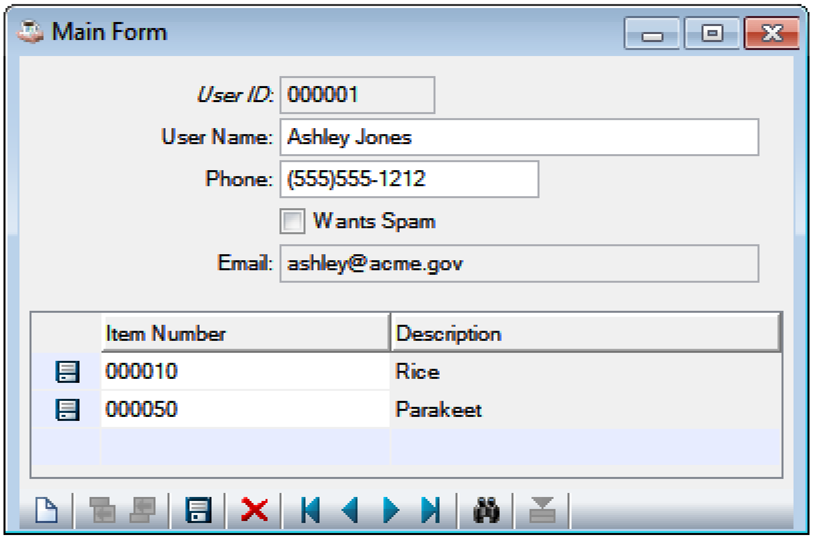
Barista Tutorial 4: Build a Header/Detail Form

This tutorial builds on Barista Tutorial 1 - Build a Simple Form.

What We Are Going To Build

We extend the form we created in the first tutorial to keep track of what each user currently has rented. We will create a number of tables which utilize foreign key constraints for ease, application functionality and constraint.



Main Form

User ID: 000001

User Name: Ashley Jones

Phone: (555)555-1212

□ Wants Spam

Email: ashley@acme.gov

Item Number	Description
000010	Rice
000050	Parakeet

In the beginner’s tutorial we created a very simple user master file. Now we'll add two more small tables – an item master file and a user+item detail file, listing items currently rented for each user.

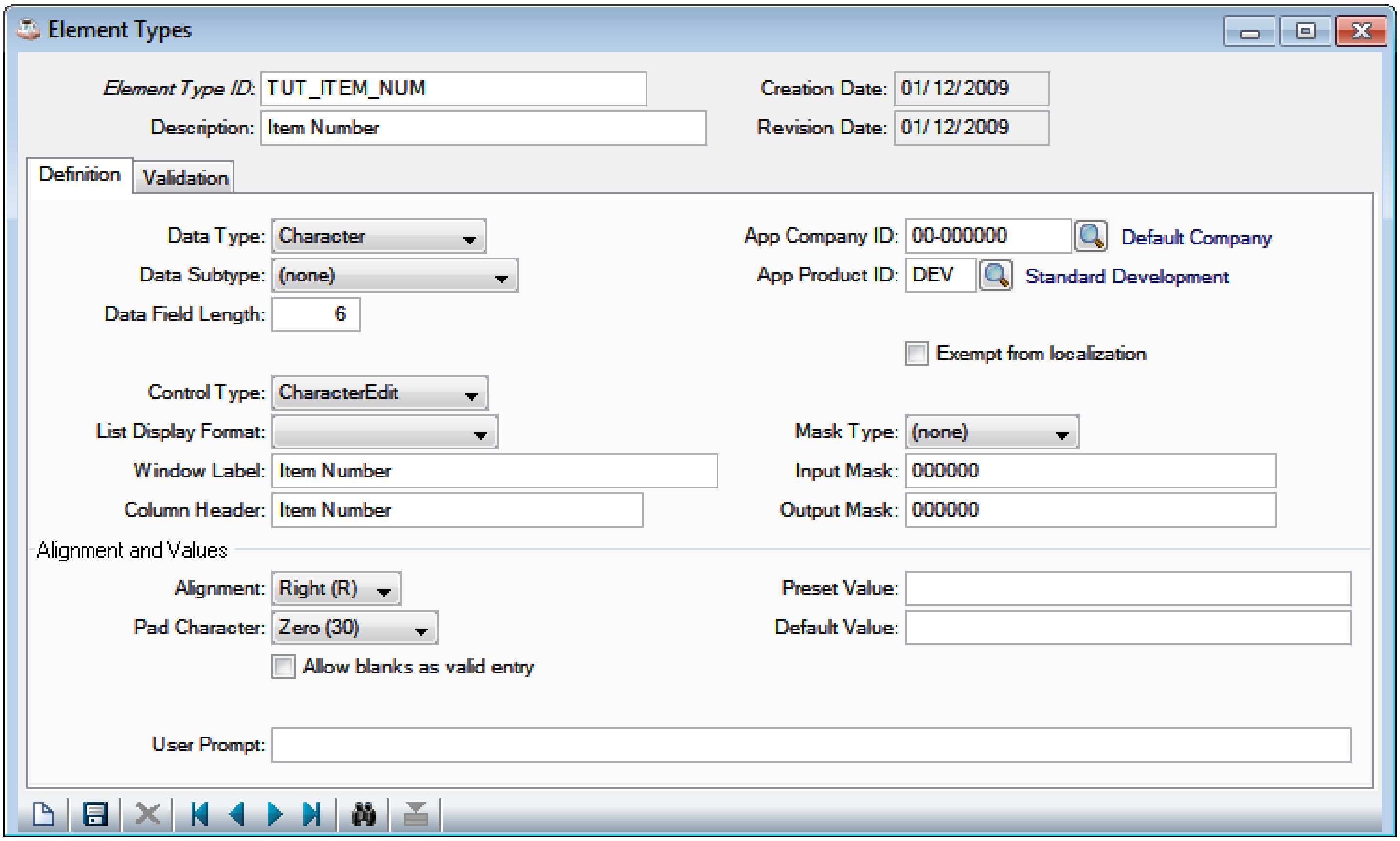
We need two more tables, one to map item numbers to their description, and one to track which items a user has rented. We'll start by defining the necessary data elements.

Define Element Types

Open Element Types Maintenance and define the following Element Types:

Add Element Type: TUT_ITEM_NUM

Location	Field	Value
Header	Data Element Name	TUT_ITEM_NUM
	Description	Item Number
Definition Tab	Data Field Length	6
	Input Mask	000000
	Output Mask	000000
	Alignment	Right
	Pad Character	Zero



Element Types

Element Type ID:	TUT_ITEM_NUM	Creation Date:	01/12/2009
Description:	Item Number	Revision Date:	01/12/2009

Data Type:	Character	App Company ID:	00-000000 Default Company
Data Subtype:	(none)	App Product ID:	DEV Standard Development
Data Field Length:	6		□ Exempt from localization
Control Type:	CharacterEdit		
List Display Format:		Mask Type:	(none)
Window Label:	Item Number	Input Mask:	000000
Column Header:	Item Number	Output Mask:	000000

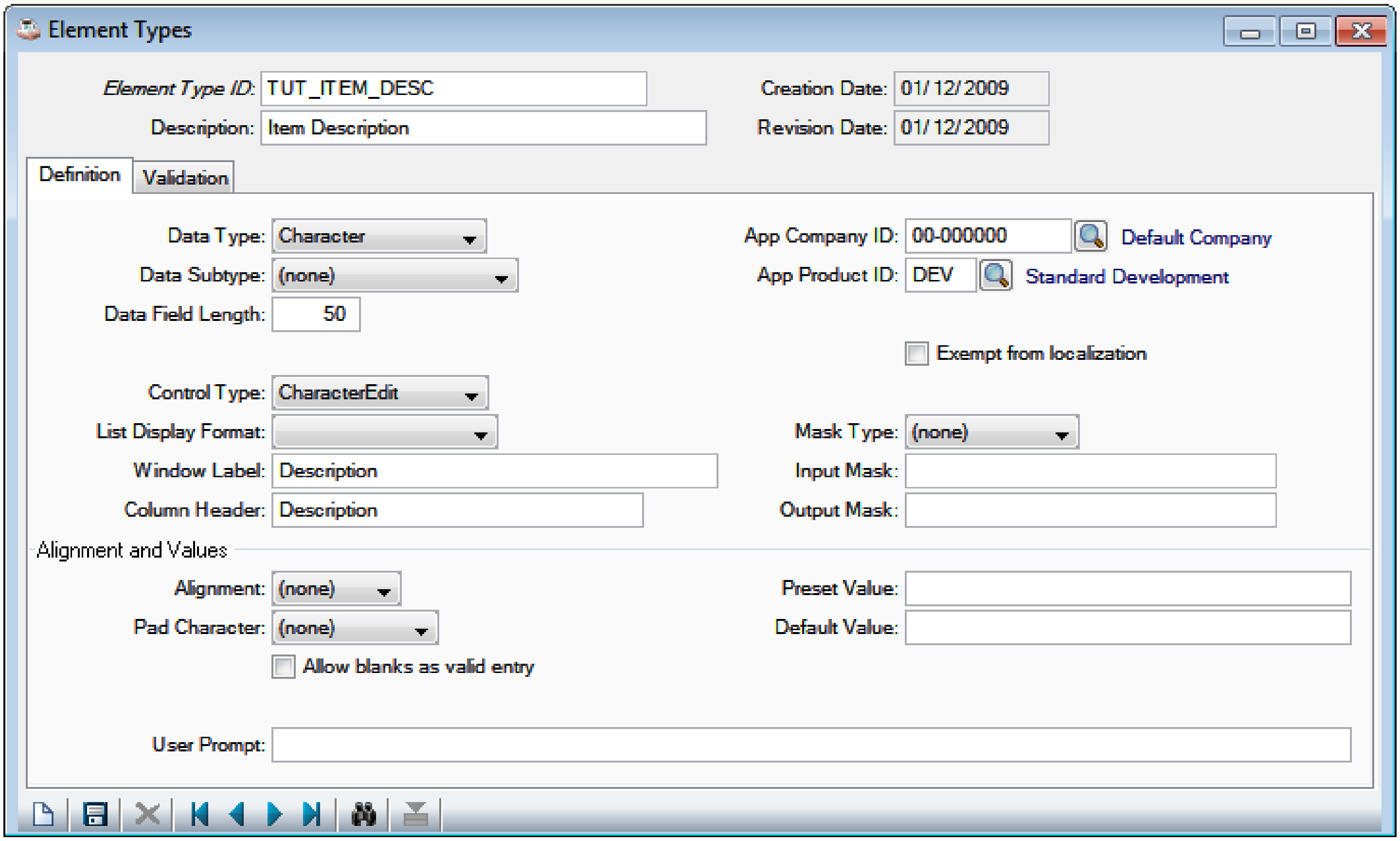
Alignment and Values

Alignment:	Right (R)	Preset Value:	
Pad Character:	Zero (30)	Default Value:	
	□ Allow blanks as valid entry		
User Prompt:			

Click or press [Ctrl]+S to save the record.

Add Element Type: TUT_ITEM_DESC

Location	Field	Value
Header	Data Element Name	TUT_ITEM_DESC
	Description	Item Description
Definition Tab	Data Field Length	50
	Column Header	Description



Element Type ID: TUT_ITEM_DESC
Creation Date: 01/12/2009
Description: Item Description
Revision Date: 01/12/2009

Data Type: Character
App Company ID: 00-000000 Default Company
Data Subtype: (none)
App Product ID: DEV Standard Development
Data Field Length: 50
□ Exempt from localization
Control Type: CharacterEdit
List Display Format:
Mask Type: (none)
Window Label: Description
Input Mask:
Column Header: Description
Output Mask:

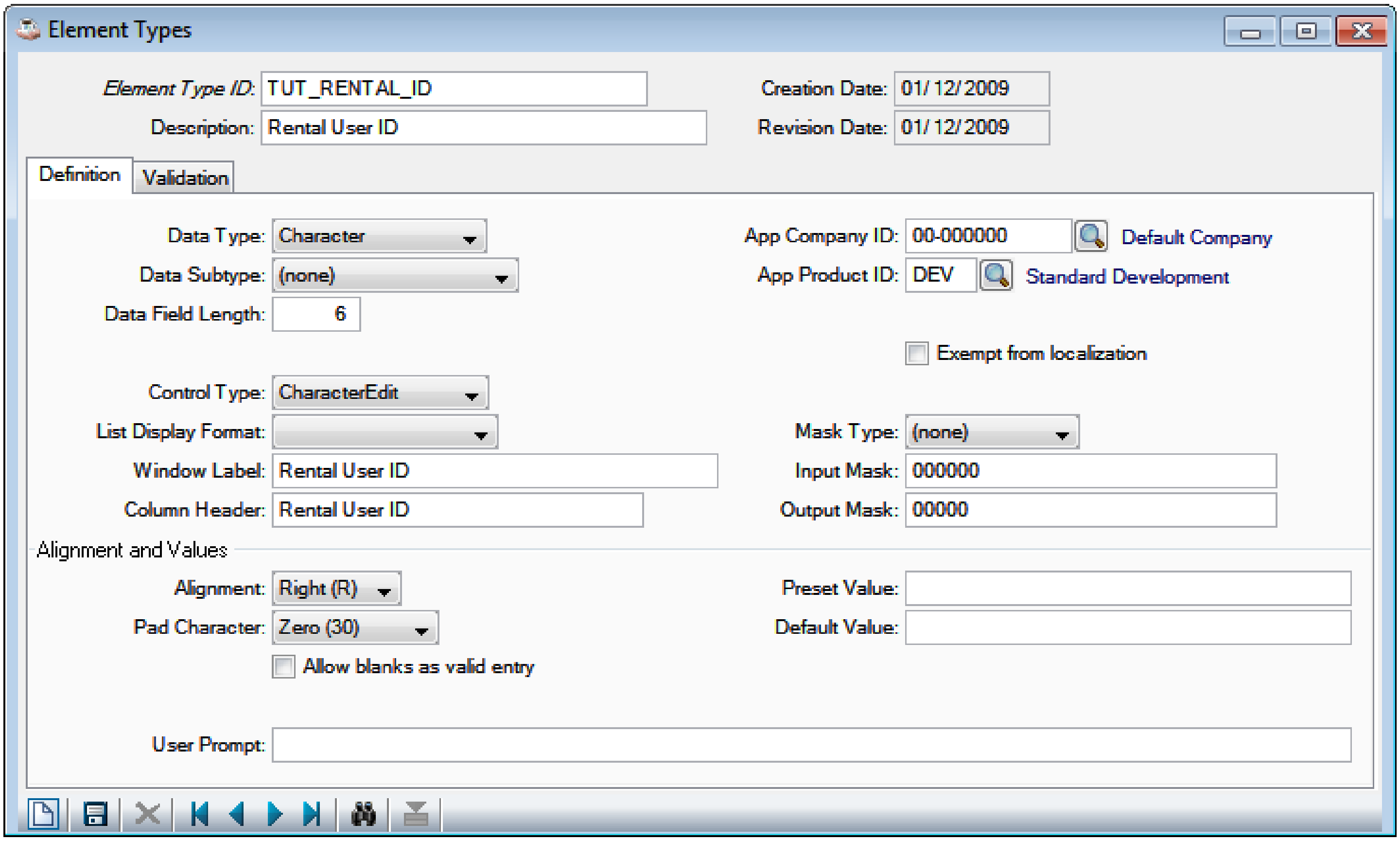
Alignment and Values
Alignment: (none)
Preset Value:
Pad Character: (none)
Default Value:
□ Allow blanks as valid entry
User Prompt:

Click 💾 or press [Ctrl]+S to save the record.

Add Element Type: TUT_RENTAL_ID

This is the same as TUT_USER_ID from TUT_MAIN_FORM, with the addition of table-based validation that will restrict input to values that already exist in TUT_MAIN_FORM.TUT_USER_ID.

Location	Field	Value	Notes
Header	Data Element Name	TUT_RENTAL_ID	
	Description	Rental User ID	
Definition Tab	Data Field Length	6	
	Input Mask	0000000	
	Output Mask	0000000	
	Alignment	Right	
	Pad Character	Zero	
Validation Tab	Validate Data Table	TUT_MAIN_FORM	This enforces the rule that TUT_RENTAL_ID must exist as a key to the TUT_MAIN_FORM table.
	Data Column	TUT_USER_NAME	TUT_USER_NAME is the field of TUT_MAIN_FORM that will be displayed next to TUT_RENTAL_ID.

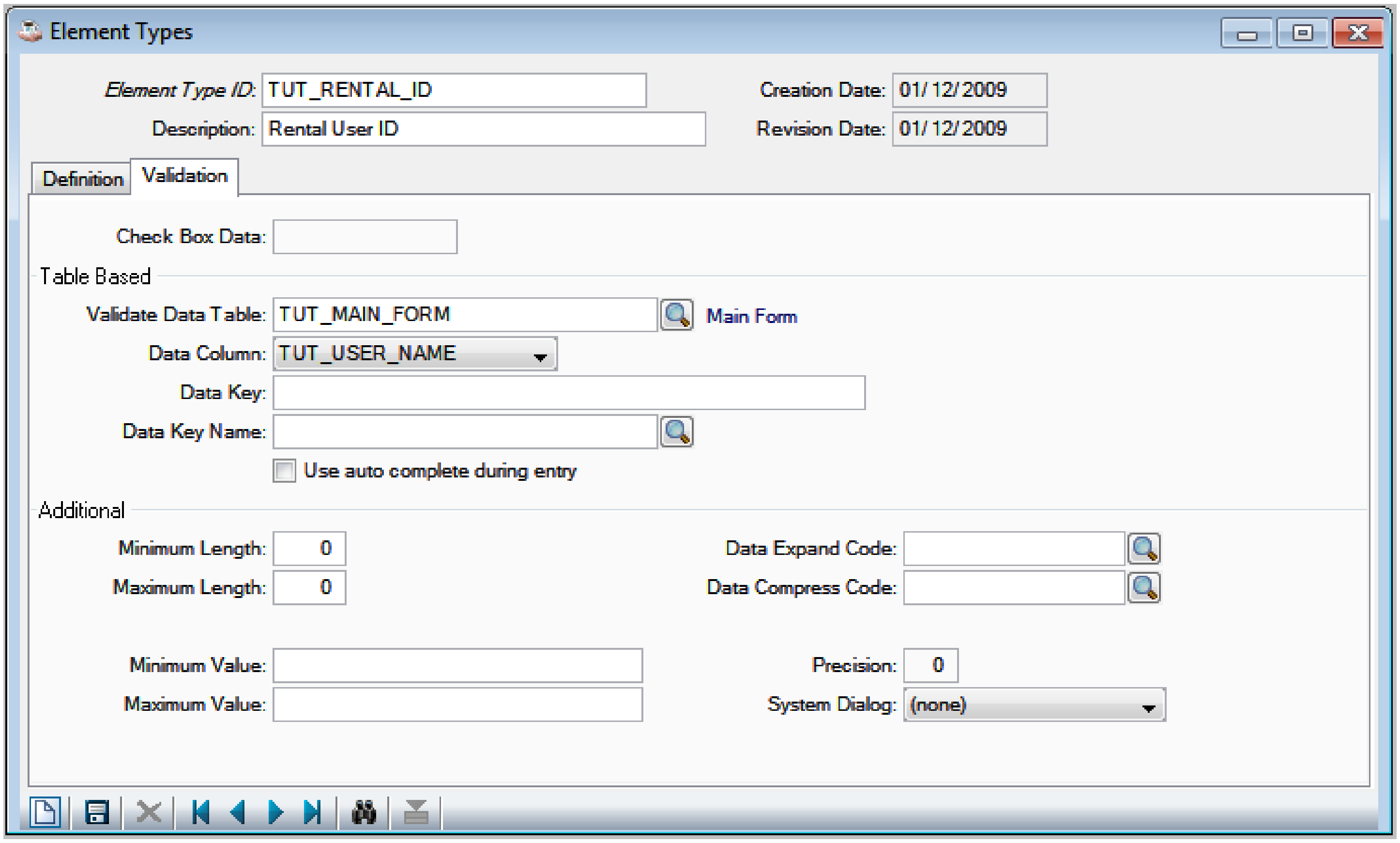


Element Type ID:	TUT_RENTAL_ID	Creation Date:	01/12/2009
Description:	Rental User ID	Revision Date:	01/12/2009

Data Type:	Character	App Company ID:	00-000000 Default Company
Data Subtype:	(none)	App Product ID:	DEV Standard Development
Data Field Length:	6		□ Exempt from localization
Control Type:	CharacterEdit		
List Display Format:		Mask Type:	(none)
Window Label:	Rental User ID	Input Mask:	000000
Column Header:	Rental User ID	Output Mask:	00000

Alignment and Values

Alignment:	Right (R)	Preset Value:	
Pad Character:	Zero (30)	Default Value:	
	□ Allow blanks as valid entry		
User Prompt:			



Element Type ID:	TUT_RENTAL_ID	Creation Date:	01/12/2009
Description:	Rental User ID	Revision Date:	01/12/2009

Check Box Data:	

Table Based

Validate Data Table:	TUT_MAIN_FORM Main Form
Data Column:	TUT_USER_NAME
Data Key:	
Data Key Name:	
	□ Use auto complete during entry

Additional

Minimum Length:	0	Data Expand Code:	
Maximum Length:	0	Data Compress Code:	
Minimum Value:		Precision:	0
Maximum Value:		System Dialog:	(none)

Click or press [Ctrl]+S to save the record.

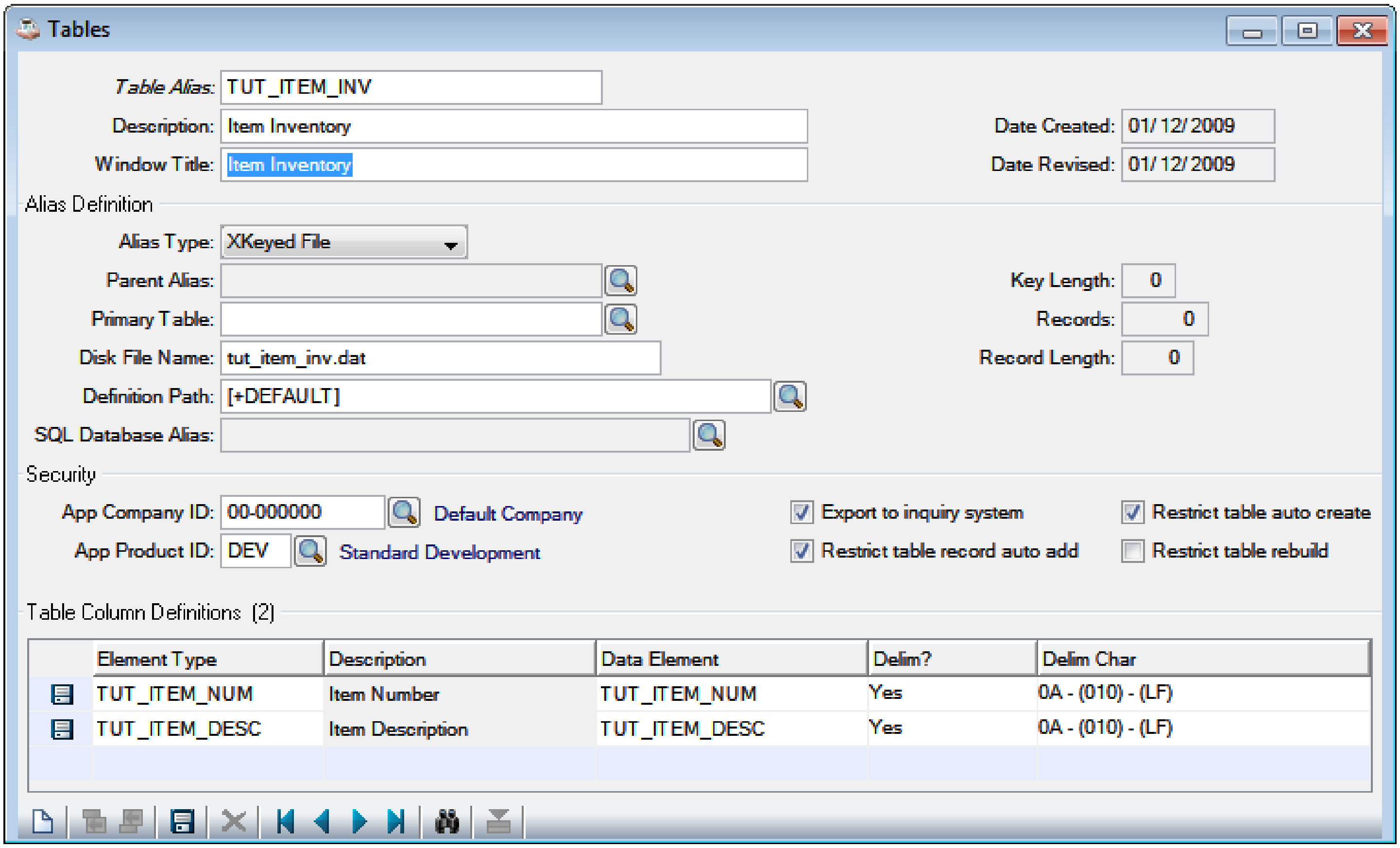
We can close Element Types Maintenance now. The next step is to define the tables that will use these data elements.

Define Tables

Open Table Maintenance and define the following tables:

Add Item Inventory Table: TUT_ITEM_INV

Location	Field	Value
Header	Table Alias	TUT_ITEM_INV
	Description	Item Inventory
Detail	Element Type	Data Element
	TUT_ITEM_NUM	TUT_ITEM_NUM
	TUT_ITEM_DESC	TUT_ITEM_DESC



Tables

Table Alias: TUT_ITEM_INV

Description: Item Inventory

Window Title: Item Inventory

Date Created: 01/12/2009

Date Revised: 01/12/2009

Alias Definition

Alias Type: XKeyed File

Parent Alias:

Primary Table:

Disk File Name: tut_item_inv.dat

Definition Path: [+DEFAULT]

SQL Database Alias:

Key Length: 0

Records: 0

Record Length: 0

Security

App Company ID: 00-000000 Default Company

App Product ID: DEV Standard Development

☑ Export to inquiry system

☑ Restrict table auto create

☑ Restrict table record auto add

☐ Restrict table rebuild

Table Column Definitions (2)

Element Type	Description	Data Element	Delim?	Delim Char
TUT_ITEM_NUM	Item Number	TUT_ITEM_NUM	Yes	0A - (010) - (LF)
TUT_ITEM_DESC	Item Description	TUT_ITEM_DESC	Yes	0A - (010) - (LF)

Press F7 to return to the header, then click 💾 or press [Ctrl]+S to save the table definition.

Set the primary key to TUT_ITEM_NUM using Options > Key Definitions.

Create the file using Options > Create/Update Table.

Add Item Inventory Table: TUT_RENT_FORM

Location	Field	Value	Notes
Header	Table Alias	TUT_RENT_FORM	
	Description	Rented Items	
Detail	Element Type	Data Element	Notes
	TUT_RENTAL_ID	TUT_USER_ID	The Data Element name TUT_USER_ID enables Barista to link

			it to the TUT_MAIN_FORM key.
	TUT_ITEM_NUM	TUT_ITEM_NUM	

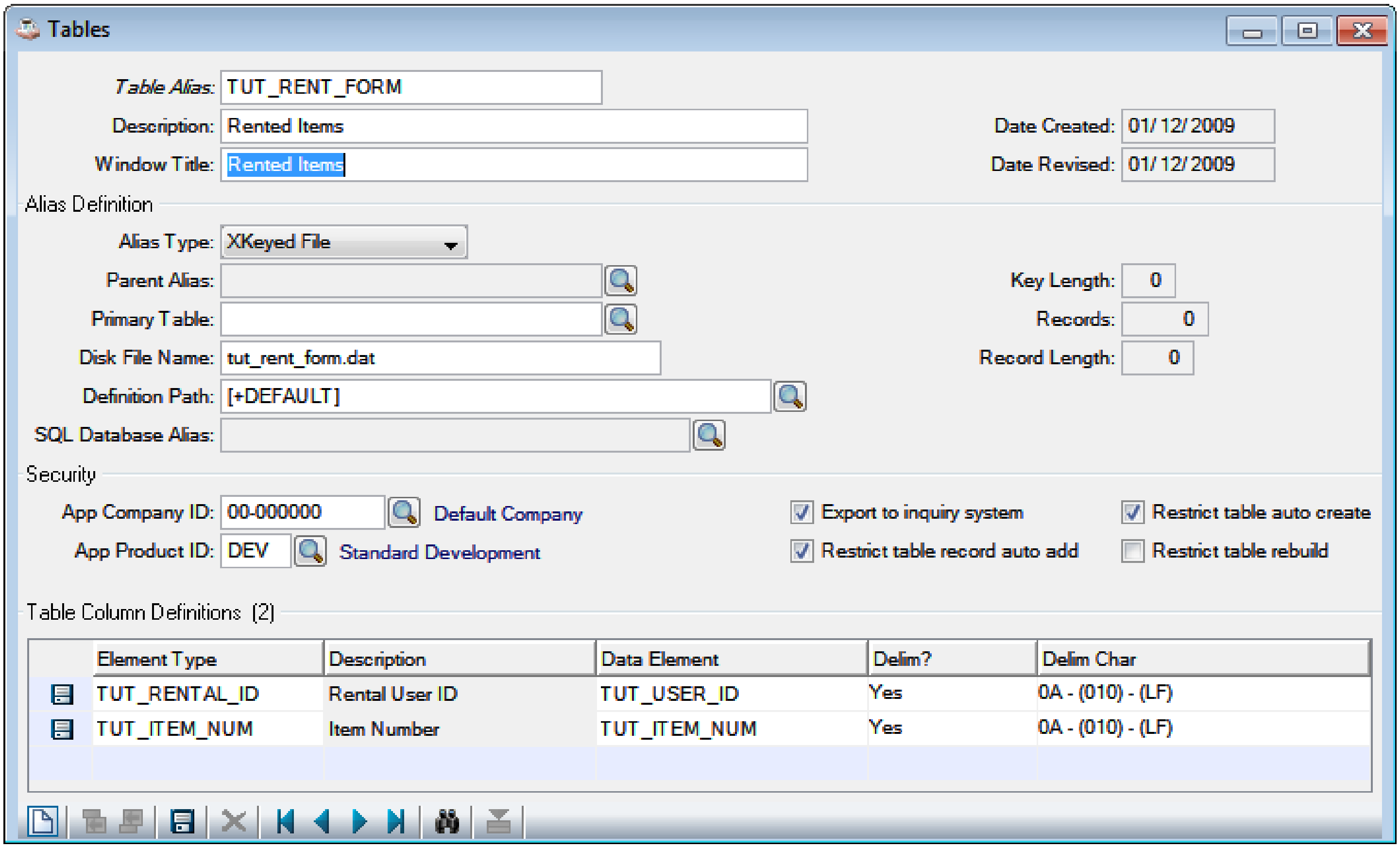


Table Alias: TUT_RENT_FORM
Description: Rented Items
Window Title: Rented Items
Date Created: 01/12/2009
Date Revised: 01/12/2009

Alias Definition
Alias Type: XKeyed File
Parent Alias:
Primary Table:
Disk File Name: tut_rent_form.dat
Definition Path: [+DEFAULT]
SQL Database Alias:
Key Length: 0
Records: 0
Record Length: 0

Security
App Company ID: 00-000000 Default Company
App Product ID: DEV Standard Development
☑ Export to inquiry system
☑ Restrict table record auto add
☑ Restrict table auto create
☐ Restrict table rebuild

Table Column Definitions (2)

Element Type	Description	Data Element	Delim?	Delim Char
TUT_RENTAL_ID	Rental User ID	TUT_USER_ID	Yes	0A - (010) - (LF)
TUT_ITEM_NUM	Item Number	TUT_ITEM_NUM	Yes	0A - (010) - (LF)

Press F7 to return to the header, then click 💾 or press [Ctrl]+S to save the table definition.

Set the primary key to TUT_USER_ID+TUT_ITEM_NUM using Options > Key Definitions.

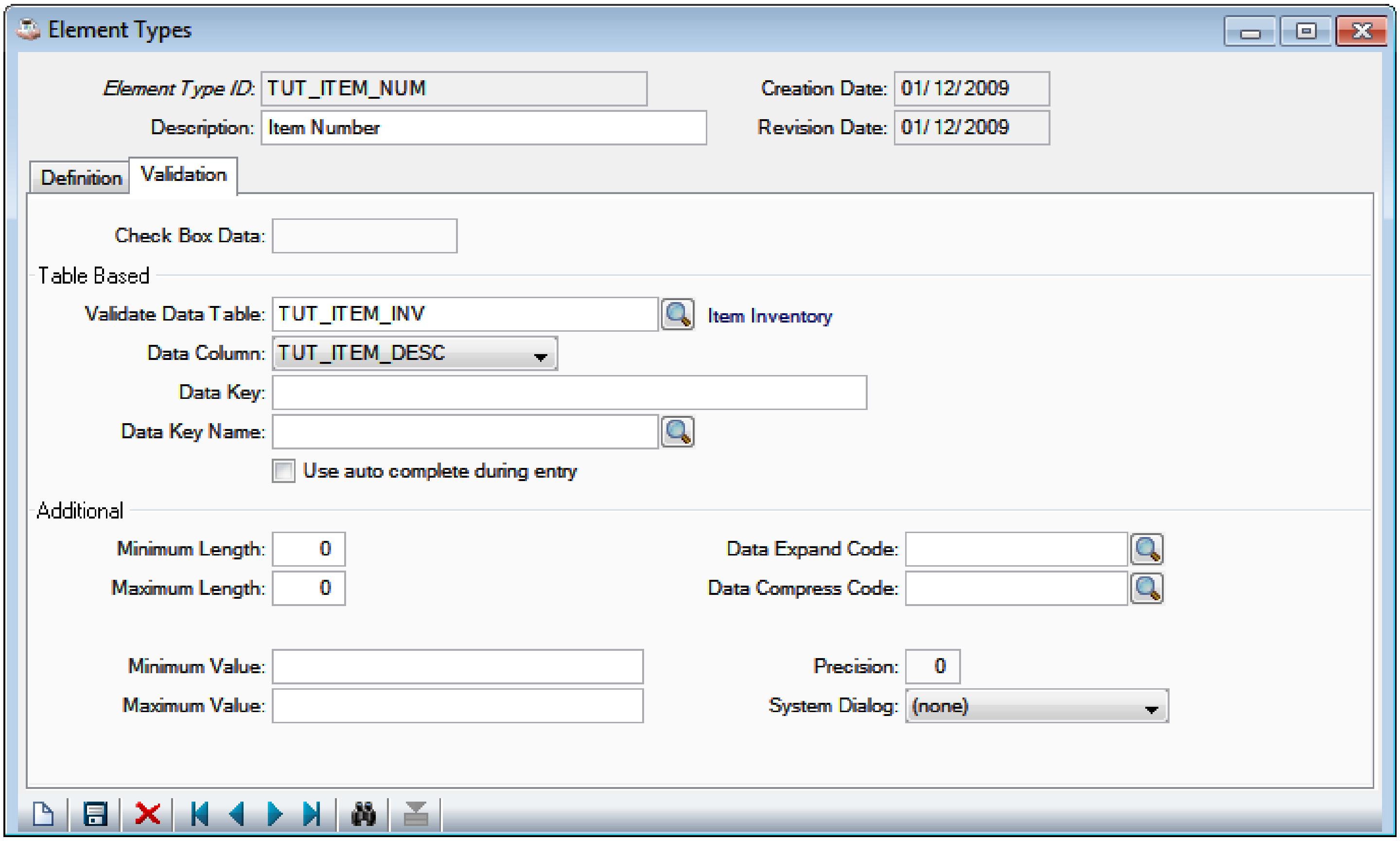
Create the file using Options > Create/Update Table.

We can close Tables Maintenance now.

Define foreign key dependency for TUT_ITEM_NUM.

Open Element Types Maintenance, load the TUT_ITEM_NUM record, and add the following two fields:

Location	Field	Value
Validation Tab	Validate Data Table	TUT_ITEM_INV
	Data Column	TUT_ITEM_DESC



Element Type ID: TUT_ITEM_NUM

Description: Item Number

Creation Date: 01/12/2009

Revision Date: 01/12/2009

Check Box Data:

Table Based

Validate Data Table: TUT_ITEM_INV Item Inventory

Data Column: TUT_ITEM_DESC

Data Key:

Data Key Name:

□ Use auto complete during entry

Additional

Minimum Length: 0

Maximum Length: 0

Data Expand Code:

Data Compress Code:

Minimum Value:

Maximum Value:

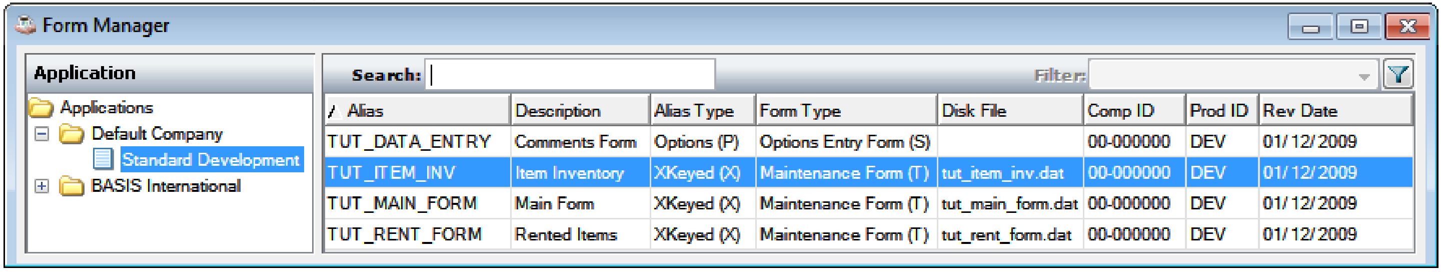
Precision: 0

System Dialog: (none)

Click 💾 or press [Ctrl]+S to save these changes, then close Element Types Maintenance. You can click "No" to the question that comes up asking if you want to rebuild forms; we'll be doing that in the next step.

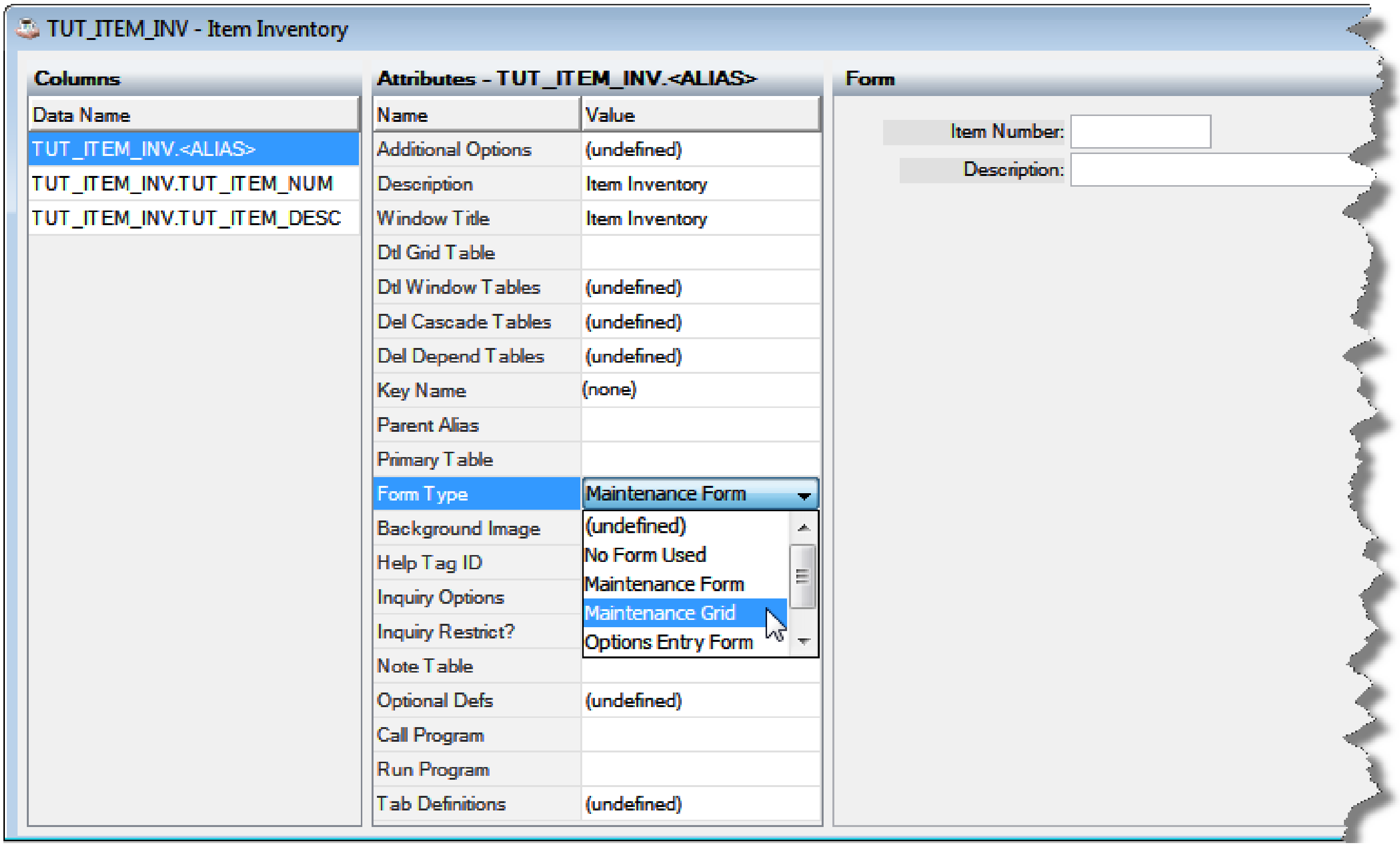
Build the forms for TUT_ITEM_INV & TUT_RENT_FORM.

Open the Form Manager and double-click on TUT_ITEM_INV.



Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Items	XKeyed (X)	Maintenance Form (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

Change the Form Type from Maintenance Form to Maintenance Grid:



TUT_ITEM_INV - Item Inventory

Columns

Data Name
TUT_ITEM_INV.<ALIAS>
TUT_ITEM_INV.TUT_ITEM_NUM
TUT_ITEM_INV.TUT_ITEM_DESC

Attributes - TUT_ITEM_INV.<ALIAS>

Name	Value
Additional Options	(undefined)
Description	Item Inventory
Window Title	Item Inventory
Dtl Grid Table	
Dtl Window Tables	(undefined)
Del Cascade Tables	(undefined)
Del Depend Tables	(undefined)
Key Name	(none)
Parent Alias	
Primary Table	
Form Type	Maintenance Form
Background Image	
Help Tag ID	
Inquiry Options	
Inquiry Restrict?	
Note Table	
Optional Defs	(undefined)
Call Program	
Run Program	
Tab Definitions	(undefined)

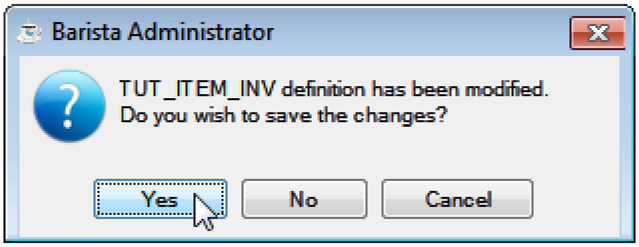
(undefined)
No Form Used
Maintenance Form
Maintenance Grid
Options Entry Form

Form

Item Number:

Description:

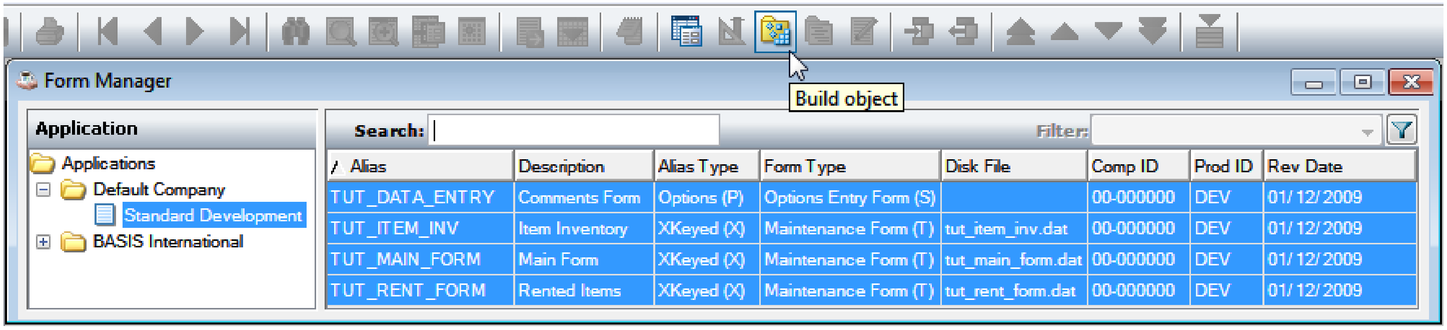
Close the Form Designer, saving that change:



Barista Administrator

TUT_ITEM_INV definition has been modified.
Do you wish to save the changes?

Back in the Form Manager, select all of your forms and click ▦ or press [Ctrl]+B to build them:



Form Manager

Application

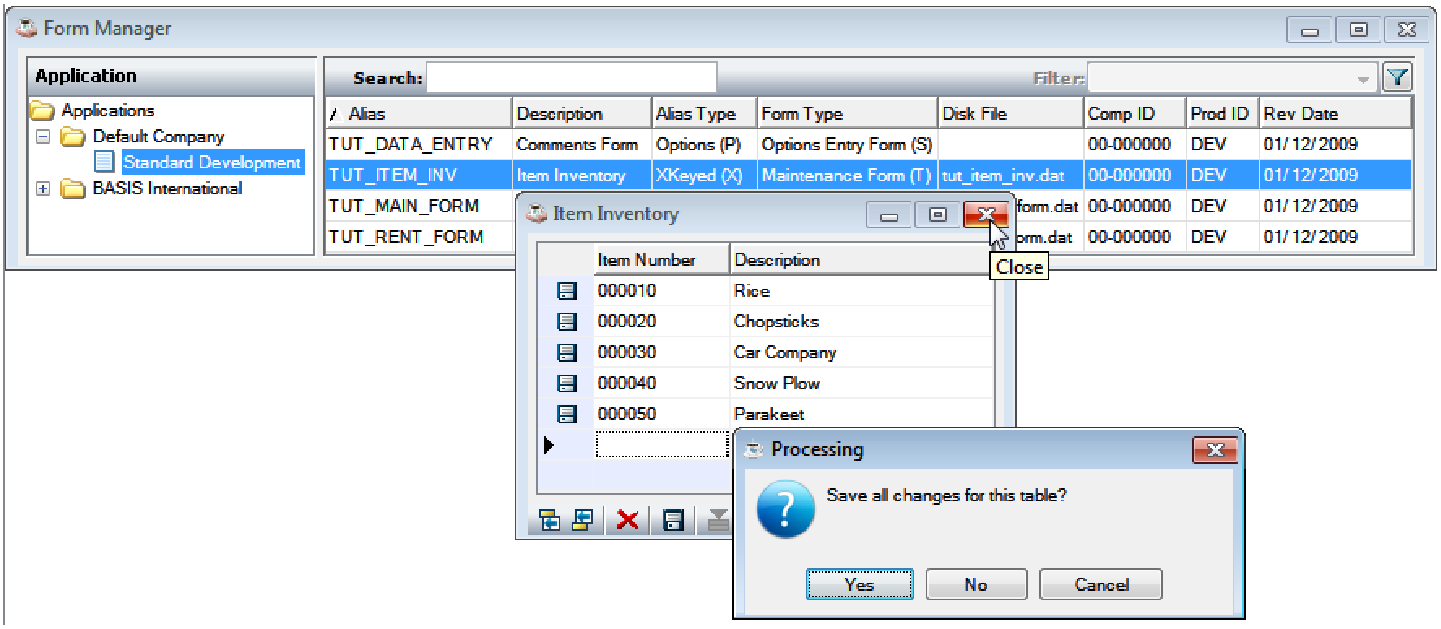
- Applications
  - Default Company
    - Standard Development
  - BASIS International

Search:

Filter:

Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Items	XKeyed (X)	Maintenance Form (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

You can now run any of those forms by selecting it, then clicking ➡ or pressing F5. First, run TUT_ITEM_INV and create some inventory items:



Form Manager

Application
- Applications
  - Default Company
    - Standard Development
  - BASIS International

Search:

Filter:

/ Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM				form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM				orm.dat	00-000000	DEV	01/12/2009

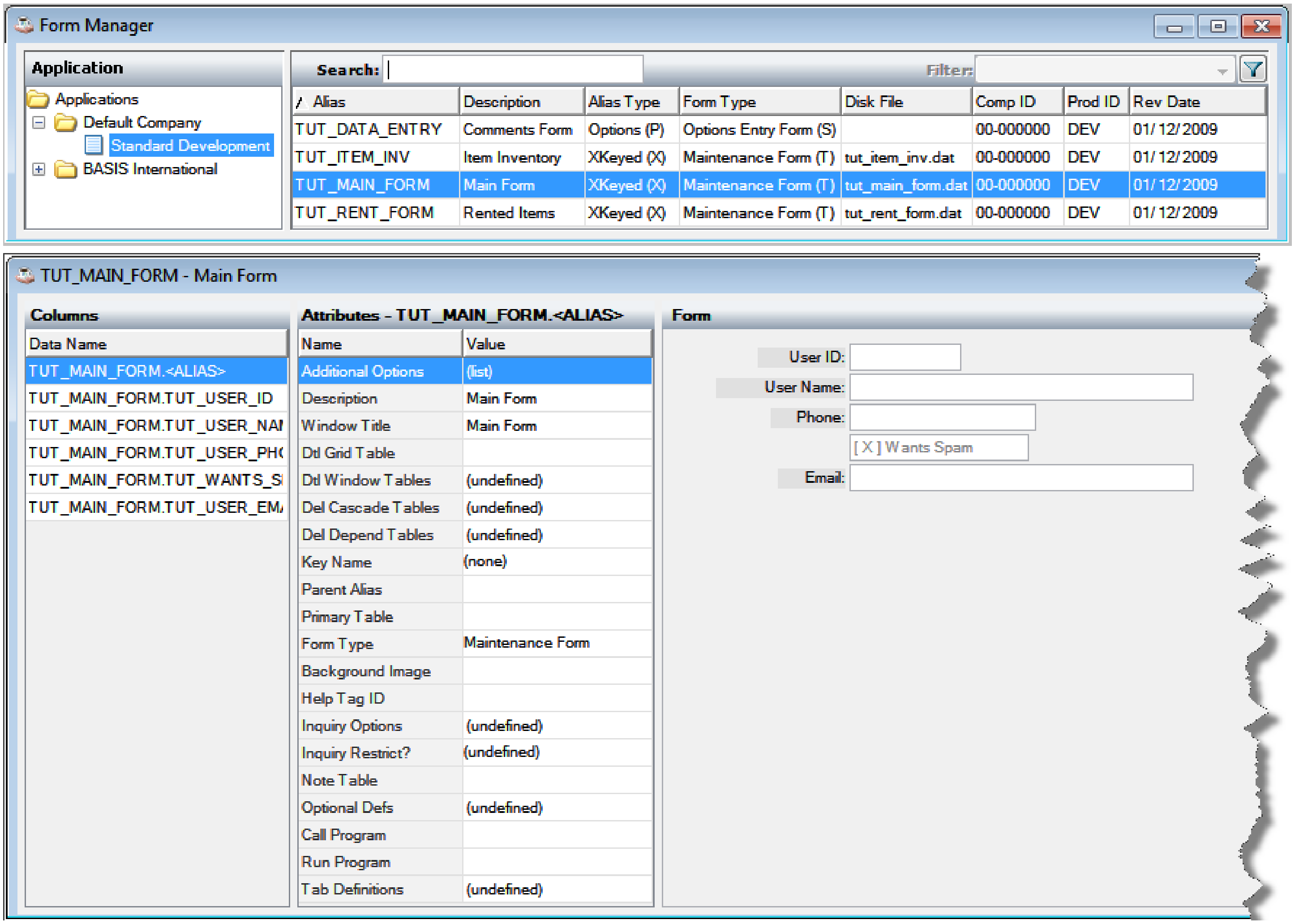
Item Inventory

Item Number	Description
000010	Rice
000020	Chopsticks
000030	Car Company
000040	Snow Plow
000050	Parakeet

Processing

Save all changes for this table?

Next, double-click on TUT_MAIN_FORM to load it in the Form Designer.



Form Manager

Application
- Applications
  - Default Company
    - Standard Development
  - BASIS International

Search:

Filter:

/ Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Items	XKeyed (X)	Maintenance Form (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAI
TUT_MAIN_FORM.TUT_USER_PH(
TUT_MAIN_FORM.TUT_WANTS_S
TUT_MAIN_FORM.TUT_USER_EM/

Attributes - TUT_MAIN_FORM.<ALIAS>

Name	Value
Additional Options	(list)
Description	Main Form
Window Title	Main Form
Dtl Grid Table	
Dtl Window Tables	(undefined)
Del Cascade Tables	(undefined)
Del Depend Tables	(undefined)
Key Name	(none)
Parent Alias	
Primary Table	
Form Type	Maintenance Form
Background Image	
Help Tag ID	
Inquiry Options	(undefined)
Inquiry Restrict?	(undefined)
Note Table	
Optional Defs	(undefined)
Call Program	
Run Program	
Tab Definitions	(undefined)

Form

User ID:

User Name:

Phone:

[X] Wants Spam

Email:

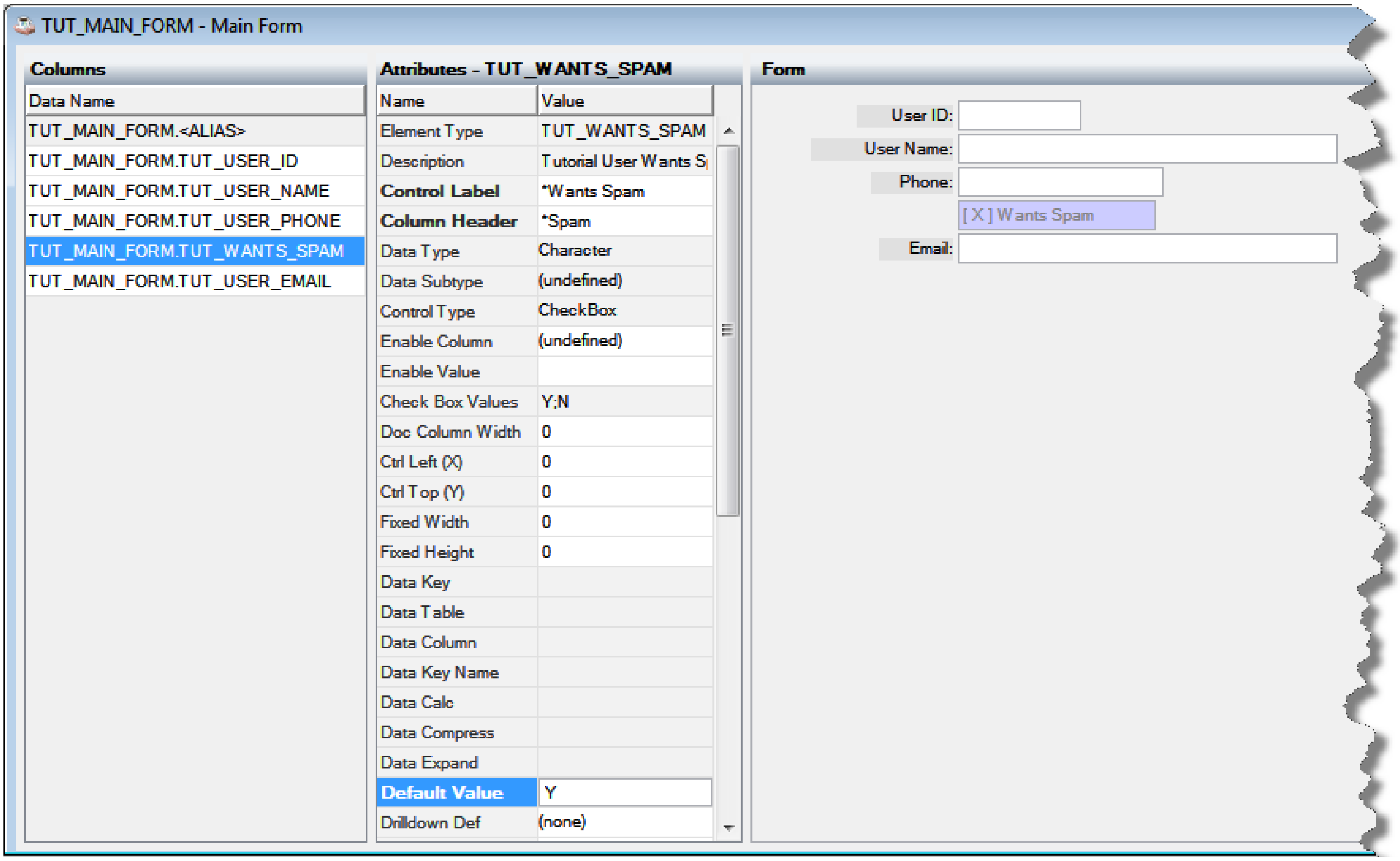
Most of the configuration and additions to your forms will be done via this screen. In addition to configuring the form, this is the entry point for editing the call points, which you would use to add custom logic. For more information, see Barista Tutorial 3: Define Callpoints.

On the left of the Form Designer is a list which contains the columns and the form itself. Selecting items here displays the attributes of that column in the center. Double click the values of the attributes to edit them. On the right of the Form Designer is a display of what the form will look like. You can select items or re-arrange the form from here. See Getting Started for more information on the various attributes of the form designer, and Barista Tutorial 2: Customize a Form for more information about reformatting forms.

First we'll tweak the spam section.

Setting up the spam section

Select the TUT_WANTS_SPAM field, double click the ***default value*** attribute and change it to **Y**.



TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAME
TUT_MAIN_FORM.TUT_USER_PHONE
TUT_MAIN_FORM.TUT_WANTS_SPAM
TUT_MAIN_FORM.TUT_USER_EMAIL

Attributes - TUT_WANTS_SPAM

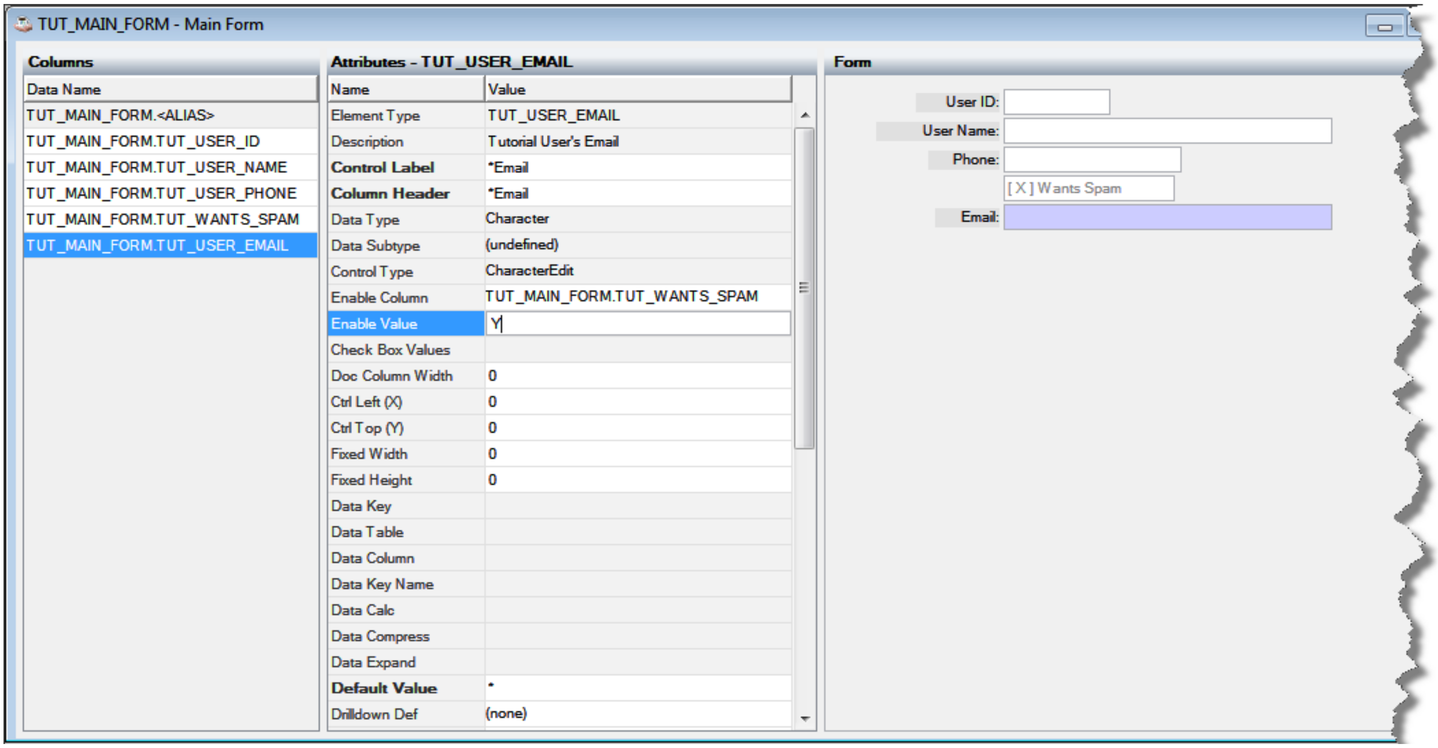
Name	Value
Element Type	TUT_WANTS_SPAM
Description	Tutorial User Wants S
Control Label	*Wants Spam
Column Header	*Spam
Data Type	Character
Data Subtype	(undefined)
Control Type	CheckBox
Enable Column	(undefined)
Enable Value	
Check Box Values	Y;N
Doc Column Width	0
Ctrl Left (X)	0
Ctrl Top (Y)	0
Fixed Width	0
Fixed Height	0
Data Key	
Data Table	
Data Column	
Data Key Name	
Data Calc	
Data Compress	
Data Expand	
Default Value	Y
Drilldown Def	(none)

Form

User ID:	
User Name:	
Phone:	
	[X] Wants Spam
Email:	

Select the TUT_USER_EMAIL field, then:

- Double click the ***Enable Column*** and select TUT_MAIN_FORM.TUT_WANTS_SPAM.
- Double click the ***Enable Value*** and enter **Y.**



TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAME
TUT_MAIN_FORM.TUT_USER_PHONE
TUT_MAIN_FORM.TUT_WANTS_SPAM
TUT_MAIN_FORM.TUT_USER_EMAIL

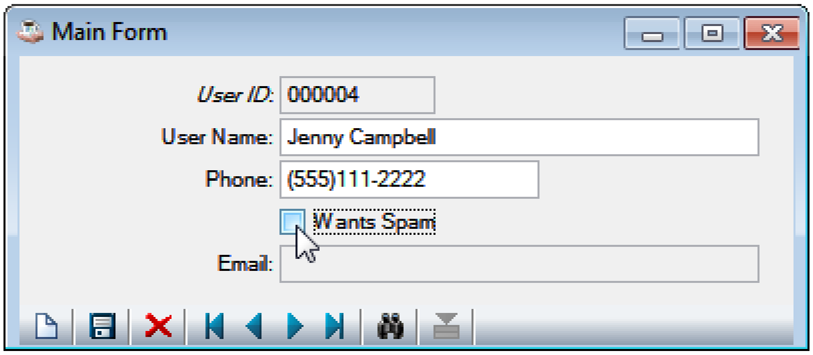
Attributes - TUT_USER_EMAIL

Name	Value
Element Type	TUT_USER_EMAIL
Description	Tutorial User's Email
Control Label	*Email
Column Header	*Email
Data Type	Character
Data Subtype	(undefined)
Control Type	CharacterEdit
Enable Column	TUT_MAIN_FORM.TUT_WANTS_SPAM
Enable Value	Y
Check Box Values	
Doc Column Width	0
Ctrl Left (X)	0
Ctrl Top (Y)	0
Fixed Width	0
Fixed Height	0
Data Key	
Data Table	
Data Column	
Data Key Name	
Data Calc	
Data Compress	
Data Expand	
Default Value	*
Drilldown Def	(none)

Form

User ID:	
User Name:	
Phone:	
	[X] Wants Spam
Email:	

Click → or press F5 to test these changes.



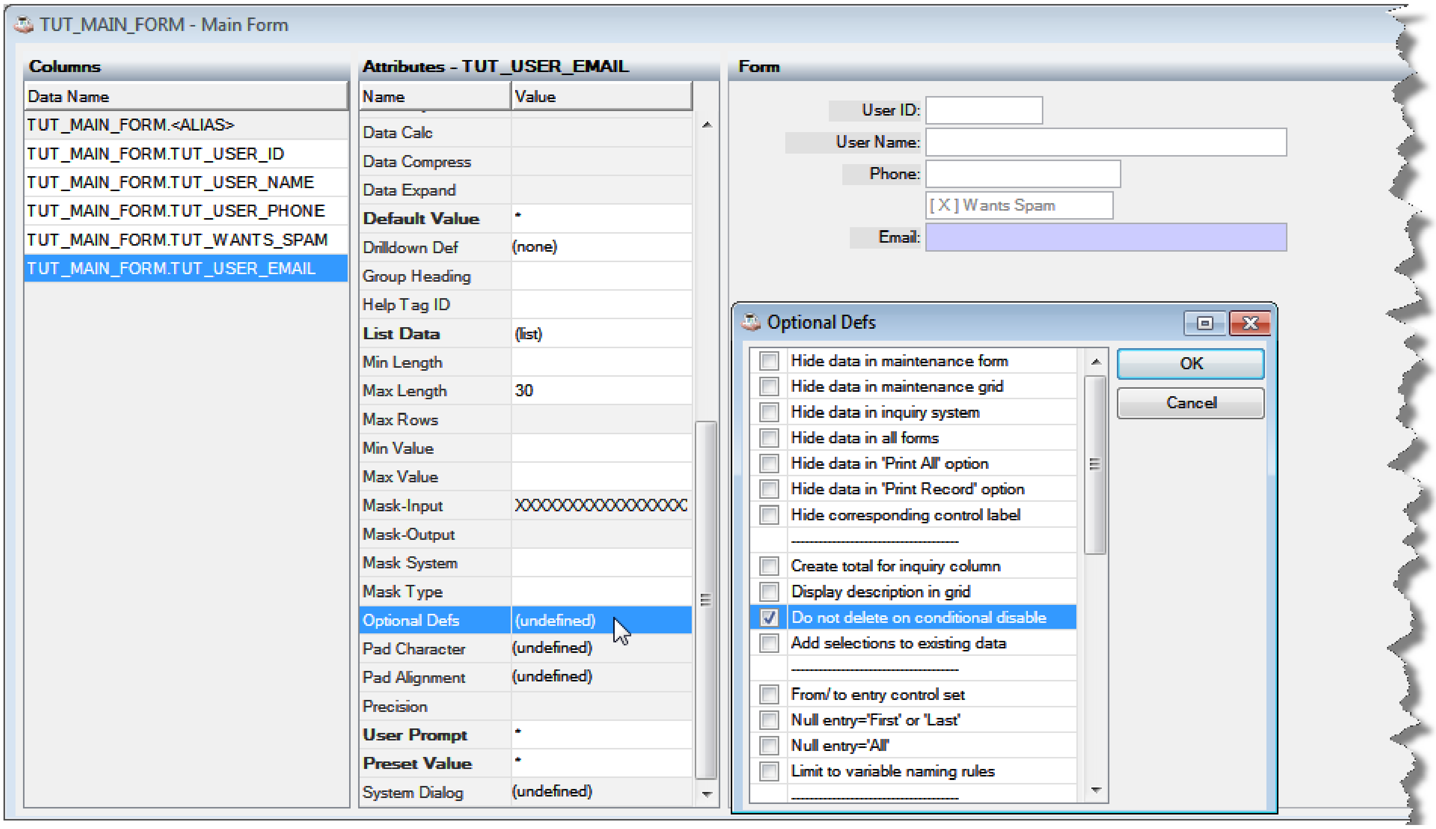
Main Form

User ID:	000004
User Name:	Jenny Campbell
Phone:	(555)111-2222
	□ Wants Spam
Email:	

Unchecking the "Wants Spam" checkbox now disables and clears the email field. You might choose to keep the value, even if the checkbox is cleared. We'll do this via the **Optional Defs** attributes.

Keep a conditionally disabled field’s value

- Select the TUT_USER_EMAIL field.
- Double click next to ***Optional Defs***.
- Check the box next to “Do not delete on conditional disable”.
- Click [OK] to save this change.



TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAME
TUT_MAIN_FORM.TUT_USER_PHONE
TUT_MAIN_FORM.TUT_WANTS_SPAM
TUT_MAIN_FORM.TUT_USER_EMAIL

Attributes - TUT_USER_EMAIL

Name	Value
Data Calc	
Data Compress	
Data Expand	
Default Value	*
Drilldown Def	(none)
Group Heading	
Help Tag ID	
List Data	(list)
Min Length	
Max Length	30
Max Rows	
Min Value	
Max Value	
Mask-Input	XXXXXXXXXXXXXXXXX
Mask-Output	
Mask System	
Mask Type	
Optional Defs	(undefined)
Pad Character	(undefined)
Pad Alignment	(undefined)
Precision	
User Prompt	*
Preset Value	*
System Dialog	(undefined)

Form

User ID:	
User Name:	
Phone:	
	[X] Wants Spam
Email:	

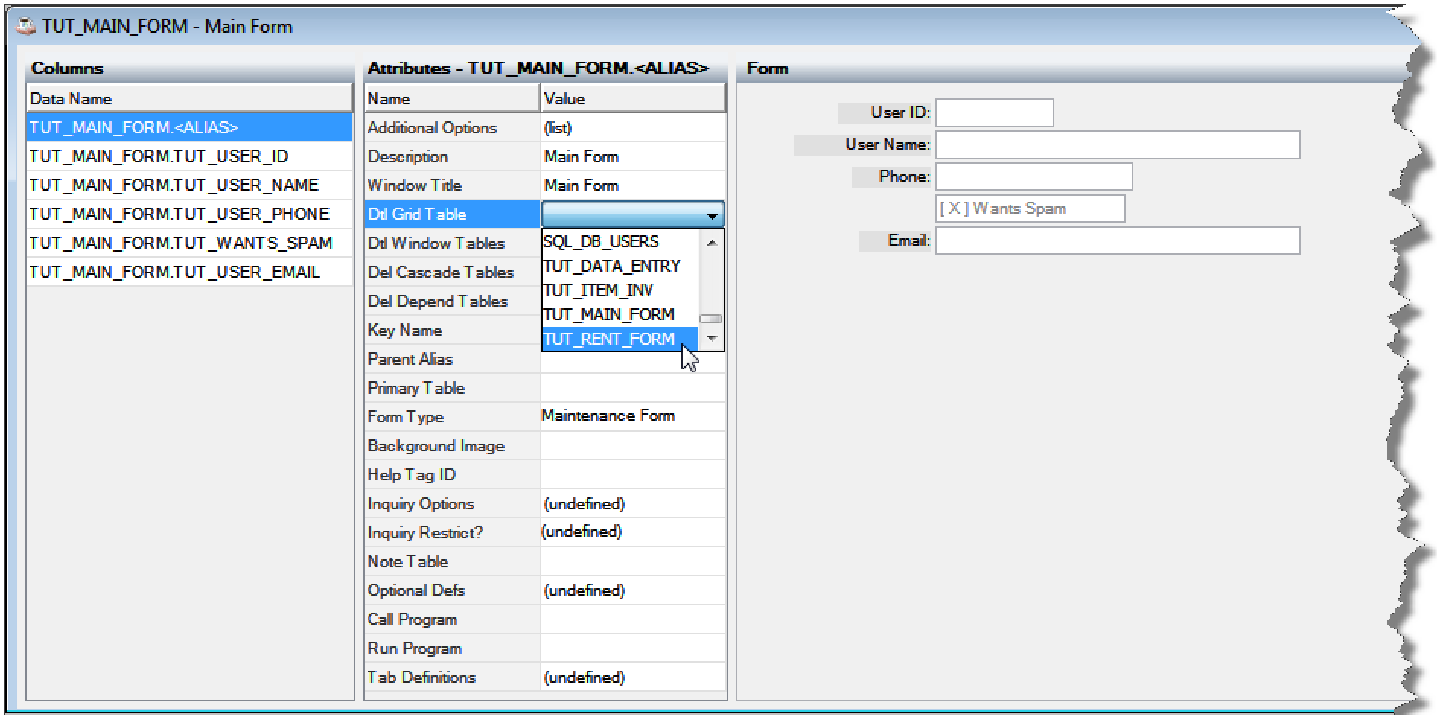
Optional Defs

- □ Hide data in maintenance form
- □ Hide data in maintenance grid
- □ Hide data in inquiry system
- □ Hide data in all forms
- □ Hide data in 'Print All' option
- □ Hide data in 'Print Record' option
- □ Hide corresponding control label
- ------------------------------
- □ Create total for inquiry column
- □ Display description in grid
- ☑ Do not delete on conditional disable
- □ Add selections to existing data
- ------------------------------
- □ From/ to entry control set
- □ Null entry='First' or 'Last'
- □ Null entry='All'
- □ Limit to variable naming rules
- ------------------------------

Next we will tie together all the tables to show what each user has rented. This will be done using a **detail grid**. The data in the detail grid is indexed by the primary key of the main (or header) form. So in this case, we will display the TUT_RENT_FORM as our detail grid. The key for the TUT_RENT_FORM is the USER_ID of the TUT_MAIN_FORM. The TUT_ITEM_NUM of TUT_RENT_FORM uses a table validation and can be set to display the Description from TUT_ITEM_INV as a read-only column in the grid.

Adding a Detail Grid

Call up TUT_RENT_FORM in Table maintenance and enter/select TUT_MAIN_FORM as the Primary Table to establish a link between the tables. Then call up TUT_MAIN_FORM in the Form Designer, select TUT_MAIN_FORM.<ALIAS> in Columns, and change Dtl Grid Table to TUT_RENT_FORM.



TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAME
TUT_MAIN_FORM.TUT_USER_PHONE
TUT_MAIN_FORM.TUT_WANTS_SPAM
TUT_MAIN_FORM.TUT_USER_EMAIL

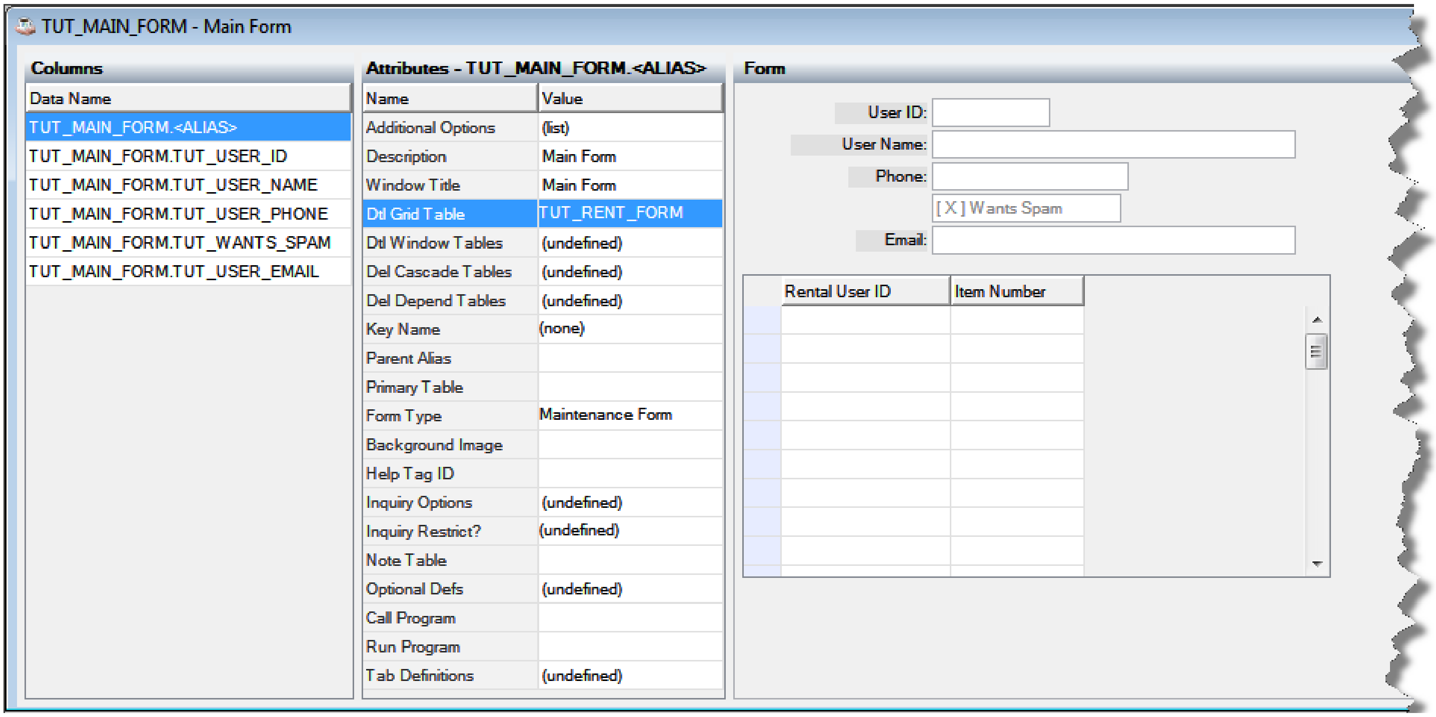
Attributes - TUT_MAIN_FORM.<ALIAS>

Name	Value
Additional Options	(list)
Description	Main Form
Window Title	Main Form
Dtl Grid Table	
Dtl Window Tables	
Del Cascade Tables	
Del Depend Tables	
Key Name	
Parent Alias	
Primary Table	
Form Type	Maintenance Form
Background Image	
Help Tag ID	
Inquiry Options	(undefined)
Inquiry Restrict?	(undefined)
Note Table	
Optional Defs	(undefined)
Call Program	
Run Program	
Tab Definitions	(undefined)

Form

User ID:
User Name:
Phone:
[X] Wants Spam
Email:

Click ⟳ or press [Alt]+F5 to update the displayed form.



TUT_MAIN_FORM - Main Form

Columns

Data Name
TUT_MAIN_FORM.<ALIAS>
TUT_MAIN_FORM.TUT_USER_ID
TUT_MAIN_FORM.TUT_USER_NAME
TUT_MAIN_FORM.TUT_USER_PHONE
TUT_MAIN_FORM.TUT_WANTS_SPAM
TUT_MAIN_FORM.TUT_USER_EMAIL

Attributes - TUT_MAIN_FORM.<ALIAS>

Name	Value
Additional Options	(list)
Description	Main Form
Window Title	Main Form
Dtl Grid Table	TUT_RENT_FORM
Dtl Window Tables	(undefined)
Del Cascade Tables	(undefined)
Del Depend Tables	(undefined)
Key Name	(none)
Parent Alias	
Primary Table	
Form Type	Maintenance Form
Background Image	
Help Tag ID	
Inquiry Options	(undefined)
Inquiry Restrict?	(undefined)
Note Table	
Optional Defs	(undefined)
Call Program	
Run Program	
Tab Definitions	(undefined)

Form

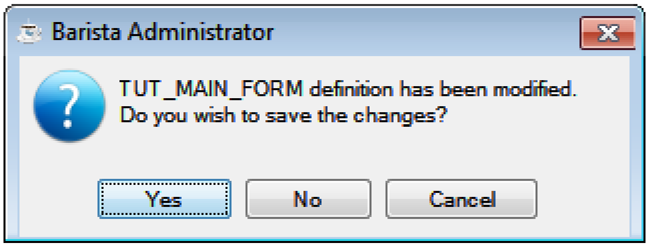
User ID:
User Name:
Phone:
[X] Wants Spam
Email:

Rental User ID	Item Number

It's getting there, but we don't want to show the User ID for every line of the grid, and it would be nice to see the item description along with the item number.

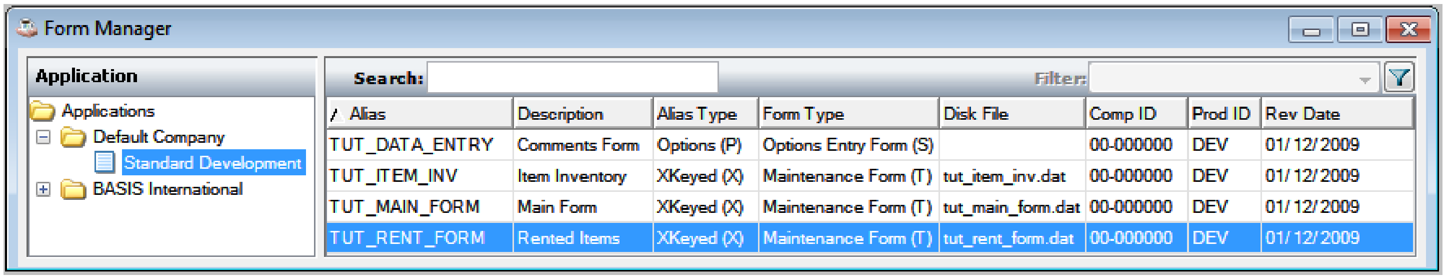
Fixing up the Detail Grid

Close TUT_MAIN_FORM, saving your changes:



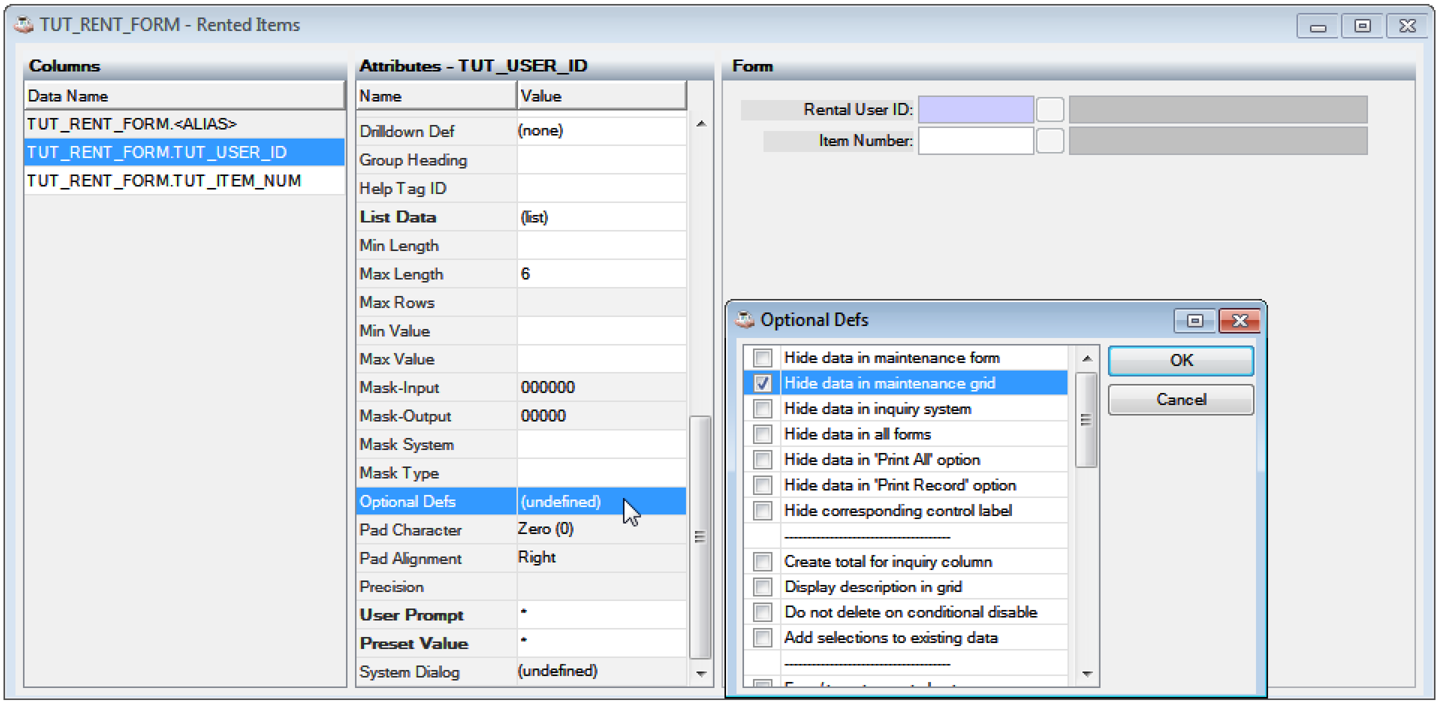
TUT_MAIN_FORM definition has been modified.
Do you wish to save the changes?

Double-click on TUT_RENT_FORM to open it in the Form Designer:



Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Items	XKeyed (X)	Maintenance Form (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

Select TUT_USER_ID, double-click next to "Optional Defs", check "Hide data in maintenance grid", and click [OK] to save that change.



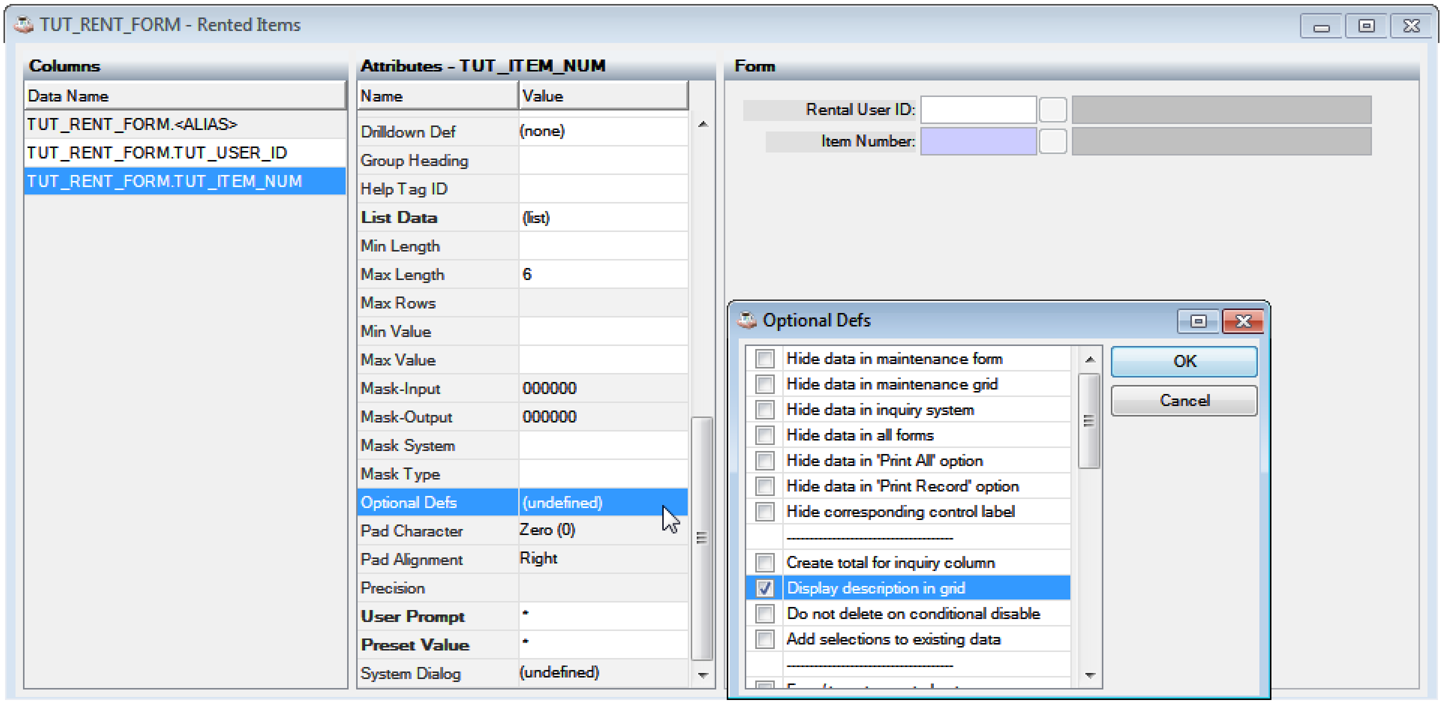
Name	Value
Drilldown Def	(none)
Group Heading	
Help Tag ID	
List Data	(list)
Min Length	
Max Length	6
Max Rows	
Min Value	
Max Value	
Mask-Input	000000
Mask-Output	00000
Mask System	
Mask Type	
Optional Defs	(undefined)
Pad Character	Zero (0)
Pad Alignment	Right
Precision	
User Prompt	*
Preset Value	*
System Dialog	(undefined)

Rental User ID:

Item Number:

- □ Hide data in maintenance form
- ☑ Hide data in maintenance grid
- □ Hide data in inquiry system
- □ Hide data in all forms
- □ Hide data in 'Print All' option
- □ Hide data in 'Print Record' option
- □ Hide corresponding control label
- □ Create total for inquiry column
- □ Display description in grid
- □ Do not delete on conditional disable
- □ Add selections to existing data

Select TUT_ITEM_NUM, double-click next to "Optional Defs", check "Display description in grid", and click [OK] to save that change.



Data Name
TUT_RENT_FORM.<ALIAS>
TUT_RENT_FORM.TUT_USER_ID
TUT_RENT_FORM.TUT_ITEM_NUM

Name	Value
Drilldown Def	(none)
Group Heading	
Help Tag ID	
List Data	(list)
Min Length	
Max Length	6
Max Rows	
Min Value	
Max Value	
Mask-Input	000000
Mask-Output	000000
Mask System	
Mask Type	
Optional Defs	(undefined)
Pad Character	Zero (0)
Pad Alignment	Right
Precision	
User Prompt	*
Preset Value	*
System Dialog	(undefined)

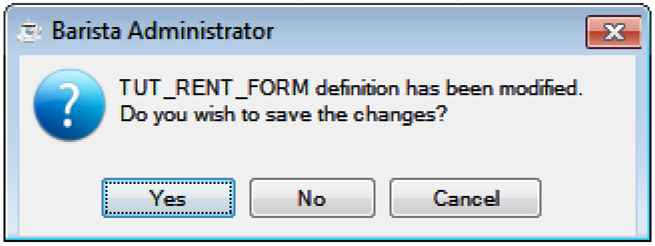
Rental User ID:

Item Number:

☐ Hide data in maintenance form
☐ Hide data in maintenance grid
☐ Hide data in inquiry system
☐ Hide data in all forms
☐ Hide data in 'Print All' option
☐ Hide data in 'Print Record' option
☐ Hide corresponding control label

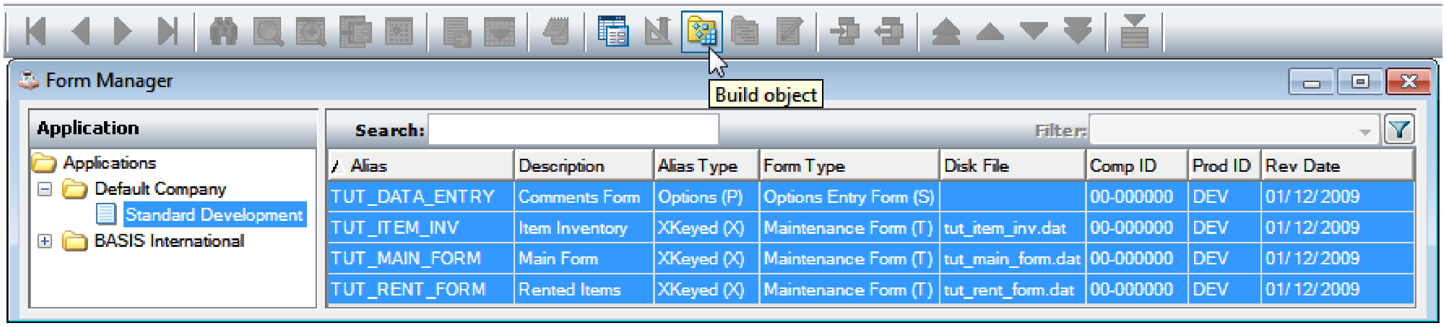
☐ Create total for inquiry column
☑ Display description in grid
☐ Do not delete on conditional disable
☐ Add selections to existing data

Close the Form Designer, saving those changes.



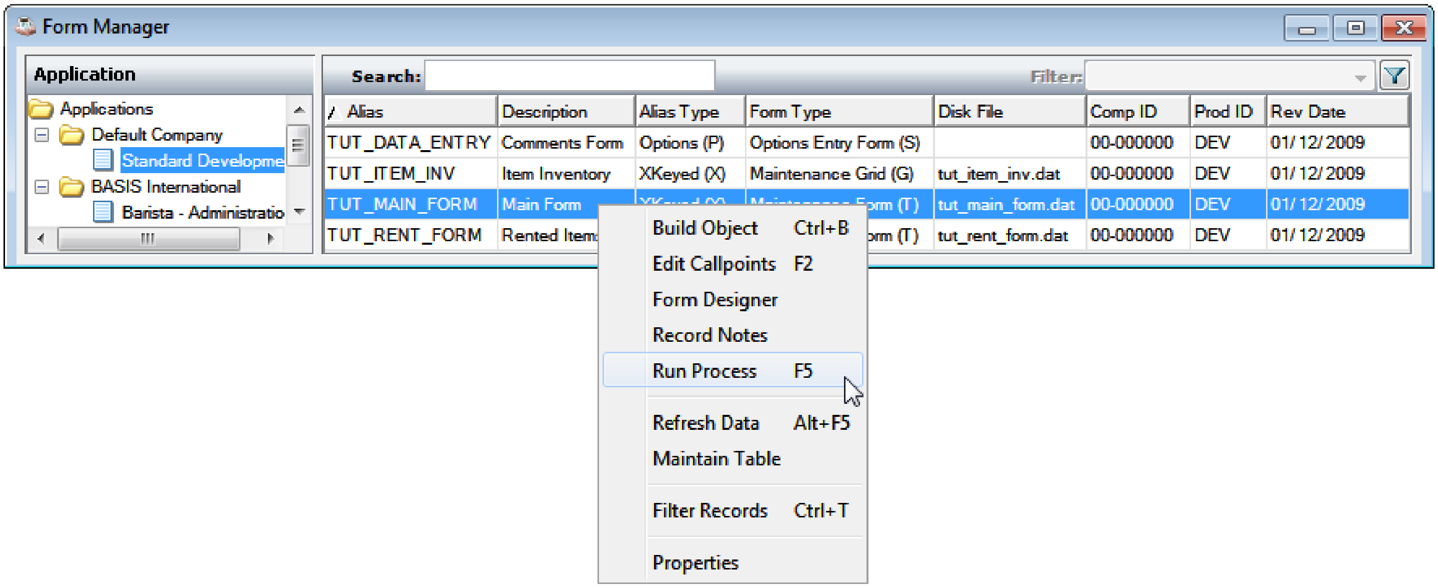
TUT_RENT_FORM definition has been modified.
Do you wish to save the changes?

Back in the Form Manager, select all of your forms and click or press [Ctrl]+B to build them.



Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Form (T)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Items	XKeyed (X)	Maintenance Form (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

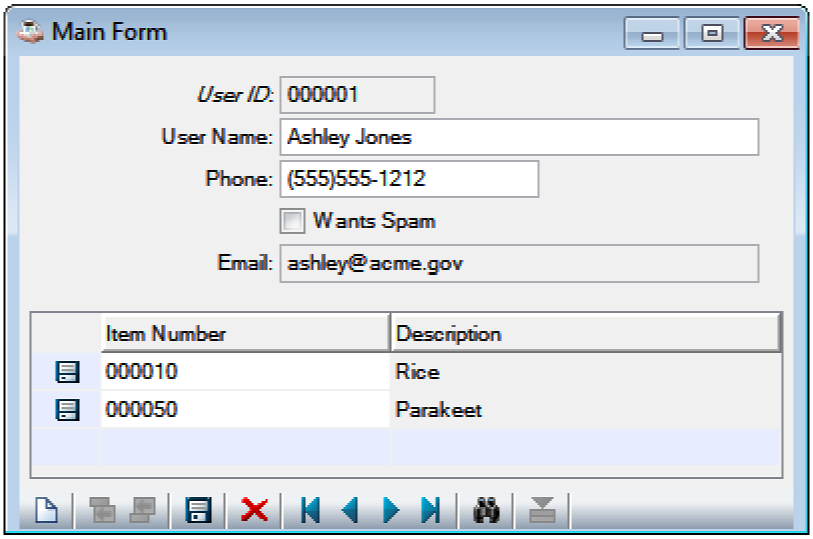
Now select the **TUT_MAIN_FORM** in the Form Manager, and run it by clicking , pressing F5, or right-clicking on it and selecting "Run Process":



Alias	Description	Alias Type	Form Type	Disk File	Comp ID	Prod ID	Rev Date
TUT_DATA_ENTRY	Comments Form	Options (P)	Options Entry Form (S)		00-000000	DEV	01/12/2009
TUT_ITEM_INV	Item Inventory	XKeyed (X)	Maintenance Grid (G)	tut_item_inv.dat	00-000000	DEV	01/12/2009
TUT_MAIN_FORM	Main Form	XKeyed (X)	Maintenance Form (T)	tut_main_form.dat	00-000000	DEV	01/12/2009
TUT_RENT_FORM	Rented Item:		orm (T)	tut_rent_form.dat	00-000000	DEV	01/12/2009

First, resize the form to make the grid visible.

Now we can add rented items user records:



User ID: 000001

User Name: Ashley Jones

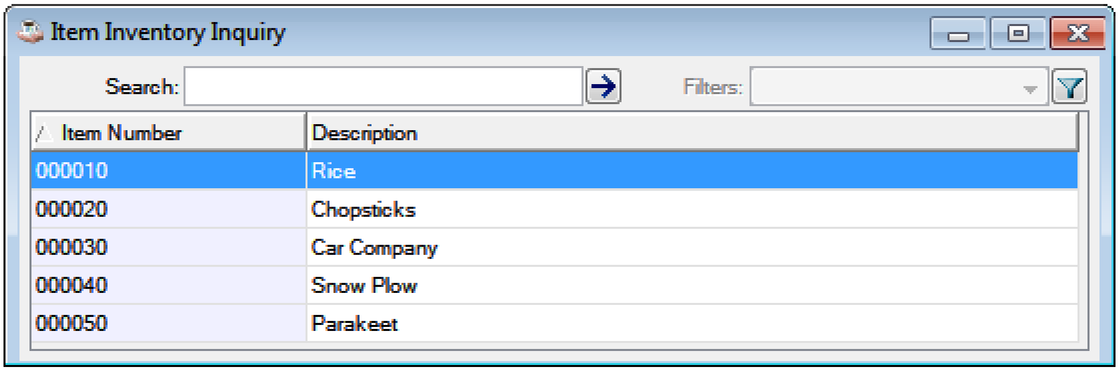
Phone: (555)555-1212

□ Wants Spam

Email: ashley@acme.gov

Item Number	Description
000010	Rice
000050	Parakeet

You can lookup item numbers while in the Item Number column by clicking 🔍 or pressing [Ctrl]+F:



Item Number	Description
000010	Rice
000020	Chopsticks
000030	Car Company
000040	Snow Plow
000050	Parakeet

Want more? Try Barista Tutorial 3: Define Callpoints for help adding your own custom code, or the Administration Tutorial, which shows how to deal with projects, add menu items, users, internationalization.