#### ENSF 608 Project Resource

Please do not consider this resource as benchmark. **This is just a very basic example of the project.** Project should not be just covering only simple queries like select, from and where only but should cover at least 80% of the material including queries (addition, minus, rename, strings, union, joins, left outer join, right outer joins etc, that we cover in the class.

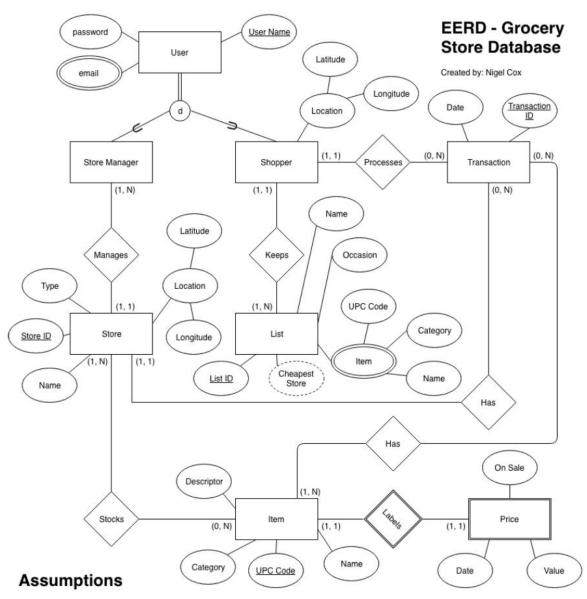
### Sky is the limit for the project

Following are some examples of the project (should include data base as well as front end)

- Grocery store Project
- Inventory Control Management.
- Student Record keeping system
- College/University project
- Retail Shop Database Management
- Railway System Project
- Hospital Database Project
- Travel Information Service
- Dispensary
- Railways Train Maintenance System
- Online Shopping
- Effective Library
- Payroll
- Real Estate
- Airport Passengers Maintenance
- Hotel and Motel
- Varied Insurance Products
- Registered Vehicle Details
- Blood Donate
- It Training Group Data Base Project
- School Management
- Library Management system Database **Project**.
  - 1. Deliverable 1 : project proposal + slides
  - 2. Entity Relation Diagram Show cardinality ratio, assumptions

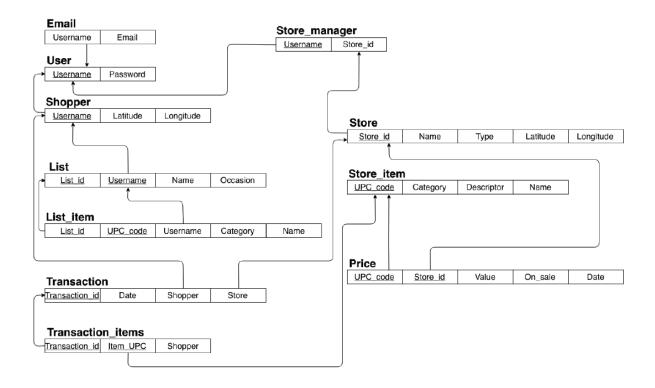
- 3. Relational model
- 4. Functional model (Will discuss in class)
- 5. Final project submission with report, source code and demo

## Sample ERD for Grocery Store Based Project

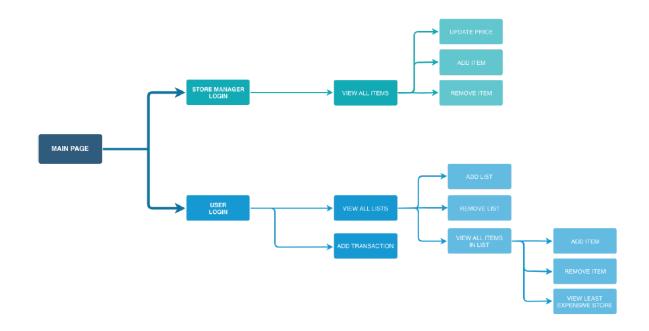


- There can be multiple managers per store, but the managers cannot travel between stores.
- Users must have at least one list, even if it is empty.
- The items that are associated with the Store entity are different than those associated with the List entity. The On Sale property of the Price entity is a boolean and defaults to false.
- UPC codes will be used to uniquely identify items so that items in both the Store and List entity can be matched.
- Users do not need to have any transactions to have a list.
- Each item only has one price, and only that price will be updated.

# Relational Model Design



# Functional Model Design



Details of the API, working etc.