

# Mapping Fields

- Mapping Single and Multiple Fields
  - Mapping Single Dynamic Fields
- 

## Mapping Single and Multiple Fields



### Exercise

In this exercise, you will map host fields as ApplinX application fields. The fields you will map are important input or output host fields. The application fields you need to map are marked below on the screen shots of the screens you already identified in the Identifying Host Screens exercise. Each application field is marked in blue, with its name next to it.



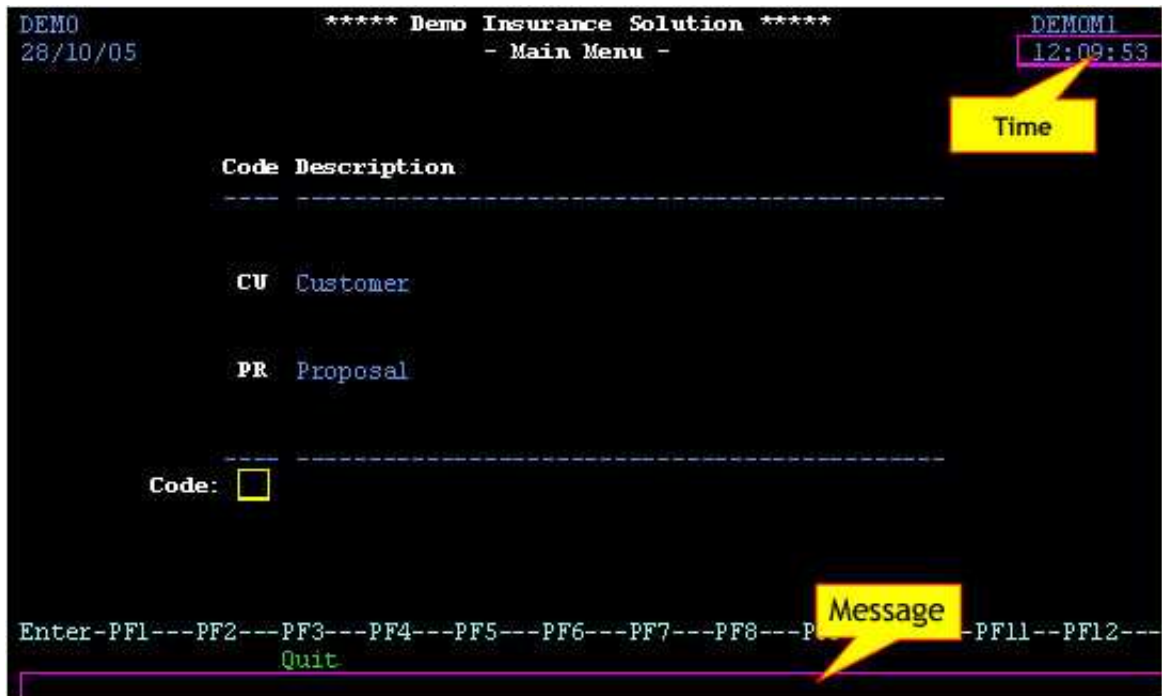
Accompanying movies:

- Mapping Fields and Mapping Multiple Fields

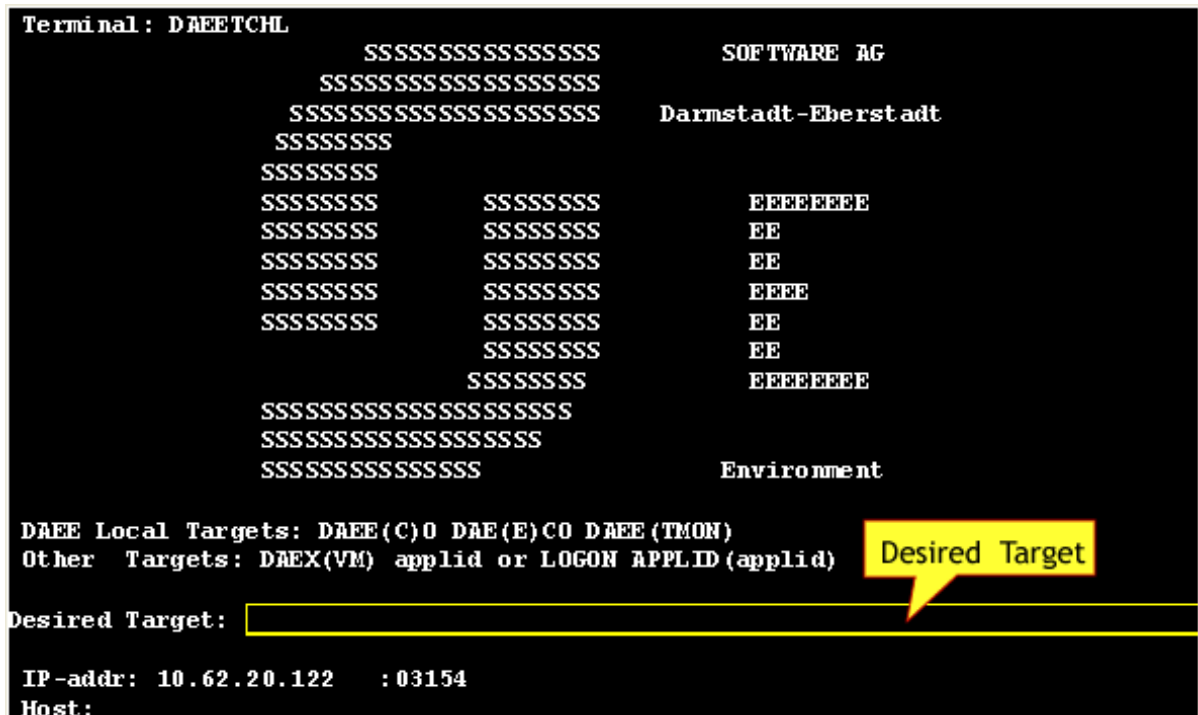


Recommended reading in ApplinX User's Guide:

- Designing and Developing an Application>ApplinX Entities>Fields, Screens and Screen Groups.
- Reference Guide>ApplinX Entities>Screens, Fields and Mappings.
- Screen Group AllGroup - this group contains all the screens of the application so whatever we map here applies to all or most of the screens. We will map two fields here that often appear on the screens of our application: the time indication in the upper right corner of the screen, and the message line in the last row of the screen. Let's see an example on the screen InsuranceMenu:



- Screen name: Environment



- Screen name: Login

```

COMULG0026-D Unknown Userid
09:48:07      TID      20      -DEMOCO-      User      27.09.06
                                           Message
                                           ULGO
-----
COM-LETE  System Logon  -----

User ID .....: XDEMCO6
Password .....:
New password .....:
Group (R&CF) .....:
Session reconnect..:

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Cont      End
    
```

- Screen name: Menu

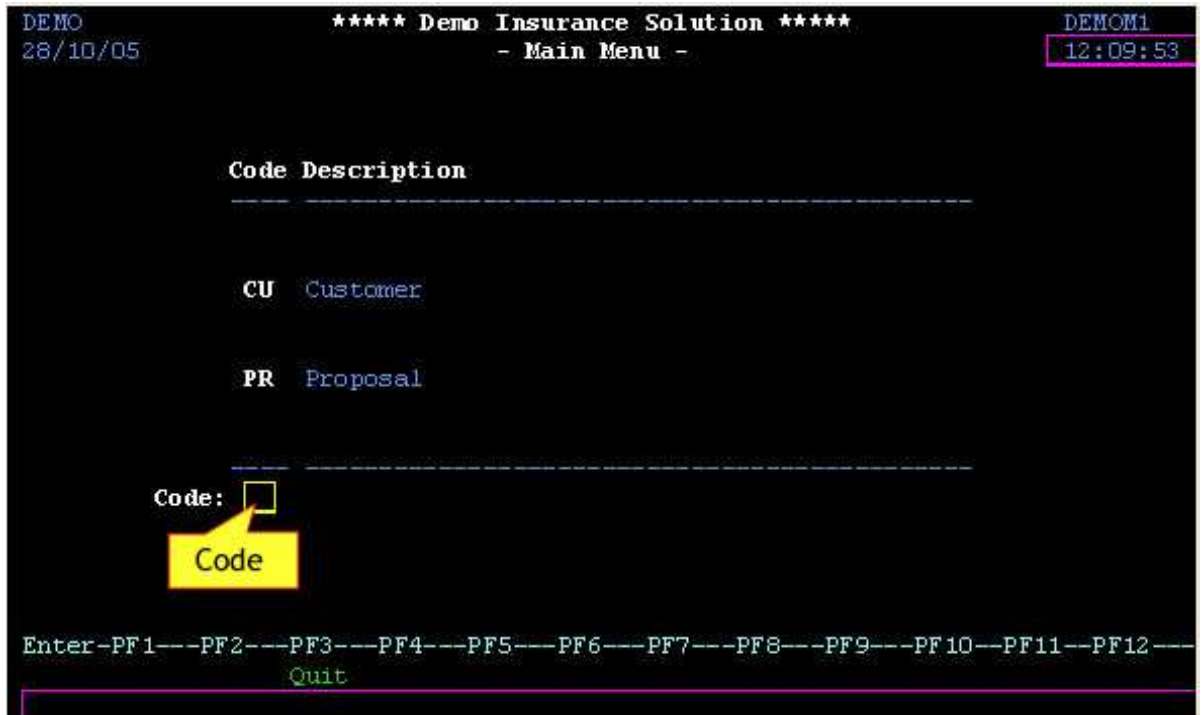
```

COMMP0002-D Program not found
10:32:03      TID      8      -DEMOCO-      User PN      19.04.05
                                           Message
                                           -- COM-PASS --      USTS
-----
Suspended Programs      Program Services
-----
Programs      Name      C Level  PF      Service Description      Programs      ID      PF
-----
1      Dataset Maintenance      UDS      A
2      PDS Maintenance      UPDS      B
3
4      System Job Queue      UQ      D
5      The Editor      UEDIT      E
6      SPF      SPF      F
7
8
9

Enter Input:      HELP      ?
*ABC

-----
LU Name: DAEETCO3      HC TID:      Recall: =      Language: 001
Devtype: 3279 VS      Device: DAEPRTE2      Suspend: < PA1      Case : UPPER
Lines : 24      Key: PA2      Jump: NO NO
Columns: 80
    
```

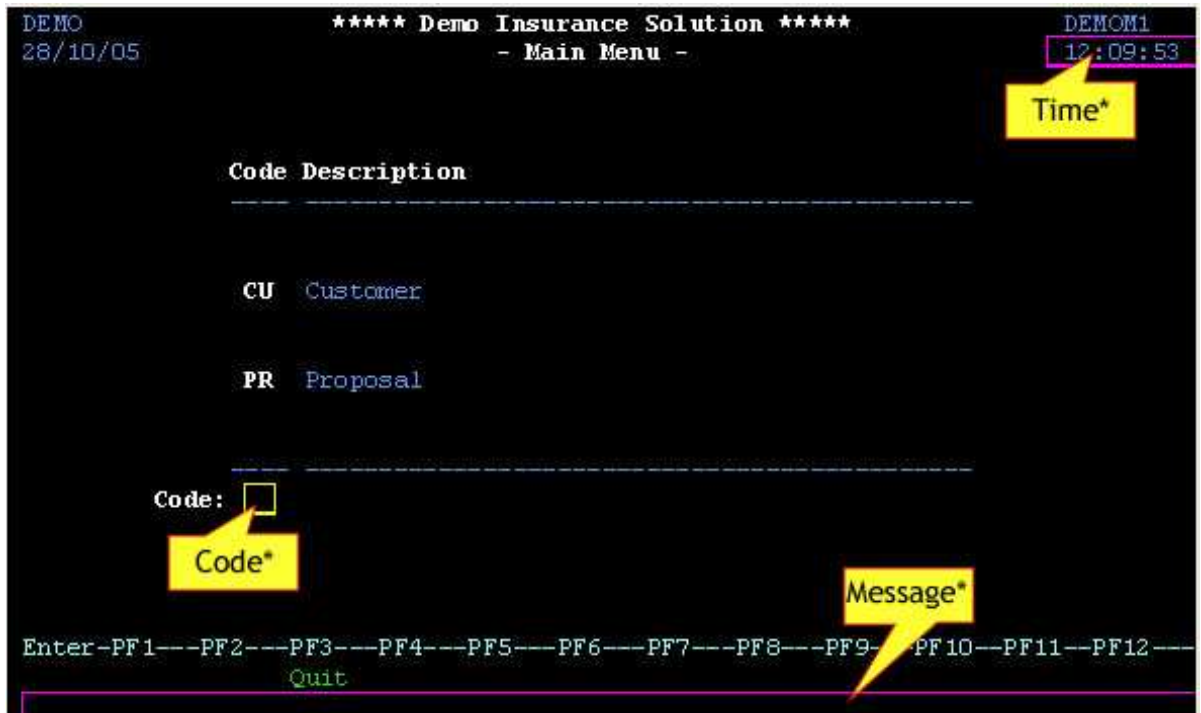
- Screen Group: MenuGroup



- Screen name: Insurance Menu

**Note:**

The Time and Message mappings are mapped as a result of mapping the fields in the screen group AllGroup and the Code is mapped as a result of mapping the field in the screen group MenusGroup.



Note that the Time and Message fields are mapped as a result of mapping the fields in the screen group AllGroup

- Screen name: Browse Proposals

BPROPEND 03/12/06 \*\*\*\*\* Demo Insurance Solution \*\*\*\*\* BPROPM01 18:30:29

- Browse Proposals -

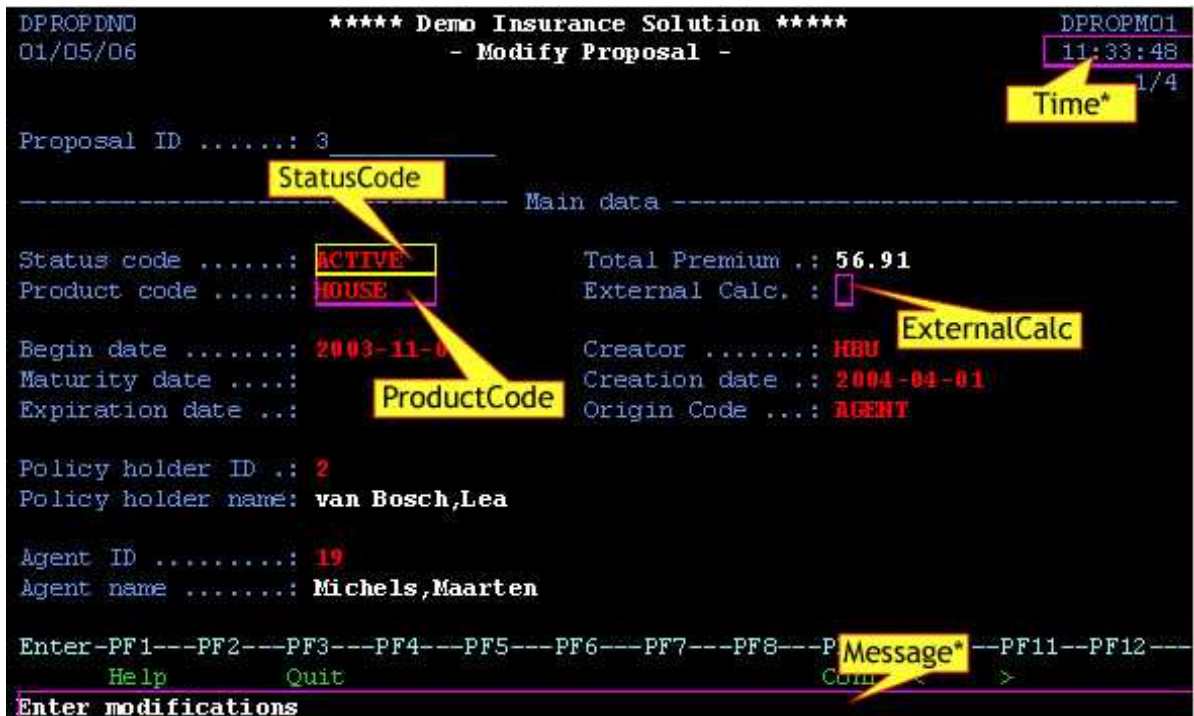
Status	Proposal ID	Product	Start date	Policy Hold Name	Tot. Premium
RECEIVED	1	HOUSE	2004-05-01	von Grueningen, Robert	31.27
REQUEST	2	HOUSE	2004-02-03	Kantor, Edgar	176.04
ACTIVE	3	HOUSE	2006-08-28	Bloggs, Joseph	56.91
IN-USE	4	HOUSE	2004-08-01	Chappell, Charles	58.91
RECEIVED	5	HOUSE	2001-01-02	Grass, Mandy	20.40
RECEIVED	6	HOUSE	1980-10-01	Rowling, Keith	213.26
IN-USE	7	HOUSE	2000-01-01	Dragos, Istvan	17.22
ACTIVE	8	HOUSE	2003-04-01	Krasnenko, Vladimir	161.61
REQUEST	9	HOUSE	1992-02-01	Grass, Mandy	293.53
RECEIVED	10	HOUSE	2004-02-01	Squirtle, Connor	68.68
ACTIVE	11	HOUSE	1989-10-01	Higgins, Felix	127.85
REQUEST	12	HOUSE	2005-04-01	Miller, John	198.03
REQUEST	13	HOUSE	2005-05-05	Orlikowski, Adam	3.00

Enter--PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---

Help Quit Add Up Down

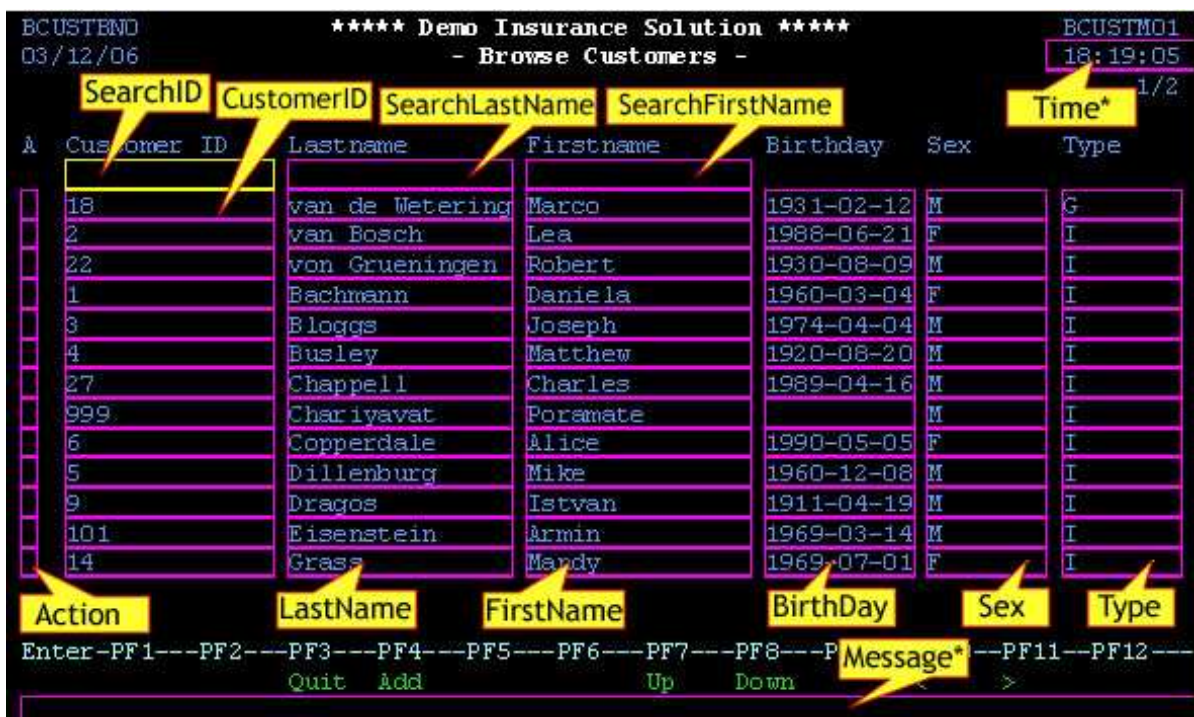
\*Inherited fields.

- Screen name: Proposal Details



\*Inherited fields.

- Screen name: BrowseCustomers. This screen includes mappings that are specific to this screen and also mappings that are inherited from the CustomerScreensGroup screen group. The mappings with an \* indicate that they should be defined for the CustomerScreensGroup screen group, and the mappings that do not have an \* should be defined specifically for the BrowseCustomers screen.



- Screen name: BrowseCustomersAddress.



## Mapping Single Dynamic Fields

### Exercise Objectives

In the following exercise you will use dynamic field mappings to define all the fields in a particular application screen. Mapping a field according to its leading label enables recognizing and mapping fields that may appear in different positions, but preserve the same leading label. This is particularly useful in the following cases:

- The application has fields that are dynamically drawn on the screen.
- Host applications are sometimes changed and items can be moved. Using dynamic field mappings, the fields will continue to be mapped and identified and the application will not be affected.
- Using dynamic field mappings enables more flexibility when using Screen Groups, as Screens which include the same field, can be associated with the same Screen Group even when the field is located in a different position.



Accompanying movies:

- Mapping Single Dynamic Fields



Recommended reading in ApplinX User's Guide:

- Designing and Developing an Application>ApplinX Entities>Fields, Screens and Screen Groups.
- Reference Guide>ApplinX Entities>Screens, Fields and Mappings.



### Exercise

Let's assume that the Modify proposal host screen is changed frequently. In order to preserve field mappings, map all the fields using the dynamic mapping feature (see image below).

```

DPROPDNO          ***** Demo Insurance Solution *****          DFROPMD01
27/07/08          - Modify Proposal -                               17:17:56
                                                                1/4

Proposal ID .....: 3

----- Main data -----

Status code .....: ACTIVE          Total Premium ..: 56.91
Product code .....: HOUSE          External Calc.  :
Begin date .....: 2003-11-02      Creator .....: HBU
Maturity date ....:                Creation date ..: 2004-04-01
Expiration date ..:                Origin Code ...: AGENT

Policy holder ID .: 2
Policy holder name: van Bosch,Lea

Agent ID .....: 19
Agent name .....: Michels,Maarten

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Quit                               Conf <  >
Enter changes
  
```



### Solution Steps:

For the solution, refer to CompositeDemo, ModifyProposal1 screen located in the proposal directory.