**Capstone Project Proposal**

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We applied for the inventory project under Alex Kress but unfortunately were not chosen for the project. However, the concept of building an Inventory system seemed very appealing to our group and so we would like to make the following proposal:

1. A web based inventory management system for a single company with multiple locations
2. This inventory system would keep track of inventory based on location as well as company totals
3. Support search filtering based on location, product type, cost, stock levels etc…
4. The system would be designed to migrate bulk data from something such as an excel sheet for easy importing of data
5. The system would support multiple users of varying levels, minimum difference between a standard user and an administrator.
6. Admin and User would see similar pages with the Admin having access to more features/pages.
7. Admin would be responsible for managing users.
8. System would support data entry to adjust inventory levels based on events (incoming stock, sales, defects etc…)
9. Users would be able to generate reports based on completed transactions (list of adjustments for the day/week/month by location)
10. System would automatically flag for certain conditions (stock reaches re-order point, adds product to an order, end of day produces an order report for the day with cost breakdown).

We would also have to generate all the data ourselves and simulate transactions to produce proper reports and such within the program.

If approved, we feel that we would be able to complete the above requirements of the system within the timeframe of the capstone project.