**Introduction**

This project presents a system designed to organize and manage family shopping lists. Family members can create, edit, and access shopping lists. They can also analyze past shopping habits.

Let's get started.

**Main Menu (Slide 1)**

The main menu offers the user the option to select various operations, including creating a new user, logging into an existing user, and deleting a user.

**Creating a User (Slide 2)**

The first option initiates the process of creating a new user account. The user is prompted to provide a username and a secure password. The new user gains access to the family shopping list.

**Deleting a User (Slide 3)**

The fourth option allows the deletion of a user account. Upon entering the username and the correct password, the respective account, along with its associated shopping lists and data, is removed.

**If No User to Delete (Slide 3)**

If the user does not find an account to delete, an appropriate message is displayed, and the operation is canceled.

**Display All Users (Slide 4)**

The third option displays a list of all current users. This can be used to check the status of family members' accounts.

**If No Users Exist (Slide 5)**

If no user accounts are found, the system displays an appropriate message, informing the user before they create a new account.

**User Login (Slide 6)**

The second option allows an existing user to log in. By entering the correct username and password, the user gains access to their respective shopping list and previous data.

**Adding a Product (Slide 7)**

The first option is used to add a new product to the shopping list. The user is asked to provide the name of the product they want to add, which is then included in the list.

**Removing a Product (Slide 8)**

The second option is used to remove a product from the shopping list. The user is asked to provide the name of the product they want to remove, which is then deleted from the list.

**If the Product to Remove Doesn't Exist (Slide 9)**

If the user finds that the product they want to remove is not actually in the list, an appropriate message is displayed.

**Completing the Shopping (Slide 10)**

The third option resets the shopping list by marking the shopping as completed. This helps in keeping track of completed shopping lists.

**Viewing Past Lists (Slide 11)**

Allows the user to view previous shopping lists. This is useful for reviewing shopping habits and planning future shopping trips.

**Analyzing Past Lists (Slide 12)**

The sixth option analyzes the user's past shopping lists. This analysis provides valuable insights, such as the most frequently purchased items and shopping patterns.

**Clearing Past Lists (Slide 13)**

The fifth option clears the user's past shopping lists. This helps keep the list management clean by removing unnecessary data.

**Showing Cleared History (Slide 14)**

After successfully clearing past shopping lists, running the fourth option again will display a message indicating that no past shopping lists are found.

**Returning to Main Menu (Slide 15)**

The seventh option takes the user back to the main menu, allowing them to switch between different operations.

**Exiting the Program (Slide 16)**

The fifth option exits the program and closes the application.

**Conclusion**

Simplify your shopping experience with our family shopping list management system. Create more organized and efficient shopping lists, analyze your past shopping habits, and plan your future shopping trips.