Tables: users, forgot, inventory, cots, manufactured, assembled, drawings,

users

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| Id | Number | The ID number of the user | Yes |
| Username | String | The username for the user | Yes |
| Password | String | The password for the user | Yes |
| FirstName | String | The first name of the user (and middle if desired) | Yes |
| LastName | String | The last name of the user | Yes |
| Email | String | The email address of the user | Yes |
| Roles | String | Comma separated list of roles for a user  admin – admin role across all subsystem  useradmin – admin for users in the system  inventoryadmin – admin for mechanical inventory  robotadmin – admin for the robots | Yes |
| State | String | State of the user ‘new’, ‘pending’, ‘active’, ‘disabled’  new – waiting on confirmation of their email  pending – waiting on admin to make them active  active – has complete access to the system (but still controlled by their role)  disabled – account has been explicitly disabled by an admin | Yes |

forgot

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| Id | Number | The ID number of the user | Yes |
| Token | String | The token provided in the email | Yes |
| Created | Date/Time | When the token was created | Yes |

drawings

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| Id | Number | Id of the drawing in the drawing repo | Yes |
| Path | String | Path of the drawing in the drawing repo | Yes |

Inventory

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Description** | **Required** |
| id | Number | ID number for the part in inventory | yes |
| type | Specific Values: COTS/Assembly/Manufactured | The type of the part, must be specifically on of the values listed | yes |
| number | String | Error Code Xero assigned (auto assigned) | yes |
| description | String | A human readable description of the part | yes |
| quantity | Number | The number of these parts in inventory | yes |
| auxid | Number | ID into COTS, Assembly, or Manufactured table  (link to one of the tables below) | yes |

cots

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| vendor | String | Name of the vendor (can be multiple, comma separated) | yes |
| vendornum | String | The vendors part number (can be multiple, comma separated) | yes |
|  |  |  |  |

manufactured

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| drawing | String |  |  |
|  |  |  |  |

assembled

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
| drawing | String | Id of the drawing in the drawing database | No |
|  |  |  |  |

Robot

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Values** | **Description** | **Required** |
|  | String | Id of the drawing in the drawing database | No |
|  |  |  |  |

**Open Questions**

1. What is the lifecycle of a user?
   1. Do we want a confirmation step of the email before they become active?
2. Do we store drawings for manufactured parts and assemblies in the web site?
3. What is the notification model?
   1. Can users sign up to see inventory changes?
   2. Can users sign up to see robot changes?
   3. Can users sign up to see robot subsystem changes?
4. What is the model between inventory and the robot?
   1. Does using a part on the robot consume inventory?
   2. And we put the parts back into inventory when the robot is disassembled?
5. How do we deal with the life cycle of new motors going onto comp bots and then the motors going back into inventory as used motors?
   1. Are new motors and used motors different inventory part numbers?
6. What are the attributes of COTS parts?
7. What are the attributes of manufactured parts?
8. What are the attributes of assembled parts?
   1. Are assembled parts represented in inventory?
   2. If so, how are they represented with the child parts they contained?