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, and pull data from the database. 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. CRN-Class FAU code. Title- class name. College- college name. Semester – term registered for the class. Year- the year registered for the class. User-selected. 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 Order number, account ordering the item, Part Number, Order or Rent Date, Pick-up Date, Part quantities, Net profit, Order price, and Return Date if part was or is being rented.

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. Keyword- each part will have multiple keywords for inventory search results. 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. Cost Average- the average cost from vendor per item. 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. Comments –Client comments for each part number. A client will be able to leave a comment on each part number. Comments attributes: z\_number- client primary key. Comment- Written text by the client. Upvotes- Each client will be able to vote up once on each comment submitted. Downvotes- Each client will be able to vote down once on each comment submitted

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.