To get the depots to automatically update their inventory counts, I had to modify the RFID scanner scripts. Below are excerpts of the main parts that I changed.

variables for the inventory manager

```lsl
string depotName = "1";
string url = "http://csce.uark.edu/~arosequi/SL/DepotManager.php";
key inventoryManagerRequestID;
```

... within the code block that executes when an item is added/removed

```lsl
string inventoryList = "";
integer size = llGetListLength(currentTags);
integer i;
for(i = 0; i < size; i = i + 3)
{
    inventoryList += llList2String(currentTags, i+1) + ",";
}
updateInventory(inventoryList);
```

... taken from the LSL Wiki

```
string strReplace(string str, string search, string replace) {
    return llDumpList2String(llParseStringKeepNulls(((str = "") + str, [search], []), replace);
}
```

// sends the update request to the server, and sets the request id, so we know when we get a response

```lsl
updateInventory(string items) {
    string position = strReplace(strReplace((string)llGetPos(), "<", ""), ",", "");
    string args = "update " + depotName + " " + items + " " + position;
    inventoryManagerRequestID = llHTTPRequest(url + "?args=" + llEscapeURL(args), [], "");
}
```

... once an RFID scanner is initialized, it enters the "active" state, so the following code resides there

```
http_response(key id, integer status, list meta, string body) {
    if (id == inventoryManagerRequestID) {
        if (body != "") llOwnerSay(body);
        llOwnerSay("Depot " + depotName + " updated successfully.");
    }
}
```