

# DBMS-2006 Final Project Milestone One

## Project Proposal

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Project Name: Grocery Store Management

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### 1. Project description:

Everyday Essentials is a grocery store which would like to switch from its traditional excel files to an actual database which will help in increasing the efficiency for the management of the store. The database will help the store by keeping information about employees, the departments, and the inventory

My parents own a retail store ,so I decided to do something that is applicable in real life and personal to me , also I am pretty well informed how a store functions .It will be a good test of my ability to build a database that can actually be used in my daily life.

### 2. Business Case

The project is needed for management of Everyday Essentials store. The database can be used as a source to pull data for effective employee, and inventory management (check the quantity of items, details such as price or the profit margins along with the logs in quantity change

The target audience of this project is the management along with the employees of the store as they will have access to inventory in their department, also the role and permissions will depend on the job role of a specific employee

### 3. Business Rules/Assumptions

[ Make a list of business rules for the project, remember to think in both directions

examples:      A resident can visit **zero to many** tourist sites.  
                      A tourist site may have **zero to many** residents visiting.  
                      A resident may visit a tourist site **one to many** times.

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1. An employee can have one to many jobs in the store.
2. A job can be associated with zero to many employees.
3. An employee can be assigned to zero to one department.

4. A department can have zero to many employees
5. A department can have zero to many items in the inventory.
6. An item can be assigned to only one department.
7. A supplier can be associated with one or many items.
8. An item can be associated with only one supplier.
9. An item can be associated with one-to-many logs.
10. A log can be only assigned to one item.

#### 4. Entity Relationship Diagram

[ Using a diagramming tool of your choice, create the ERD diagram. Be sure to include meaningful field names and that your PK's and FK's identified.

Remember every table needs a primary key and every relationship line needs a verb describing the relationship line. Paste a screenshot below.

When you review the ERD with your instructor you will be asked the following. Open the ERD in the program you created it in.

- Describe each entity and how they relate to each other in both directions
- Describe the symbols used on each line
- If there were any bridge or joiner tables created
- Explain why the table was created
- Explain what PK was created for the joiner/bridge table and what makes it a good primary key
- Explain FK's in the bridge table and their purpose

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