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Data definition:

**Admin** – Administrator’s account. Will be able to create/edit Staff and Client accounts, approve item requests from Clients and order items from Vendors to send to Inventory.

Admin attributes:

* Username - Username with which Admin logs in.
* Password - A single password/key used by the Admin to log in to his/her account.

**Client** – Person (FAU student, faculty et al.) ordering or renting item(s) from Inventory. May also request items from Admin.

Client attributes:

* Znumber - Primary key. Client’s FAU-assigned Z-number.
* Password – Password/key for client to log in to his/her account. Created by user.
* Major - Client’s major at FAU. User-selected.
* Courses – Client’s current courses at FAU.
* Graduation date – Client’s expected graduation date.
* Cart – Stores part number for each item added for prospective purchase/rental by Client. Where final purchase or rent function can be applied.
* Purchase and Rent History – A list of all previous purchases and rentals. Includes Part Number, Order or Rent Date, Pick-up Date, and Return Date if part was or is being rented.
* Client’s Orders – Current client pending orders.

**Engineering Lab Staff** – Account that shall be able to view Client orders, view Client account history, create Kits, add items to Inventory, and add new Vendors.

Engineering Lab Staff attributes:

* Username - Each engineering staff member will use a unique log-in created by the Admin.
* Password - A single password/key for Engineering Lab Staff to log in to his/her account.

**Inventory** – Stores product inventory available for clients to purchase/rent.

Inventory attributes:

* Part number - Primary key for Inventory item.
* Short Description – A short text description of the product in minimal detail.
* Long Description – A detailed text description of the product.
* Image – Capable of storing multiple images in specified format.
* Data Sheet - Data in an Excel spreadsheet or PDF that can be uploaded.
* Location in Lab – Specifies where Inventory item located in lab.
* Quantity – Quantity of Inventory item available in lab for purchase/rent.
* Purchase or Rent – Indicates whether Inventory item available for purchase, rent, or both.
* Barcode - Bar code associated with product.
* Purchase Price – Original price per item paid to Vendor for purchase by lab.
* Ordinary Selling Price - Price per item when sold to Client.
* Bulk Selling Price – Price per Bulk Quantity at which item is sold to Client.
* Bulk Quantity - Quantity of Inventory item for which Bulk Selling Price applies.
* Jobber Selling Price - Price per item when sold to a middle man.
* Vendor part number – The vendor’s part number.
* Part availability per client – A limit set on each part that a client can order depending on the group certification.

**Vendor** – Company from which some item in Inventory is ordered or can be ordered.

Vendor attributes:

* Name – Name of vendor company.
* Address - Physical address of the vendor.
* Account number - Each vendor will have a unique account number used as a primary key.
* Order History – List of all items with Quantity and Purchase Date ordered by Admin.