

Applications programming

App functionality Description/report

Pantry - Pal. Offline Pantry & Grocery List Manager

App Description

PantryPal is a single user offline desktop application designed to help users manage pantry items and grocery lists to be more organized. The application allows users to store information about food items they have at home, including quantity, category, and expiration date. All data is stored locally in a relational database and the application focuses on providing simple and reliable CRUD functionality without requiring internet access.

Application Functionality

- Create**

- Add pantry items with name, category, quantity, and expiration date.
- Items are saved to a local relational database.
- Items are sorted by soonest expiration date, then by order added.

- Retrieve**

- View the full pantry list at any time.
- Display item name, category, quantity, and expiration date.
- Confirm items were properly added to the database.

- Update**

- Update item quantity or notes.
- Automatically identify and notify users of expired items.
- Replace expired items by adding new entries with updated expiration dates.

- Delete**

- Delete expired or unwanted pantry items.
- Permanently remove items from the database.