Databases Design

**Admin**

**Role Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field Name | Data Type | Min Length | Max Length |
| 1 | Name | Text | 3 | 40 |
| 2 | Description | Text | 10 | 150 |
|  |  |  |  |  |

**Fixed Roels**

|  |  |  |
| --- | --- | --- |
| No. | Name | Description |
| 1 | Admin | Manage everything |
| 2 | Salesperson | Manage sales products, customers, orders and so on |
| 3 | Shipper | View products, view Orders and update order status |
| 4 |  |  |

**User Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field Name | Data Type | Min Length | Max Length |
| 1 | Email | Text | 8 | 128 |
| 2 | First Name | Text | 2 | 45 |
| 3 | Last Name | Text | 2 | 45 |
| 4 | Password | Text | 8 | 20 |
| 5 | Photos | Image |  |  |
| 6 | Enabled | True/False |  |  |
| 7 | Roles |  |  |  |
|  |  |  |  |  |

**Category**

Category Information

|  |  |  |
| --- | --- | --- |
| No. | Name | Description |
| 1 | Name | Name of Categories – must be unique |
| 2 | Image | An image representing the category |
| 3 | Parent | Parent category if it is not the super root category |
| 4 |  |  |

**Brand**

Brand Information

|  |  |  |
| --- | --- | --- |
| No. | Name | Description |
| 1 | Name | Name of brand or company – must be unique |
| 2 | Logo | Logo of the brand or company |
| 3 | Categories | Products made by the company fall into this category |
| 4 |  |  |

**Product**

Product Information

|  |  |  |
| --- | --- | --- |
| No. | Attributes | Description |
| 1 | Name | Name of the product – must be unique |
| 2 | Short Description | Short Description |
| 3 | Full Description | Detailed Description |
| 4 | Brand | Brand of the product |
| 5 | Category | Category to which the product belongs |
| 6 | Main Image | Primary product image |
| 7 | Featured Images | Other images describing the product |
| 8 | List price, discount percent | Pricing of product |
| 9 | Enabled | Whether the product is displayed in shopping or not |
| 10 | In Stock | Whether the product is available in stock or not |
| 11 | Created time and updated time | Timestamp – first created/ last update |
| 12 | Length, width, height, weight | Dimensions – Used for shipping cost calculation |
| 13 | Cost | Used for revenue report |