

# 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

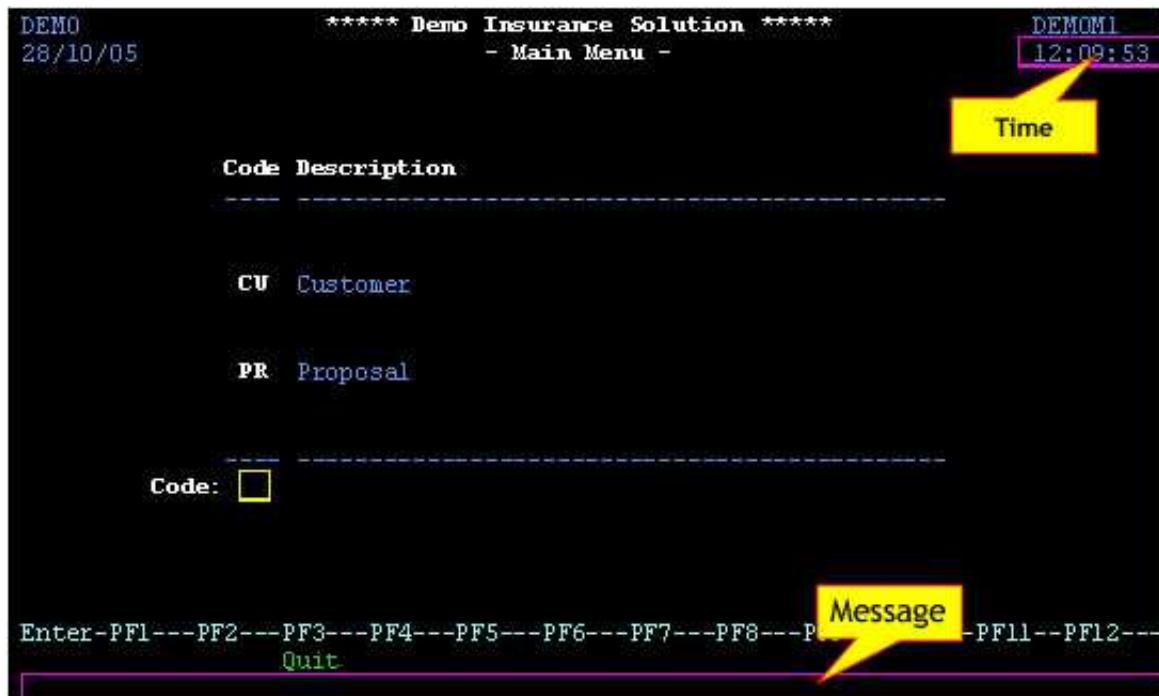


Recommended reading in ApplinX User's Guide:

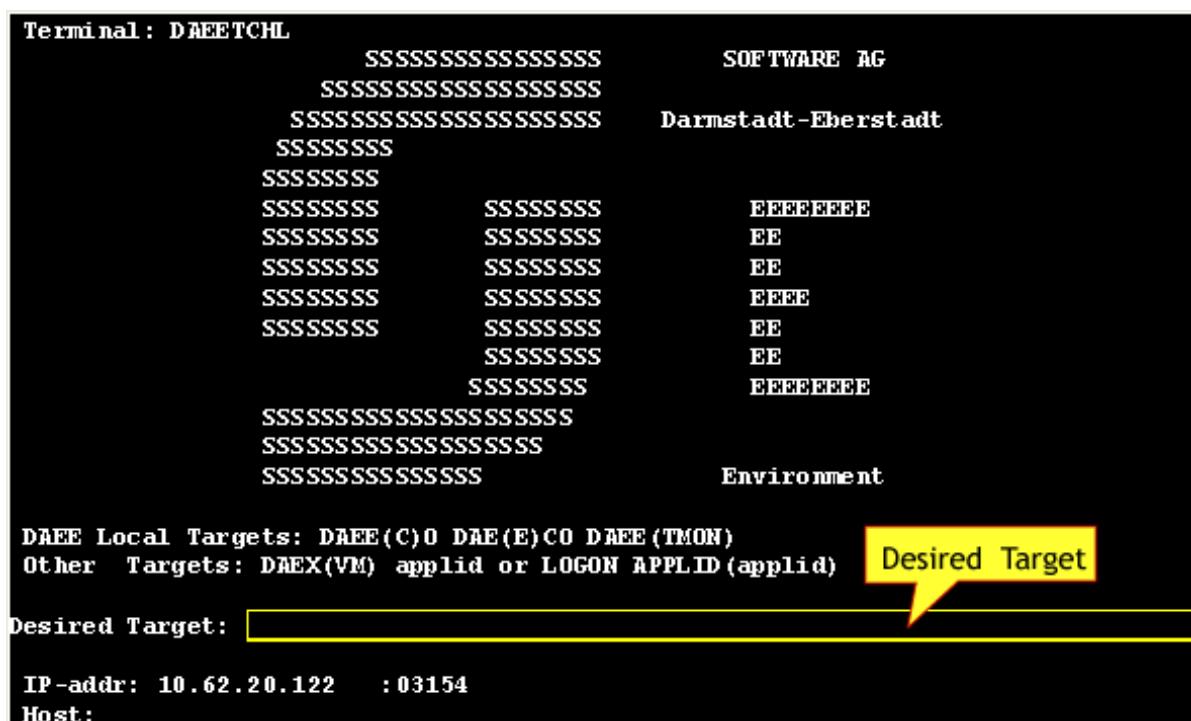
- Designing and Developing an Application>ApplinX Entities>Fields, Screens and Screen Groups.
- Reference Guide>ApplinX Entities>Screens, Fields and Mappings.
- Screen Group AllGroup - this group contains all the screens of the application so whatever we map here applies to all or most of the screens. 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:

## Mapping Fields

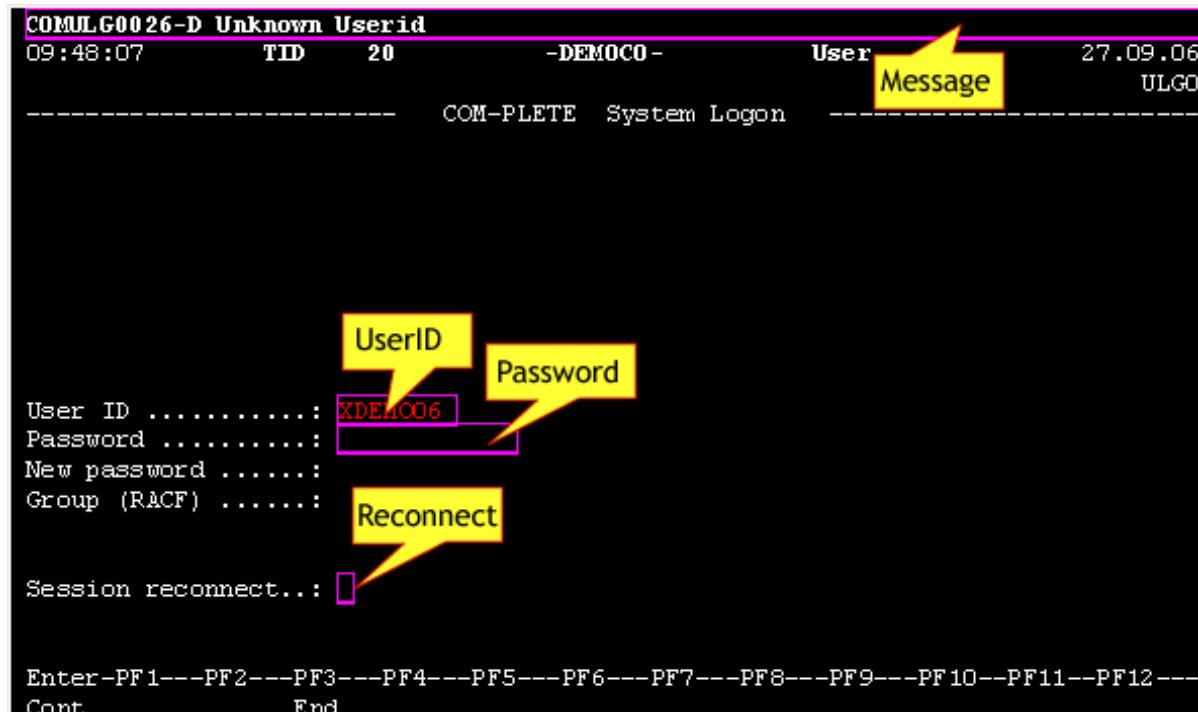
## Mapping Single and Multiple Fields



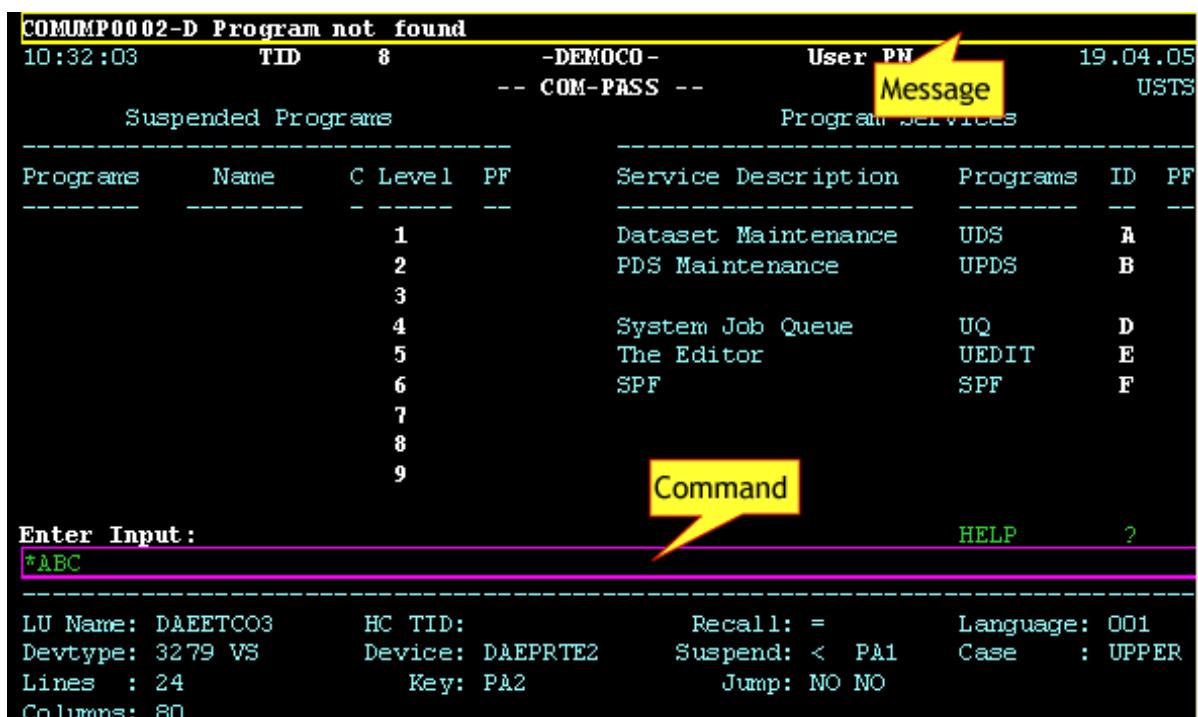
- Screen name: Environment



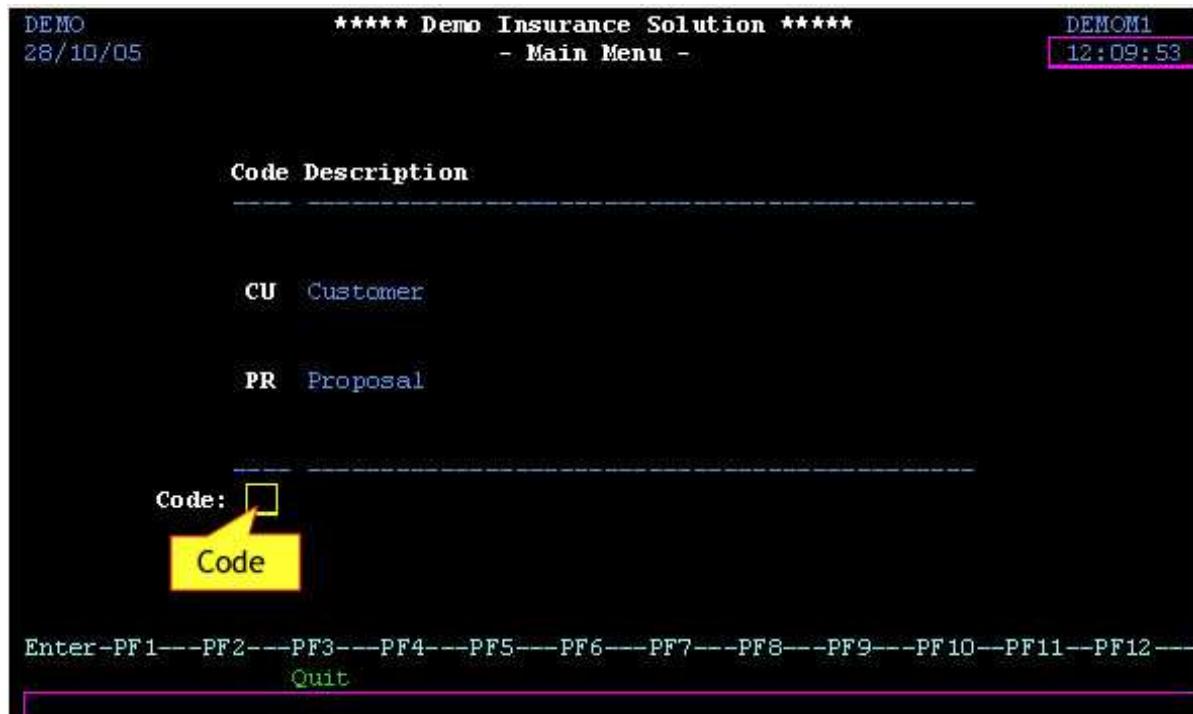
- Screen name: Login



- Screen name: Menu



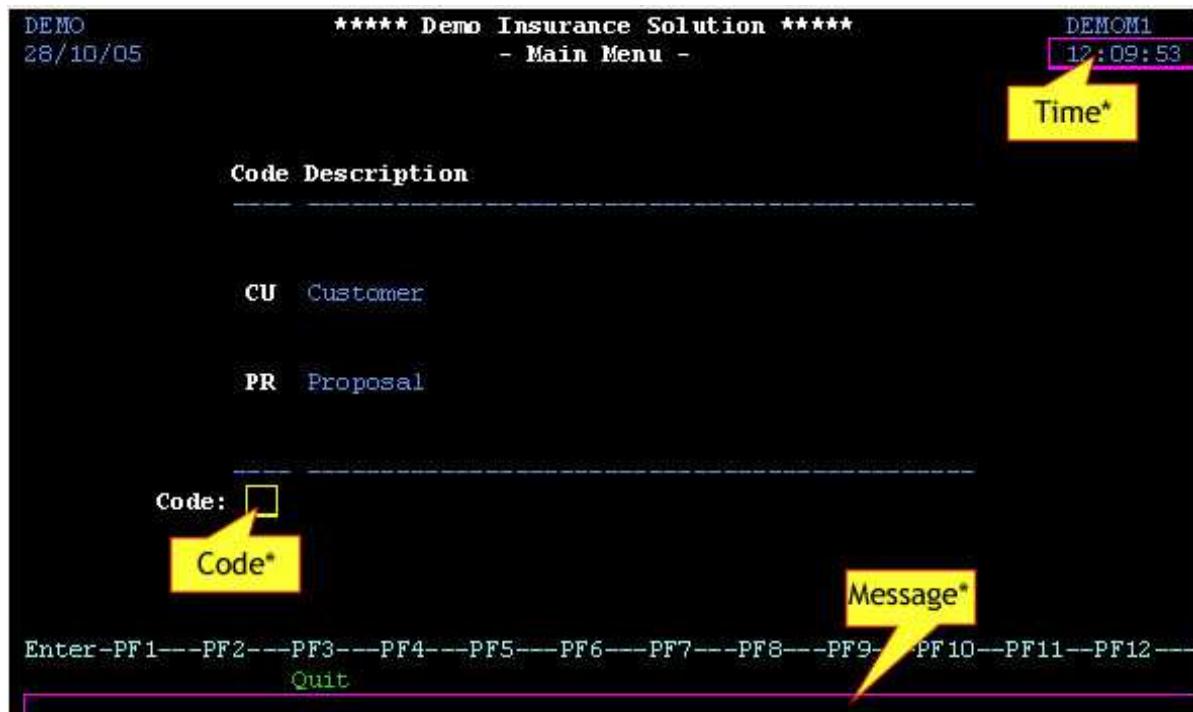
- Screen Group: MenusGroup



- 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

BPROPNO 03/12/06		***** Demo Insurance Solution ***** - Browse Proposals -						BPROPM01 18:30:29	
		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	

Action      ProposalID      StartDate      TotalPremium

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PMessage\*!---PF11---PF12---

Help      Quit      Add      Up      Down

\*Inherited fields.

- Screen name: Proposal Details

## Mapping Fields

## Mapping Single and Multiple Fields

DPROPDM0  
01/05/06 \*\*\*\*\* Demo Insurance Solution \*\*\*\*\*  
- Modify Proposal - DPRPM01  
11:33:48  
1/4 Time\*

Proposal ID .....: 3  
----- Main data -----  
StatusCode  
Status code .....: ACTIVE  
Product code .....: HOUSE  
Begin date .....: 2003-11-01  
Maturity date ....: ExternalCalc  
Expiration date ...: ProductCode  
Total Premium .: 56.91  
External Calc. : Creator .....: HBU  
Creation date .: 2004-04-01  
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---P Message\* ---PF11---PF12---  
Help Quit Com >  
Enter modifications

\*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.

BCUSTBND \*\*\*\*\* Demo Insurance Solution \*\*\*\*\* BCUSTM01  
03/12/06 - Browse Customers - 18:19:05  
1/2 Time\*

SearchID	CustomerID	SearchLastName	SearchFirstName	Birthday	Sex	Type
	18	van de Wetering	Marco	1931-02-12	M	G
	2	van Bosch	Lea	1988-06-21	F	I
	22	von Grueningen	Robert	1930-08-09	M	I
	1	Bachmann	Daniela	1960-03-04	F	I
	3	Bloggs	Joseph	1974-04-04	M	I
	4	Busley	Matthew	1920-08-20	M	I
	27	Chappell	Charles	1989-04-16	M	I
	999	Chariyavat	Porammate		M	I
	6	Copperdale	Alice	1990-05-05	F	I
	5	Dillenburg	Mike	1960-12-08	M	I
	9	Dragos	Istvan	1911-04-19	M	I
	101	Eisenstein	Armin	1969-03-14	M	I
	14	Grass	Mandy	1969-07-01	F	I

Action LastName FirstName BirthDay Sex Type  
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---P Message\* ---PF11---PF12---  
Quit Add Up Down >

- Screen name: BrowseCustomersAddress.

BCUSTBNO 03/12/06 \*\*\*\*\* Demo Insurance Solution \*\*\*\*\* - Browse Customers - BCUSTM11 18:29:15 2/2 Time\*

A	Customer ID	Country	Zipcode	City	Street	House Nr
	18	NL	3011 CB	Rotterdam	Baan	22
	2	DE	64297	Darmstadt	Katharinenstr.	17
	22	D	10117	Berlin	Unter d. Linden	10
	1	E	23558	Luebeck	Mellinger Allee	30A
	3	GB	M24 4AD	Manchester	Deansgate	123
	4	GB	AF3 D3C	Manchester	Trafford Lane	97
	27	GB	S6C 3T2	London	Cromwell Street	12
	999					
	6	CAN	M3J 1P3	Toronto	W 22nd Street	603
	5	USA	NY 10771	New York	Broadway	8023
	9	H	1071	Budapest	Balaton Street	171
	101	D	20117	Hamburg	Kieler Str.	66
	14	AUS	QL 4000	Brisbane	King Edward Str	102

Action\* Country ZipCode City Street House Nr

Enter--PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---  
Quit Add Up Down < > Message\*!>

## 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 *****      DPROPM01
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.