**Data Dictionary**

**Entity name: User**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Description** | **Data Type** | **Size** | **Possible Data Values** | **Required** | **Validation Rules** | **Key** |
| User ID | To identify customers | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | PK |
| User name |  | Varchar | 100 | Any | YES | Convert to title case | NO |
| User Phone | Contact user on order | Varchar | 11 | 01823432123 | NO | Must start with a 0, doesn’t need international code | NO |
| Admin | Determines whether the user is an admin or not | Boolean | 1 | True/False | YES | Must be true or false | NO |

**Entity name: Order**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Description** | **Data Type** | **Size** | **Possible Data Values** | **Required** | **Validation Rules** | **Key** |
| Order ID | To identify the orders | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | PK |
| User ID | To identify customers |  | 8 | 00000001 | YES | Must be all numbers - Autoincrement | FK |
| Order Date | To see when the order was placed | Datetime | 19 | 10/30/2020 15:35:00 | YES |  | NO |

**Entity name: OrderItem**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Description** | **Data Type** | **Size** | **Possible Data Values** | **Required** | **Validation Rules** | **Key** |
| Order ID | To identify the orders | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | FK |
| Item ID | To identify menu items | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | FK |
| Order Date | To see how many of that item the user wants | Int | 3 | Any number e.g. 5 | YES | Must be a number | NO |

**Entity name: Item**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Description** | **Data Type** | **Size** | **Possible Data Values** | **Required** | **Validation Rules** | **Key** |
| Item ID | To identify menu items | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | PK |
| Category ID | To identify categories of menu item | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | FK |
| Item Name | What the name of the item is | Varchar | 30 | Any word e.g. chicken | YES | Must be a number | NO |
| Item Cost | The cost of that menu item | Decimal | 4, 2 | Any 4-digit number plus 2 decimals 4000.99 | YES | Must be a number and have a decimal | NO |
| Item Amount | The amount of the item left in stock | Int | 5 | 50000, 300 | YES | Must be a number | NO |
| Item Available | A check to see if the item is in stock or not | Boolean | 1 | True/false | YES | Must be true or false | NO |

**Entity name: Category**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Description** | **Data Type** | **Size** | **Possible Data Values** | **Required** | **Validation Rules** | **Key** |
| Category ID | To identify categories of menu item | Int | 8 | 00000001 | YES | Must be all numbers - Autoincrement | PK |
| Item ID | Name of category | Varchar | 30 | Any word e.g. Desserts | YES | Must be a word | NO |