INFO MENU

Russ Hackett, Blue Cross of Massachusetts, Inc.

Info Menu was developed as an end user tool. It is designed using the System Productivity Facility (SPF) product of IBM. It allows the new user the ability to write a simple SAS report, while giving the more knowledgeable user the ability to create new variables, and do sub-totals and grand-totals and format elements on the output report.

Features

The major features of the system include:

1. Ease of use. All that is needed is a basic understanding of what the screen is requesting you to enter.
2. Little knowledge of SPF, SAS or IBM JCL is needed. If the user can logon to the system, he can use Info Menu.
3. Menu driven system. There is a main menu, as well as a screen for creating JCL and a screen to create a SAS program.

Usage

The system is run under TSO on an IBM mainframe. You begin by executing a CLIST to allocate and concatenate the system SPF files and user source, panel, message and table libraries, and to call the main menu.

Example: 'INFO.JCL.D.(ICSPF)' - See Exhibit A

The main menu (Exhibit B) has many of the SPF options along with two options developed for the use of SAS.

The first option developed is OPTION 0 - PRINT. This option allows the end user to write, modify and/or submit a simple SAS print program from an existing SAS database. It consists of two screens. The first screen (Exhibit C) creates the job card with all pertinent accounting information, condition codes, job class, message class and a time parameter. The second screen (Exhibit D) allows the end user to fill in such variables as data set names and program name, as well as the variables for the Proc Print. It also allows the use of formatting of output variables, and the ability to calculate new variables. Upon completion of this screen, a batch job will be submitted. On subsequent uses of these screens the variables will be mapped back to the screen from the user profile.

The second option OPTION 1 SAS is currently under development. It will include screens for many of the SAS procedures and a methodology for selecting and executing the same.

Technical Considerations

A series of system libraries are required. Among them are the panel, message and skeleton libraries supplied with SPF and the user profile library. Optional files include a table input, table output and a file tailoring library. For more information see the IBM manual, System Productivity Facility Dialogue Management Services (SC34-2036-1). The user should have his own panel, message and skeleton libraries concatenated to the system libraries.

Exhibit A shows an example of allocating files and calling the first panel.

Exhibit E shows the coding needed to layout the main menu and to branch to the option selected.

Exhibit F shows the coding needed to write, modify and/or submit the SAS print program.

Exhibits G and H show the coding needed to layout the 2 screens in the print program.

Exhibit I shows the completed SAS program.

Exhibit J is a sample output report.
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<thead>
<tr>
<th>COL</th>
<th>CODE</th>
<th>VALUE</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
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<td>LABEL1</td>
<td>0001200</td>
<td>鈴</td>
</tr>
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<td>CONTROL NOPROMPT</td>
<td>0022000</td>
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<td>SET BEAM = TEMP</td>
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<tr>
<td>15</td>
<td>IF BLASTIC = 0 THEN GOTO LABEL4</td>
<td>0092000</td>
<td>鈴</td>
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<td>IF BLASTIC = 0 THEN GOTO LABEL4</td>
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<td>IF BLASTIC = 0 THEN GOTO LABEL4</td>
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</table>

**NOTE:**
- The table represents assembly code, which is a low-level programming language used for programming computers. Each column represents a different aspect of the code, such as labels or instructions, and the values indicate the specific operations or data that are being used. This code is not natural text and requires a specific context or background in assembly language to fully understand. The table is part of a larger document, indicated by the page number 563.
NOTE: THE JOB TACTHACA HAS BEEN RUN UNDER RELEASE 78.6 OF SAS AT BLUE CROSS OF MASSACHUSETTS INC. (817481).

NOTE: SAS OPTIONS SPECIFIED ARE:

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**EXHIBIT J**