

Grocery List Web Application

Com S 486 Group Term Project Proposal

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Project Description

Our project will be an easy solution to keeping track of grocery lists. The user will be able to create several grocery lists with the ability to categorize these lists. Grocery list categories can include birthday party lists, summer lists, weight-loss lists, etc. Along with being able to categorize lists, users will be able to create separate categories within each individual list. Inner-categories are useful if users want to write their lists with grocery store aisles or sections in mind. For example, it may be useful to have inner-categories for certain areas inside a grocery store. These inner-lists could be titled produce area, meat area, cereals area, and health-food area. This will help organize a grocery list to make store navigation easier.

If time permits we would also like to implement additional features. Two ideas for additional features include the ability to create monthly budgets and the ability to find grocery item prices based on which grocery store is used. As mentioned, these are features that may not be able to be implemented given time constraints.

Implementation Details

The project will be implemented by building a web interface that can be accessed from any browser. The interface will be designed to provide a user-friendly experience that will adapt to which type of device is being used to access the website. These different devices include personal computers, cell phones, and tablets. The application will be designed and implemented using a modern object-oriented programming language and its data will be stored in a relational database.

Deliverables Guideline

Below are three deliverables ordered by which will be completed first. Our plan is to implement the first item for sure. We would also like to complete the second item. But, the third item may not be implemented due to time constraints. If time permits, we would like to implement all deliverables.

1. A grocery list management system that includes the ability to manage grocery list categories, grocery lists, inner-categories, and grocery items.
2. A budget management system that includes the ability to create monthly budgets that will help the user decide how much monthly money will be spent on grocery items.
3. A system that allows the user to create and manage grocery item prices or connect to some remote price service that allows the user to find grocery item prices.