

Business Requirements

Furniture and categories:

- A furniture item: item ID, barcode reference string, price per item, advertised sale price, description, a string that holds a folder name for item photos, and stock quantity
- A category can have multiple furniture items in it, but the furniture item can only belong to a parent category. Each category may have many categories as sub-categories.
- A category: category ID, name, and description
- Each furniture item is also a certain product type (couch, chair, table) and the product types are separately managed from categories

Customers and staff members:

- Staff member: employee ID, Name, Role, Type of employment (full-time, part-time, casual)
- Customer: customer ID, name, contact name, phone number, delivery address, customer type
- Customer type (person, company,...): Type ID, type name, type description

Custom furniture requests:

- A customer can make a custom request for something new
- Custom request: request ID, date, time, general description
- A request can have multiple items. Each requested item should include the quantity and a description
- Each requested item should be categorised as a certain product type
- The requested item will require at least one resource (woods, fabrics,...) or many different resources (pine wood, walnut wood)
- The resource type: resource type ID, type name, type description

Quote for custom requests:

- Once a customer request has been placed, a staff member can generate a quote for the customer and add quote items
- A quote can cover multiple items but each quote item should be uniquely identifiable (quoteItemID)
- Quote: date generated, time generated, quote description
- Each quote item should have a price for a single item and a quantity of items being requested
- If there are different requested items, then there should be different quote items for each requested item

Orders and payments:

- An order can include many order items. Those order items could be either a quoted order item or a furniture order item, but each item cannot be both
- Order: OrderID, date, time, delivery instructions. The order is created by a staff and only belongs to a single customer only
- Order item: quantity, sale price
 - Quoted order item: days since quote is need
 - Furniture order item: description
- Payment: ID, amount paid, date, time, payment method
- Each payment is for an order or possibly multiple orders

- Each order can have no payments made yet, or may have some payments associated with it