5  High-level Functional Requirements

1.       Account system shall allow for students or staff to make purchases using Z-number. (no real money exchanged).

a.       Rental/leases shall have a strict time limit.

b.       Admin shall be able to track what is taken and how much to keep track and order when supplies are low.

2.       Admin shall be able to apply separate price for Jobbers, those purchasing as a middle man, such as another FAU department.

3.      Admin shall be able to apply separate Bulk price for when client requests a large amount of an item.

4.       Store shall produce a live-updating spreadsheet on the website which shows past rental/lease dates, inventory etc.

5.       Store map shall show whoever is working exactly where an item is in EE205.

6.       Client shall be able to upload a file for 3d Printing, circuit board milling or laser cutting. (.jpg, .tiff, etc.)

7.     There shall be a list of vendors and their websites for easy access.

8.       Pictures for each specific item will be able to be uploaded to the webstore.

9.       Any special orders will send an email notification to those who ordered the item that it is ready.

10.   There shall be a standard module implementation for barcodes.

11.   Students should be able to upload data sheets that can be used at the staff’s discretion.

12.   Account should keep track of client’s purchase/rental history.

13.  Staff and Admin shall have privileges that Client won’t.

14.  Admin shall manage accounts with permissions unavailable to Lab Staff or Client.

15.  System shall subtract item quantity from Inventory after purchase or rental, and shall add to Inventory when rented item is returned.

16.   Any item request shall be submitted to FAUOWLS as a ticket. Engineering Lab Staff shall see the request immediately upon submission for order to be fulfilled.