**PRS Capstone Project Data Model**

**prs Database**

# **Table: User**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| UserName | VARCHAR(20) |
| Password | VARCHAR(10) |
| FirstName | VARCHAR(20) |
| LastName | VARCHAR(20) |
| Phone | VARCHAR(12) |
| Email | VARCHAR(75) |
| IsReviewer | BIT(1) |
| IsAdmin | BIT(1) |
| Active | BIT(1) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Table: PurchaseRequest**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| UserID | INT |
| Description | VARCHAR(100) |
| Justification | VARCHAR(255) |
| DateNeeded | DATE |
| DeliveryMode | VARCHAR(25) |
| StatusID | INT |
| Total | DECIMAL(10,2) |
| SubmittedDate | DATE |
| Active | BIT(1) |
| ReasonForRejection | VARCHAR(100) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Table: PurchaseRequestLineItem**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| PurchaseRequestID | INT |
| ProductID | INT |
| Quantity | INT |
| Active | BIT(1) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Table: Product**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| VendorID | INT |
| PartNumber | VARCHAR(50) |
| Name | VARCHAR(150) |
| Price | DECIMAL(10,2) |
| Unit | VARCHAR(255) |
| PhotoPath | VARCHAR(255) |
| Active | BIT(1) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Table: Vendor**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| Code | VARCHAR(10) |
| Name | VARCHAR(255) |
| Address | VARCHAR(255) |
| City | VARCHAR(255) |
| State | VARCHAR(2) |
| Zip | VARCHAR(5) |
| Phone | VARCHAR(12) |
| Email | VARCHAR(100) |
| IsPreApproved | BIT(1) |
| Active | BIT(1) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Table: Status**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ID | INT |
| Description | VARCHAR(20) |
| Active | BIT(1) |
| DateCreated | DATETIME |
| DateUpdated | DATETIME |
| UpdatedByUser | INT |

# **Foreign Keys**

|  |  |  |  |
| --- | --- | --- | --- |
| **From Table** | **From Field** | **To Table** | **To Field** |
| PurchaseRequest | UserID | User | ID |
| Product | VendorID | Vendor | ID |
| PurchaseRequestlineItem | ProductID | Product | ID |
| PurchaseRequestlineItem | PurchaseRequestID | PurchaseRequest | ID |
| PurchaseRequest | StatusID | Status | ID |

# **Other Constraints**

|  |  |
| --- | --- |
| **Table** | **Unique Field(s)** |
| User | Username |
| PurchaseRequestLineItem | PurchaseRequestID, ProductID |
| Product | VendorID, PartNumber |
| Vendor | Code |