references Order(orderNum) |
| FK | product\_id | char(5) | Product\_id references Product(product\_id) |

**Product**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | product\_id | char(5) | E.g. 1234P |
|  | productName | varchar(50) |  |
|  | price | money | SGD |
|  | rewardPointPrice | int |  |
|  | description | varchar(1000) |  |
|  | productCategory | char(1) |  |
|  | stock | int |  |

**Donations**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | donation\_id | autonumber | Starts at 1 |
|  | donatorName | nvarchar(25) |  |
|  | donatedSum | money | SGD |

**Donations\_User**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | (donation\_id, username) | varchar(30) |  |
| FK | donation\_id | int | donation\_id references donations(donation\_id) |
| FK | username | varchar(25) | username references Account(username) |

**Consultation Form (subclass of Order)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attribute Name | Data Type | Remark |
| PK | consultation\_id | autonumber | Starts at 0 |
|  | duration | int | Duration of session |
|  | price | double |  |
|  | startDateTime | datetime |  |
|  | additionalDetails | varchar(300) | For doctor to prescribe medicine for the customer |
| FK | user\_username | varchar(25) | user\_username references User(username) |
| FK | doctor\_username | varchar(25) | doctor\_username references Doctor(username) |