

2011



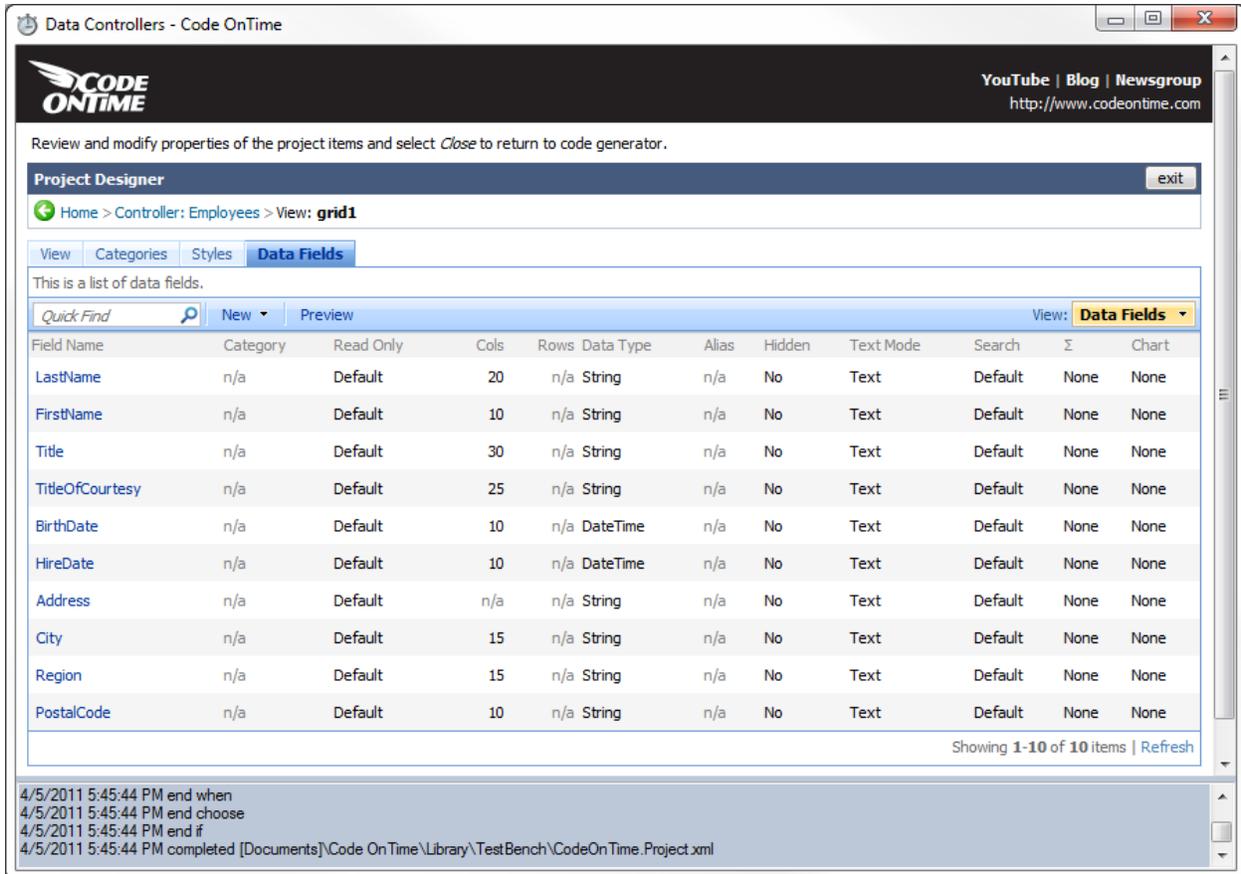
## **USER GUIDE**

Search Mode Property

## Search Mode Property

The *Search Mode* property is available for data fields on the grid view. This property allows you to determine the behavior of the field in the search bar. To explain the use of the property, we will use the *grid1* view of the *Employees* data controller in the *Northwind* sample database.

Open *Code On Time Generator*, select the name of the project you wish to edit, and press *Design*. From the list of *All Controllers*, select *Employees*. Switch to the *Views* tab, and select *grid1*. Now switch to *Data Fields* tab. In grid view, the property is listed under *Search*.



Review and modify properties of the project items and select *Close* to return to code generator.

Project Designer exit

Home > Controller: Employees > View: grid1

View Categories Styles **Data Fields**

This is a list of data fields.

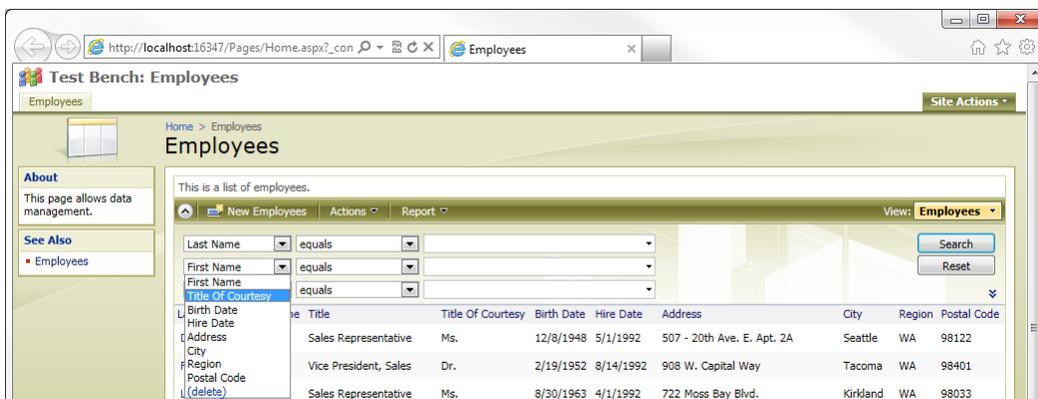
Field Name	Category	Read Only	Cols	Rows	Data Type	Alias	Hidden	Text Mode	Search	Σ	Chart
LastName	n/a	Default	20	n/a	String	n/a	No	Text	Default	None	None
FirstName	n/a	Default	10	n/a	String	n/a	No	Text	Default	None	None
Title	n/a	Default	30	n/a	String	n/a	No	Text	Default	None	None
TitleOfCourtesy	n/a	Default	25	n/a	String	n/a	No	Text	Default	None	None
BirthDate	n/a	Default	10	n/a	DateTime	n/a	No	Text	Default	None	None
HireDate	n/a	Default	10	n/a	DateTime	n/a	No	Text	Default	None	None
Address	n/a	Default	n/a	n/a	String	n/a	No	Text	Default	None	None
City	n/a	Default	15	n/a	String	n/a	No	Text	Default	None	None
Region	n/a	Default	15	n/a	String	n/a	No	Text	Default	None	None
PostalCode	n/a	Default	10	n/a	String	n/a	No	Text	Default	None	None

Showing 1-10 of 10 items | Refresh

4/5/2011 5:45:44 PM end when  
4/5/2011 5:45:44 PM end choose  
4/5/2011 5:45:44 PM end if  
4/5/2011 5:45:44 PM completed [Documents]\Code On Time\Library\Test Bench\CodeOnTime.Project.xml

## Default

With the “Default” option, the first 10 fields are displayed in grid view. Any other fields will be hidden and unsearchable. All data fields are automatically *Default*.



Test Bench: Employees

Employees

Home > Employees

Employees

This is a list of employees.

New Employees Actions Report

View: Employees

Last Name	First Name	Title	Title Of Courtesy	Birth Date	Hire Date	Address	City	Region	Postal Code
Sales Representative	Ms.	12/8/1948	5/1/1992	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122		
Vice President, Sales	Dr.	2/19/1952	8/14/1992	908 W. Capital Way	Tacoma	WA	98401		
Sales Representative	Ms.	8/30/1963	4/1/1992	722 Moss Bay Blvd.	Kirkland	WA	98033		

## Required

The “Required” option will display the field regardless of whether it’s hidden in the view. When performing a search, this field cannot be left blank.

For example, let’s change the *Country* data field to “Required”. To do this, we need to create a new data field by pressing *New | New Data Field* on the action bar. In *Field Name*, select “Country”.

The screenshot shows the 'New Data Field' configuration form. The 'Field Name' is set to 'Country'. The 'Category' is '(select)' and the 'Alias' is '(select)'. The form includes instructions: 'Complete the form. Make sure to enter all required fields.'

Check the checkbox next to “The field is hidden”. For *Search Mode*, select “Required”.

The screenshot shows the 'Miscellaneous' configuration form. The 'Data Format String' is empty. The 'Format On Client' is set to 'N/A'. The 'Hyperlink Format String' is empty. The 'Auto Complete Minimum Prefix Length' is empty. The checkbox 'The field is hidden' is checked. The 'Search Mode' is set to 'Required'. The form includes instructions: 'Specify miscellaneous presentation properties of the data field. A data format string is applied to the field value on the client via JavaScript *String.format* function. You can enable a server-side formatting via .NET *System.String.Format* function if *Format On Client* is set to *No*. Hyperlink format string is an absolute or relative (starting with ~) URL that may include field names enclosed in curly brackets. You can place *\_blank* or any other *standard window name* followed by *colon* symbol in front of the URL. Set auto complete minimum prefix length to 1 or a greater value to enable auto-completion on this field. Hidden fields are not displayed in user interface and travel from the server to the client and back. Use hidden fields for client-side and server-side calculations. Read more about aggregates [here](#).

Save the data field, and press *Preview* on the action bar. When the webpage appears, activate the search bar. You will see that *Country* is the only shown parameter. You can still add parameters, but you cannot delete *Country*. If you search with the *Country* parameter empty, a popup will appear stating that it is required.

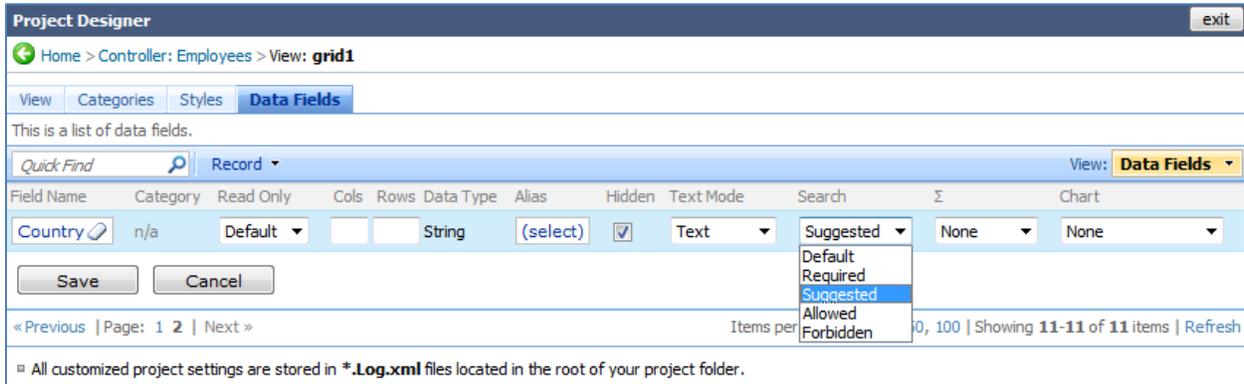
The screenshot shows the 'Employees' webpage. The search bar has 'Country' selected as the parameter. A message box is displayed over the table, stating 'This field is required.' The table lists employees with columns: Last Name, First Name, Title, Address, City, Region, and Postal Code.

Last Name	First Name	Title	Address	City	Region	Postal Code
Davolio	Nancy	Sales Representative	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122
Fuller	Andrew	Vice President, Sales	908 W. Capital Way	Tacoma	WA	98401
Leverling	Janet	Sales Representative	722 Moss Bay Blvd.	Kirkland	WA	98033
Peacock	Margaret	Sales Representative	4110 Old Redmond Rd.	Redmond	WA	98052
Buchanan	Steven	Sales Manager	14 Garrett Hill	London	n/a	SW1 8JR
Suyama	Michael	Sales Representative	Coventry House Miner Rd.	London	n/a	EC2 7JR
King	Robert	Sales Representative	Edgeham Hollow Winchester Way	London	n/a	RG1 9SP
Callahan	Laura	Inside Sales Coordinator	4726 - 11th Ave. N.E.	Seattle	WA	98105
Dodsworth	Anne	Sales Representative	7 Houndstooth Rd.	London	n/a	WG2 7LT

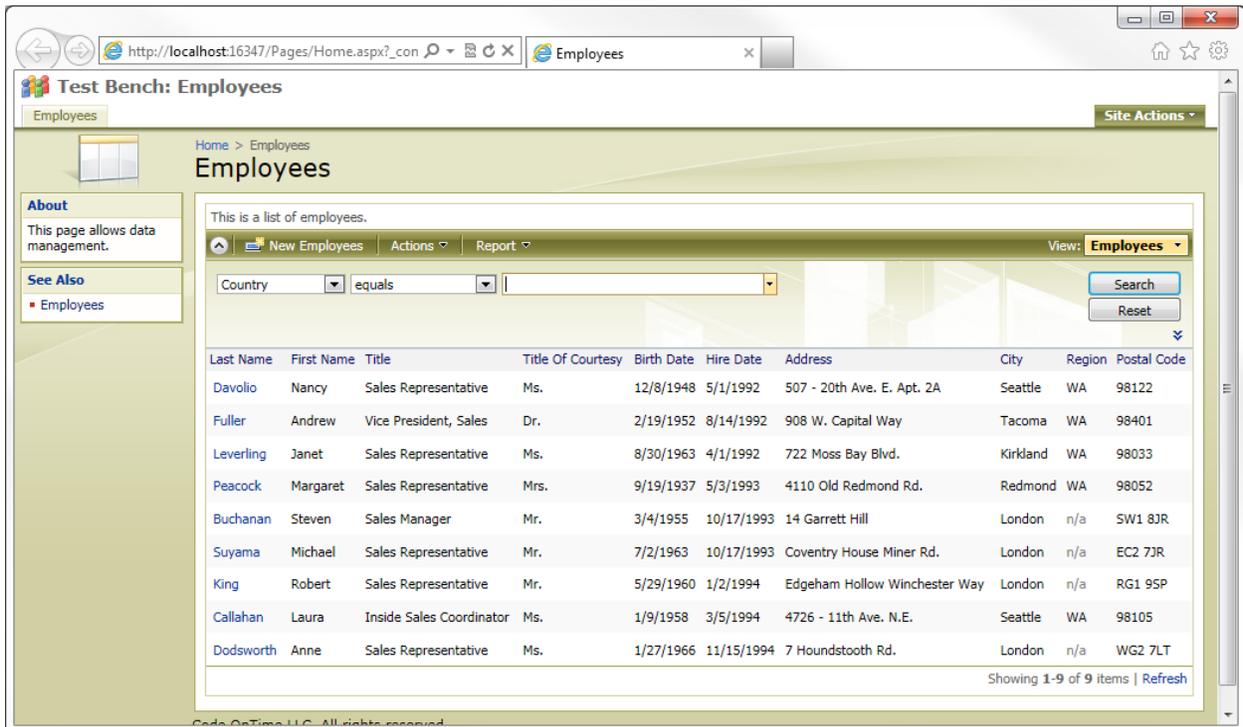
## Suggested

Any data field listed as “Suggested” will appear in the search bar list, but is not required to perform a search.

For example, let’s use the *Country* data field. Change the *Search Mode* option to “Suggested”, and save the field.



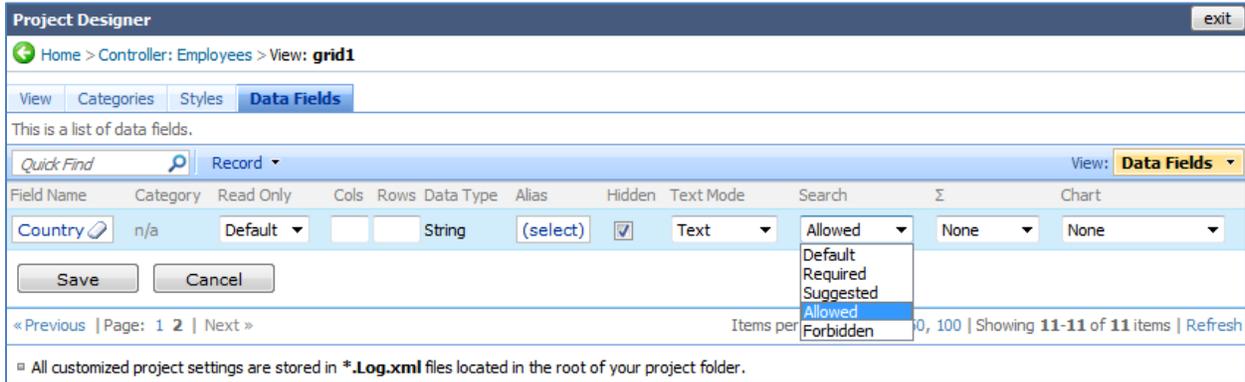
Now, when you open the search bar, the *Country* parameter will be the first in the list. However, this parameter can be deleted and other fields can be searched.



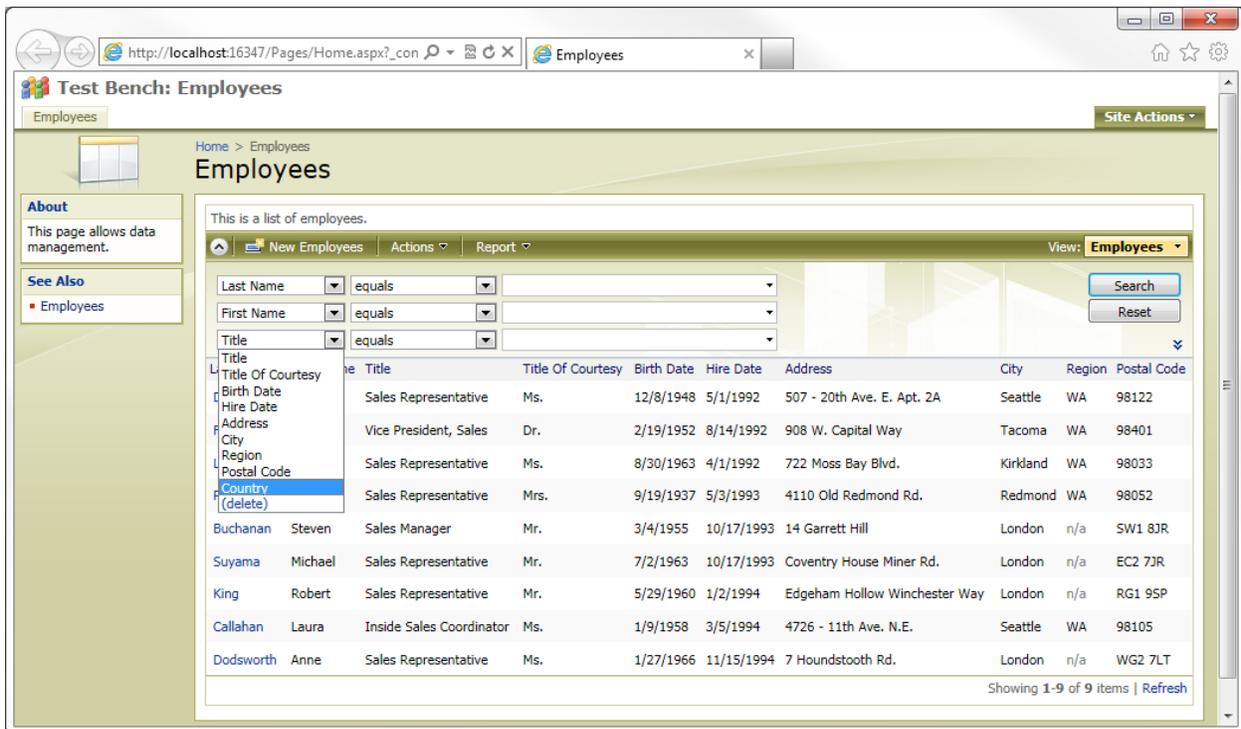
## Allowed

The “Allowed” condition allows the data field to be searchable in the search bar. This is useful if you have a hidden field that you want to be searchable.

Change the *Search Mode* of the *Country* data field to “Allowed”.



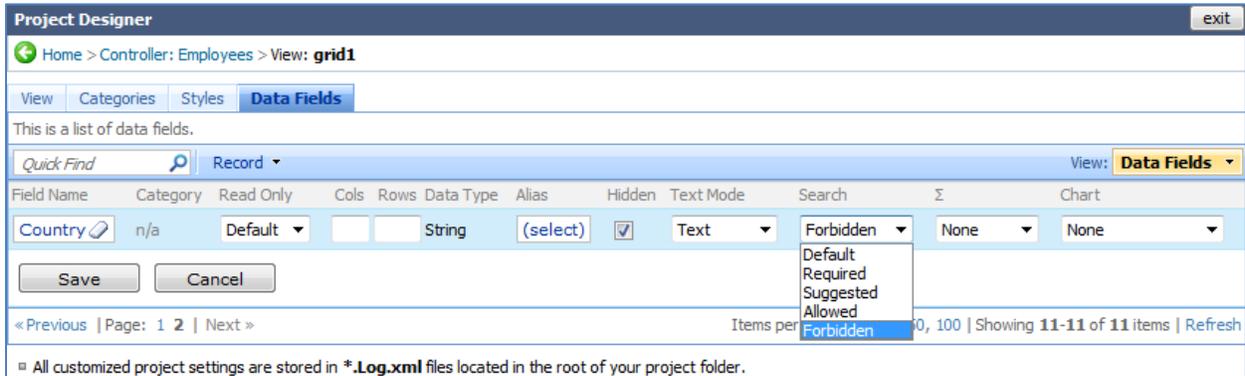
Save, and press the *Preview* button on the action bar. When you open the search bar, you will not see *Country* present in the default search parameters, but it will be present in the list of searchable fields.



## Forbidden

The “Forbidden” condition will prevent the field from being displayed in the list of searchable fields.

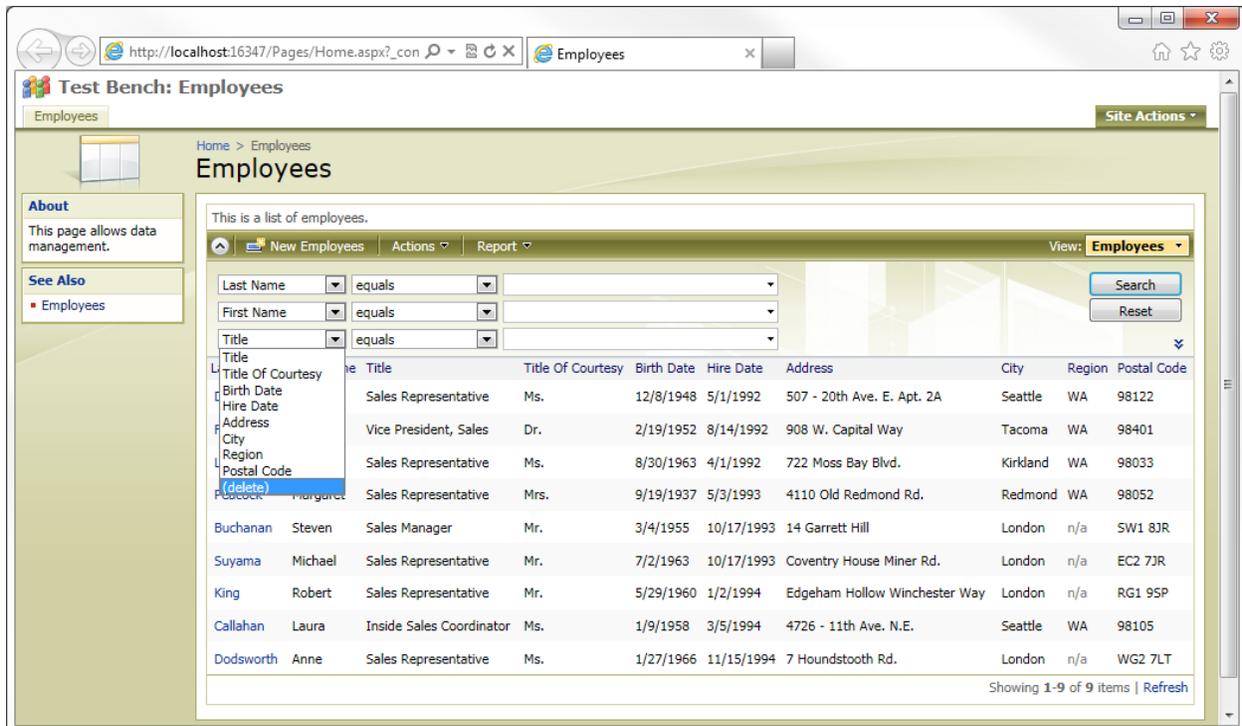
Change the *Country* data field to “Forbidden”, and save the record.



The screenshot shows the 'Project Designer' interface. The breadcrumb path is 'Home > Controller: Employees > View: grid1'. The 'Data Fields' tab is active. A table lists data fields with columns: Field Name, Category, Read Only, Cols, Rows, Data Type, Alias, Hidden, Text Mode, Search, Σ, and Chart. The 'Country' field is selected, and its 'Search' dropdown is open, showing options: Default, Required, Suggested, Allowed, and Forbidden. The 'Forbidden' option is highlighted. Below the table are 'Save' and 'Cancel' buttons. At the bottom, a status bar indicates 'Items per page: 10, 100 | Showing 11-11 of 11 items | Refresh'.

Field Name	Category	Read Only	Cols	Rows	Data Type	Alias	Hidden	Text Mode	Search	Σ	Chart
Country	n/a	Default			String	(select)	<input checked="" type="checkbox"/>	Text	Forbidden	None	None

Press the *Preview* button on the action bar. When you open the search bar, the *Country* field will not be listed.



The screenshot shows the 'Test Bench: Employees' application. The breadcrumb path is 'Home > Employees'. The 'Employees' view is active. A search bar is visible with dropdowns for 'Last Name', 'First Name', and 'Title', each with an 'equals' operator. The search bar is open, and the 'Country' field is not listed in the search results. Below the search bar is a table of employees with columns: Title, Title Of Courtesy, Birth Date, Hire Date, Address, City, Region, and Postal Code. The table contains 9 rows of employee data. At the bottom, a status bar indicates 'Showing 1-9 of 9 items | Refresh'.

Title	Title Of Courtesy	Birth Date	Hire Date	Address	City	Region	Postal Code
Sales Representative	Ms.	12/8/1948	5/1/1992	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122
Vice President, Sales	Dr.	2/19/1952	8/14/1992	908 W. Capital Way	Tacoma	WA	98401
Sales Representative	Ms.	8/30/1963	4/1/1992	722 Moss Bay Blvd.	Kirkland	WA	98033
Sales Representative	Mrs.	9/19/1937	5/3/1993	4110 Old Redmond Rd.	Redmond	WA	98052
Sales Manager	Mr.	3/4/1955	10/17/1993	14 Garrett Hill	London	n/a	SW1 8JR
Sales Representative	Mr.	7/2/1963	10/17/1993	Coventry House Miner Rd.	London	n/a	EC2 7JR
Sales Representative	Mr.	5/29/1960	1/2/1994	Edgeham Hollow Winchester Way	London	n/a	RG1 9SP
Inside Sales Coordinator	Ms.	1/9/1958	3/5/1994	4726 - 11th Ave. N.E.	Seattle	WA	98105
Sales Representative	Ms.	1/27/1966	11/15/1994	7 Houndstooth Rd.	London	n/a	WG2 7LT