Inventory Project – Linked List Implementation – Design

1. Structure definition
   1. {itemCount} for comparison
   2. {itemName} to identify
   3. Node \*next, \*prev
2. Create link function
   1. Singly link listed (unless other forms prove to be more useful)
      1. Double linked lists allow for improved sorting and deleting functions
   2. Return created link
   3. Consider the difference of char t[] vs char \*t
   4. Explore strcpy possibilities
3. Implement menu that allows a while loop to continuously create more as demanded
   1. Insert at front of list to maintain O(1) complexity
   2. Create a menu\*
4. Add function to compare items needed/currently have
   1. Use file IO to read what user currently has
   2. Develop function to state the difference
   3. Write output file to show items needed/have/difference
5. Add edit functionality for user
   1. Search function to find node by name [& count];
   2. Modify names and counts
   3. Delete items from list

Menu functions = ?

<<Future plans to implement multiple lists>>