

Re: Is this correct OO design?

Re: Is this correct OO design?

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.general/2005-04/msg01189.html>

- *From:* "Nick Malik [Microsoft]" <nickmalik@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 15 Apr 2005 07:29:24 -0700
-

This is NOT bad design. It is not particularly efficient, but there is no magical OO principle that is violated.

In fact, optimistic concurrency mechanisms often do something similar (usually in the DB layer) by reading the matching db record first, before updating the row, to check if the db value is different from an expected value, either in all of the columns, or in a timestamp column.

Is that what you are trying to build logic for? A condition where two people have opened a record, and modified it, and one has saved their changes (to the title in your example)? If so, you may want to take a close look at the timestamp data type in SQL Server, and Optimistic Concurrency with Row Versioning.

This link may help.

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/cpguide/html/cpconOptimisticConcurrency.asp>

--

--- Nick Malik [Microsoft]
MCSD, CFPS, Certified Scrummaster
<http://blogs.msdn.com/nickmalik>

Disclaimer: Opinions expressed in this forum are my own, and not representative of my employer.

I do not answer questions on behalf of my employer. I'm just a programmer helping programmers.

--

<cmo63126@xxxxxxxxxx> wrote in message
news:1113572388.347120.149310@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

> I'm not sure if this is bad design or not. It seems flawed, but I'm not
> sure. Is it wrong to create an instance of a class within the class
> itself? Any feedback appreciated.

>

```
> public class Article
> {
> int articleID;
> string title;
```

Re: Is this correct OO design?

Re: Is this correct OO design?

```
>
> //Constructor: Load Data from DataAccess Class
> public Article(int articleID)
> {
> this.articleID = articleID;
>
> //Set properties of Article Object with values from Database
> DataAccess.GetArticleData(this, articleID);
> }
>
> public void Update()
> {
> /*
> IS IT BAD OO DESIGN TO CREATE AN INSTANCE OF A CLASS
> (OriginalArticle) WITHIN THE CLASS ITSELF(Article)?
> */
>
> Article OriginalArticle = new Article(this.articleID);
>
> //check to see if the new and original values match
> if(this.title != OriginalArticle.Title)
> {
> Response.Write("<br>Title doesn't match current Title in
> Database...Perform Important Operation Here.");
> }
> else
> {
> Response.Write("<br>Title hasn't changed.");
> }
> }
>
> public string Title
> {
> get{return title;}
> set{title = value;}
> }
> }
>
> public class DataAccess
> {
> public static void GetArticleData(Article article, int ArticleID)
> {
> //load database data, populate Article object from parameter
> article.Title = "Original Title from Database";
> //article.Field1 = ...
> //article.Field2 = ...
> //etc...
> }
> }
>
> public class _Default : Page
```

Re: Is this correct OO design?

Re: Is this correct OO design?

```
> {  
> private void Page_Load(object sender, EventArgs e)  
> {  
> Article MyArticle = new Article(2112);  
> Response.Write("<br>MyArticle.Title: "+MyArticle.Title);  
> MyArticle.Title = "New Title from MyArticle object instance";  
> MyArticle.Update();  
> }  
> }  
>  
> results:  
> MyArticle.Title: Original Title from Database  
> Title doesn't match current Title in Database...Perform Important  
> Operation Here.  
>
```

• *Follow-Ups:*

- ◆ [Re: Is this correct OO design?](#)
◇ From: cmo63126

• *References:*

- ◆ [Is this correct OO design?](#)
◇ From: cmo63126
- Prev by Date: [Create Table in SQL server \(Visual basic.Net\)](#)
- Next by Date: [Re: Create Table in SQL server \(Visual basic.Net\)](#)
- Previous by thread: [Is this correct OO design?](#)
- Next by thread: [Re: Is this correct OO design?](#)
- Index(es):
 - ◆ [Date](#)
 - ◆ [Thread](#)