



Label Printing and Controlled Database Modifications

Objective/Requirements:

A food processing company required an application that would have an easy-to-use interface for printing, along with a Microsoft Access database management interface. However, the customer wanted all new or changed records to be reviewed and approved before acceptance.

Solution:

TEKLYNX Professional Services developed a LABELVIEW label design and printing software application to provide a simple user interface for printing. It also allowed first-level users to modify the Access database through the LABELVIEW interface.

The modified or added records are not recorded in the master database but are moved to an approval table in the database instead. The approval table can only be accessed by second-level users with rights to approve records. In the approval screen, second-level users see all of the original records along with the proposed changes that are waiting for approval. Once approved, the new record is copied into the master database; a history table is also updated with the part number and the changes (a comparison of the new and old). The database also reflects the date/time and the user name of the person approving the record.

Application Solution using LABELVIEW:

- Users have easy printing interface to database
- LABELVIEW provides database modification and security
- Second-level users control additions to database
- Audit trail is created and saved

The screenshot shows the 'Main' window of the LABELVIEW software. It features a menu bar with 'File' and 'Config'. The main area contains a form with the following fields:

- Part Number: 12356
- Description: Animal Feed
- Manufacture: A1 Foods
- Weight: 75 lbs
- UPC code: 1234567890123
- Printer: (dropdown menu)
- Quantity: 1

At the bottom, there are 'Print' and 'Preview' buttons. A preview window on the right shows a nutrition facts label with the following content:

```
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
Nutrition Facts
Amount per Serving
Calories 3000Calories from Fat3000
% Daily Value*
Total Fat 3000g 3000%
Saturated Fat 3000g 3000%
Cholesterol 3000mg 3000%
Sodium 3000000g 3000%
Total Carbohydrate 3000g 3000%
Dietary Fiber 3000g 3000%
SUGAR 3000g
Protein 3000g
% Daily Value is based on a diet of 3000g.
Amount Per Serving: 1/2 Serving Size (1500g)
Calories 1500
% Daily Value is based on a diet of 3000g.
Amount Per Serving: 1/4 Serving Size (750g)
Calories 750
% Daily Value is based on a diet of 3000g.
Amount Per Serving: 1/8 Serving Size (375g)
Calories 375
% Daily Value is based on a diet of 3000g.
```