

Glossary

The Dragon's Hoard

Rory Hackney

Ken Cage

Strong and Weak Entities

Strong

Product, Crystal, Transaction, Order, Address, State, Warehouse, Review, Customer

Weak

Inventory, RewardsMember

Naming Conventions

Suffixes

- **Code:** 1-4 digit code, alphanumeric, used to identify something. Example: StateCode "WA"
- **ID:** 1-20? digit number, used to identify something. Examples: TransactionID, SKU_ID
- **Name:** variable length string 1-50 characters, used to label something. Example: UserName
- **Price:** Decimal with only two places, used to represent money. Example: ProductPrice
- **Count:** Whole number, 0 or more, used to count something. Example: QuantityCount
- **Description:** Longer text describing something. Example: ProductDescription
- **Size:** Float describing a one-dimensional measurement. Example: CrystalWidthSize
- **Weight:** Float describing the weight of something. Example: CrystalWeight
- **Date:** Date an event occurred. Example: OrderDate
- **Address:** Physical address, further detailed in the Address entity. Example: CustomerAddress
- **Number:** Whole number used to describe something, eg RatingNumber.
- **URL:** Valid web address, eg EmailURL "coolemail@gmail.com".
- **Type:** One of multiple choices, either through another entity or enum.

Prefixes

- **Is:** Boolean describing an attribute, eg IsSubscribed

Descriptions

Entities

- Product: Item sold in our e-commerce store for money
 - * SKU_ID R U: Uniquely identifies the product.
 - CrystalID P R: One or more crystals in the product.
 - Name R: Name of the product.
 - Description R: Longer description of the product.
 - Price R: Price of the product for customers > 0.
 - WidthSize R: Width of the product, in inches (?) > 0.
 - HeightSize: Height of the product, in inches (?) > 0.
 - Weight R: Weight of the product, in pounds (?) > 0.
 - PackCount R: Number of crystals in the product. 1 if single, more if a pack. >= 1.
- Crystal: Shiny rock in products
 - * ID R U: Uniquely identifies the crystal.
 - Name R: Name of the crystal, eg "Amethyst"..
 - Description R Longer description of the crystal.
 - ColorName P R One or more colors of the crystal.
 - IsSynthetic R Boolean if the crystal is synthetic.
 - SourceName P R Name of the source, eg "Mount Rainier".
 - SupplierName P R Name of the supplier, eg "Rocks and Socks".
 - PropertyName P R One or more properties of the crystal, eg "Healing".
- Transaction: Order made by a customer
 - * TransID R U: Uniquely identifies a transaction.
 - CustomerID R: Customer who made the order.
 - OrderDate R: Date the order was made on.
 - ShipDate: Date the order was completed and shipped.
 - DeliverDate: Date the order arrived at the ShippingAddress.
 - ShippingAddress R: Address the order is to be shipped to.
 - SubtotalPrice R: Price of all items in the order. > 0.
 - TaxPrice R: Price of taxes and fees for the order. >= 0.
 - TotalPrice R: Total price of all items, taxes, and fees for the order. > 0.
- Inventory: Quantity of product on hand in each warehouse location
 - * SKU_ID R U: Product being counted
 - * WarehouseName R: Name of the warehouse location.
 - Count R: Quantity of the product in this location.
- Order: Order made by a warehouse to replenish quantity on hand
 - * OrderID. R U: Uniquely identifies the order.
 - ProductID R The product that was ordered.
 - OrderDate R The date the order was made.

- WarehouseName R The warehouse that made the order.
 - ExpectedDeliveryDate R Expected date of delivery.
 - DeliveryDate Actual date of delivery.
 - UnitPrice R Price per product.
 - TotalPrice R Total price of the order.
- Address: Physical location of some entity, for example of a Customer
 - * AddressID R U: Uniquely identifies the address.
 - AddressName R: Street name of the address, including apartment number etc.
 - CityName: Name of the city this address is in, if in a city.
 - StateCode R: Name of the state this address is in.
 - ZipID R: Zipcode of this address.
 - CountryCode R: Country this address is in.
- State: State within a country, for example Washington in the US.
 - * StateCode R U: Abbreviated code for the state, eg "WA".
 - CountryCode R: Abbreviated code for the country, eg "US".
 - StateName R U: Full name of the state.
- Warehouse: Warehouse storing product for transaction fulfillment.
 - WarehouseName: Name of the warehouse, uniquely identifies the warehouse.
 - Address: Physical location of the warehouse.
- Review: Rating and optional description for a product left by a customer after purchase.
 - * ReviewID R U: Uniquely identifies the review.
 - SKU_ID R: The product being reviewed.
 - RatingNumber 0-5 R: The rating of the product, from 0 (bad) to 5 (good).
 - TitleName: Title of the review.
 - TagName P: Tags for the review.
 - Description: Longer text describing the product.
- Customer: client who has made at least one online transaction, but may not have signed up for an account on the website. Supertype entity.
 - * CustomerID R U Uniquely identifies the customer.
 - FirstName R First name of the customer.
 - LastName R Last name of the customer.
 - EmailURL R U Email of the customer, to be used for contact and newsletter subscriptions.
 - PhoneNumber Phone number of the customer, for transaction issues and other contact.
 - AddressID: Address of the customer, to be used for autofill forms.
 - CardNumber: Saved card of the customer, to be used for transactions.
 - CardType: Type of the card of the customer, Mastercard, Visa, etc.
- RewardsMember: Customer who has made an account on the website. Subtype entity.
 - Username R U: Username used for logging in to the website.
 - Password R: Password used for logging in to the website.
 - IsSubscribed R: Boolean describing whether the user has agreed to have the email newsletter sent to them.