



Guidewire training materials contain Guidewire proprietary information that is subject to confidentiality and non-disclosure agreements. You agree to use the information in this manual solely for the purpose of training to implement Guidewire software solutions. You also agree not to disclose the information in this manual to third parties or copy this manual without prior written consent from Guidewire. Guidewire training may be given only by Guidewire employees or certified Guidewire partners under the appropriate agreement with Guidewire.

## Lesson objectives

- By the end of this lesson, you should be able to:
  - Create dependent dropdowns

This lesson uses the notes section for additional explanation and information.  
To view the notes in PowerPoint, choose View→Normal or View→Notes Page.  
If you choose to print the notes for the lesson, be sure to select "Print hidden slides."

© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

2

G U I D E W I R E



## Lesson outline

- Dependent dropdowns

## Review: Typecode category

The screenshot displays two windows from the Guidewire software. The top window, titled 'DoctorSpecialtyType.tti', shows a 'categorylist' with columns: Element, Code, Name, Priority, Name, and Value. The bottom window, titled 'DoctorCategoryType.tti', shows a 'Category/Typecode' list with columns: Category/Typecode and Typelist. A red box in the top window highlights the 'code' and 'typelist' columns, and another red box in the bottom window highlights the 'CriticalCareMedicine' category. A red arrow points from the 'code' column in the top window to the 'CriticalCareMedicine' category in the bottom window.

- **Category**
  - Associate one or more typecodes on a parent typelist with one or more typecodes on a child typelist
  - Incoming Categories tab in parent typelist shows child typecodes

© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

4

GUIDEWIRE

A typecode filter uses categories and category lists at the typecode level to restrict or filter a typelist.

## Dependent dropdowns

- Typecode categories "group" typecodes into categories
- Categories are displayed as "parent" field to a dropdown
  - Value of category constrains which typecodes may be chosen

**Medical Specialty**

Category: General Care

Specialty:

**Lawsuits**

No case report requested

Date:  Plaintiff:  Type:

Internal Medicine  
Neurology  
Orthopaedics  
Podiatry  
Unspecified

**Medical Specialty**

Category: Immediate Care

Specialty:

**Lawsuits**

No case report requested

Date:  Plaintiff:

Critical Care Medicine  
Dentistry/Oral Surgery  
Emergency Medicine  
Hospitalist  
Unspecified

**Medical Specialty**

Category: Long-Term Care

Specialty:

**Lawsuits**

No case report requested

Date:  Plaintiff:

Critical Care Medicine  
Pain Management  
Physical Rehabilitation  
Unspecified

**Medical Specialty**

Category: Surgery

Specialty:

**Lawsuits**

No case report requested

Date:  Plaintiff:

Dentistry/Oral Surgery  
Foot Surgery  
General Surgery  
Hand Surgery

© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

5

GUIDEWIRE

## UI requirements for dependent dropdowns

- To work correctly:
  - The category dropdown and the child dropdown must be declared in the same PCF file
  - The typecode dropdown must come after the category dropdown
    - It does not need to be immediately after the parent
    - It does not need to be in the same input column

Medical Specialty

Category: General Care

Specialty: <none selected>, Internal Medicine, Neurology, Orthopaedics, Podiatry, Unspecified

Lawsuits

No case report requested

Request Case Report

Date, Plaintiff, Type

The parent and child dropdowns must be on the same screen or location. Because the built-in reflection is not dynamic, the two must be rendered at the same time.

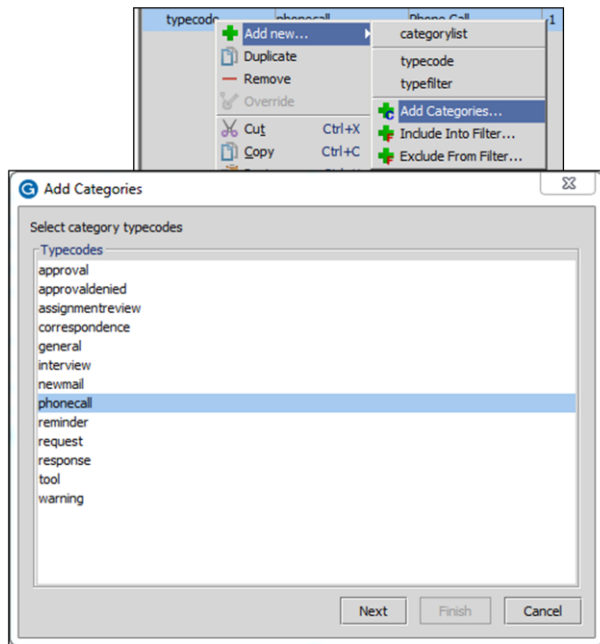


## Steps to implement dependent dropdowns

1. Select a typecode
2. Select category(s)
3. Add to an entity
4. Add to UI

# 1. Select a typecode

- Select a typecode to associate with a category and right-click it
- Select **Add new...** → **Add Categories...**
- The "Add Categories" dialog lists the typecodes in the child typelist
  - The one you right-clicked is preselected
  - Click "Next"



© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

8

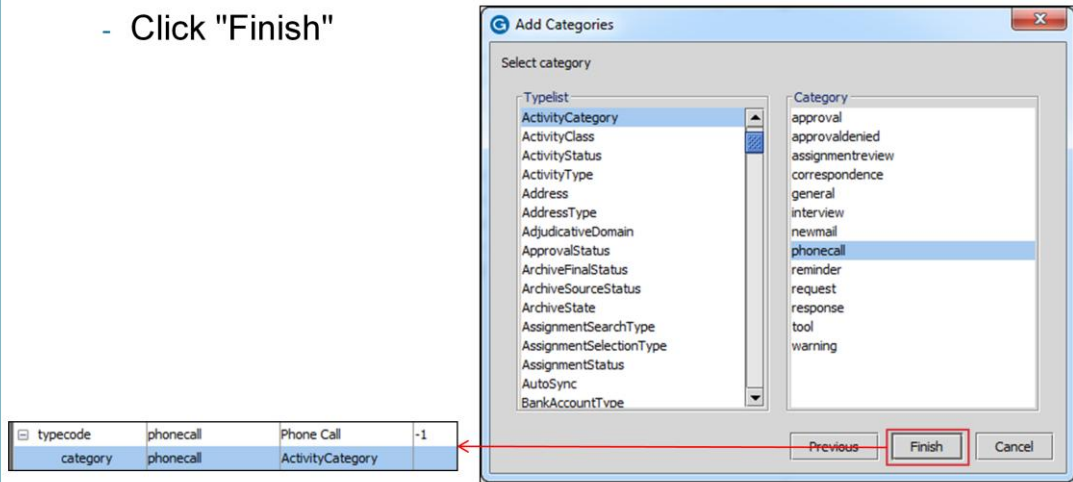
G U I D E W I R E

More than one child typecode can be selected (using shift-click or control-click).



## 2. Select category(s)

- The second "Add Categories" dialog lists the typecodes in the parent typelist
  - In the left-hand pane, select the parent typelist
  - In the right-hand pane, select the category
  - Click "Finish"



© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

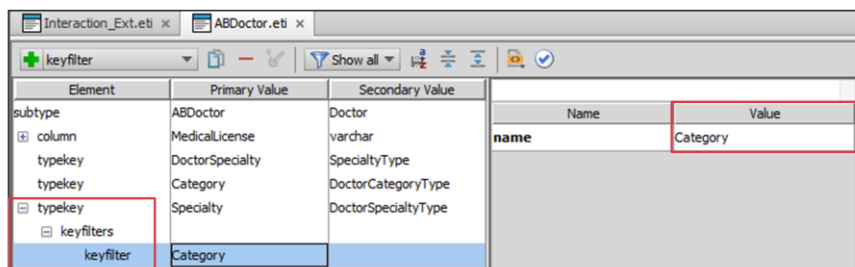
9

G U I D E W I R E

Only one parent value/category can be selected.

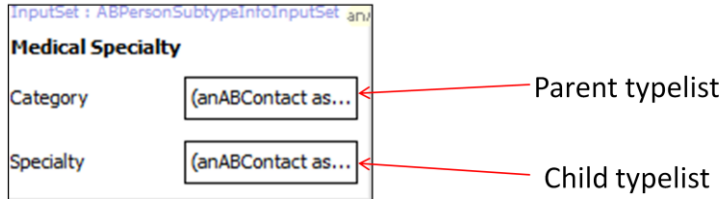
### 3. Add to an entity

- Add both parent and child typelists to the entity
- On the child typelist, right-click and select **Add new... → keyfilter**
  - This creates a node called "keyfilters"
- Right-click "keyfilters" and select **Add new → keyfilter**
- In the Name property, select the name of the parent typelist



## 4. Add to UI

- The parent and child typelists must appear on the same screen or location
- The child typelist must appear after the parent typelist



## Review: Deploying data model extensions

1. Optionally regenerate Data Dictionary and check for validation errors
  - `gwXX regen-dictionary`
2. Restart the application server
  - `gwXX dev-stop`, and then
  - `gwXX dev-start`

## The deployed dependent dropdown

The image displays two screenshots of a web form titled "Medical Specialty".

**Left Screenshot:**

- Category:** General Care (highlighted with a red box)
- Specialty:** <none selected> (highlighted with a blue box)
- Lawsuits:** No case report requested (with a "Request Case Report" button)
- Table:** A table with columns "Date" and "Plaintiff".
- Dropdown Menu:** A list of specialties is shown: <none selected> (highlighted in blue), Internal Medicine, Neurology, Orthopaedics, Pediatric Cardiology, Podiatry, and Unspecified.

**Right Screenshot:**

- Category:** Immediate Care (highlighted with a red box)
- Specialty:** <none selected> (highlighted with a blue box)
- Lawsuits:** No case report requested (with a "Request Case Report" button)
- Table:** A table with columns "Date" and "Plaintiff".
- Dropdown Menu:** A list of specialties is shown: <none selected> (highlighted in blue), Critical Care Medicine, Dentistry/Oral Surgery, Emergency Medicine, Hospitalist, Pediatric Cardiology, and Unspecified.

## Incoming and Outgoing categories

The **outgoing categories** tab on the child typelist shows the categories associated with that typelist, and which typecodes belong to them

Category/Typecode	Typelist
Categories	<this typelist>
<input type="checkbox"/> approval	ActivityType
approval	<this typelist>
<input type="checkbox"/> approvaldenied	ActivityType
approvaldenied	<this typelist>
<input type="checkbox"/> assignmentreview	ActivityType
assignmentreview	<this typelist>
<input checked="" type="checkbox"/> general	ActivityType
correspondence	<this typelist>
general	<this typelist>
interview	<this typelist>
newmail	<this typelist>
reminder	<this typelist>
request	<this typelist>
response	<this typelist>
tool	<this typelist>
warning	<this typelist>
Typelist	Incoming Categories
Outgoing Categories	Xml

© Guidewire Software, Inc. All rights reserved. Do not distribute without permission.

The **incoming categories** tab on the parent typelist shows the categories derived from that typelist, and which typecodes belong to them

Category/Typecode	Typelist
Categories	<this typelist>
<input type="checkbox"/> approval	<this typelist>
approval	ActivityCategory
<input type="checkbox"/> approvaldenied	<this typelist>
approvaldenied	ActivityCategory
<input type="checkbox"/> assignmentreview	<this typelist>
assignmentreview	ActivityCategory
<input checked="" type="checkbox"/> general	<this typelist>
correspondence	ActivityCategory
general	ActivityCategory
interview	ActivityCategory
newmail	ActivityCategory
reminder	ActivityCategory
request	ActivityCategory
response	ActivityCategory
tool	ActivityCategory
warning	ActivityCategory
Typelist	Incoming Categories
Outgoing Categories	Xml

G U I D E W I R E



## Lesson objectives review

You should now be able to:

- Create dependent dropdowns

## Notices

Copyright © 2001-2013 Guidewire Software, Inc. All rights reserved. Guidewire, Guidewire Software, Guidewire ClaimCenter, Guidewire PolicyCenter, Guidewire BillingCenter, Guidewire Reinsurance Management, Guidewire ContactManager, Guidewire Vendor Data Management, Guidewire Client Data Management, Guidewire Rating Management, Guidewire InsuranceSuite, Guidewire ContactCenter, Guidewire Studio, Guidewire Product Designer, Guidewire Live, Guidewire DataHub, Guidewire InfoCenter, Guidewire Standard Reporting, Guidewire ExampleCenter, Gosu, Deliver Insurance Your Way, and the Guidewire logo are trademarks, service marks, or registered trademarks of Guidewire Software, Inc. in the United States and/or other countries.

Guidewire products are protected by one or more United States patents.