Part 68 - Optional parameters in sql server stored procedures

Venkat
PRAGIM Technologies
kudvenkat@gmail.com
http://csharp-video-tutorials.blogspot.com

1

In this session we will learn

- Optional parameters in sql server stored procedures

SQL Server Video Series

Part 65 - List all tables in a sql server database using a query

Part 66 - Writing re-runnable sql server scripts

Part 67 - Alter database table columns without dropping table

Link to Dot Net Basics, ASP.NET, C#, ADO.NET and SQL Server video series

http://www.youtube.com/user/kudvenkat/videos?view=1
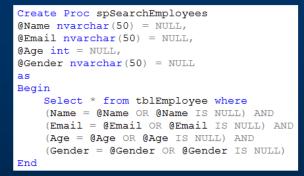
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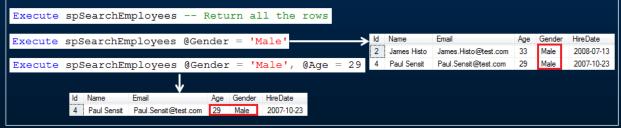http://csharp-video-tutorials.blogspot.com

2

Optional Stored Procedures Parameters

Parameters of a SQL Server stored procedure can be made optional by specifying default values.

Name, Email, Age and Gender parameters of spSearchEmployees stored procedure are optional. We have set defaults for all the parameters, and in the "WHERE" clause we are checking if the respective parameter IS NULL.

```
Create Proc spSearchEmployees
@Name nvarchar(50) = NULL,
@Email nvarchar(50) = NULL,
@Age int = NULL,
@Gender nvarchar(50) = NULL
as
Begin
    Select * from tblEmployee where
    (Name = @Name OR @Name IS NULL) AND
    (Email = @Email OR @Email IS NULL) AND
    (Age = @Age OR @Age IS NULL) AND
    (Gender = @Gender OR @Gender IS NULL)
End
```

Testing the stored procedure

```
Execute spSearchEmployees -- Return all the rows
```

```
Execute spSearchEmployees @Gender = 'Male'
```

Id	Name	Email	Age	Gender	HireDate
2	James Histo	James.Histo@test.com	33	Male	2008-07-13
4	Paul Sensit	Paul.Sensit@test.com	29	Male	2007-10-23

```
Execute spSearchEmployees @Gender = 'Male', @Age = 29
```

Id	Name	Email	Age	Gender	HireDate
4	Paul Sensit	Paul.Sensit@test.com	29	Male	2007-10-23

3

Optional Stored Procedures Parameters

spSearchEmployees can be used by a search page that looks as shown below

Search Employees

Name		Email	
Age		Gender	Any Gender ▾

Search

Id	Name	Email	Age	Gender	HireDate
1	Sara Nan	Sara.Nan@test.com	35	Female	04/04/1999 00:00:00
2	James Histo	James.Histo@test.com	33	Male	13/07/2008 00:00:00
3	Mary Jane	Mary.Jane@test.com	28	Female	11/11/2005 00:00:00
4	Paul Sensit	Paul.Sensit@test.com	29	Male	23/10/2007 00:00:00

Additional Resources

- ## PRAGIM Home Page:
  - www.PragimTech.com

- ## Resources:
  - ASP.NET Interview Questions
  - www.VenkatASPInterview.Blogspot.com
  - C# Interview Questions
  - www.VenkatCSharpInterview.Blogspot.com
  - SQL Server Interview Questions
  - www.venkatsqlinterview.Blogspot.com

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