

Re: Struts – Getter method

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2008-08/msg01244.html>

- *From:* Rudi <diaz_ruben2003@xxxxxxxxxx>
 - *Date:* Mon, 11 Aug 2008 14:34:38 -0700 (PDT)
-

On Aug 11, 5:33 pm, Rudi <diaz_ruben2...@xxxxxxxxxx> wrote:

On Aug 11, 4:18 pm, Rudi <diaz_ruben2...@xxxxxxxxxx> wrote:

On Jul 16, 3:10 pm, Rudi <diaz_ruben2...@xxxxxxxxxx> wrote:

On Jul 2, 8:27 pm, "Joe Blow" <nob...@xxxxxxxxxx> wrote:

"Rudi" <diaz_ruben2...@xxxxxxxxxx> wrote
in message

news:d3f66ee1-e208-4a48-9243-cd870e9e124d@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

On Jun 28, 3:50 pm, "Joe
Blow"
<nob...@xxxxxxxxxx>
wrote:

"Rudi28"
<rd282...@xxxxxxxxxx>
wrote in
message

news:24ef7d68-1afc-4783-b142-a1161cc781ec@xxxxxxxxxxxxxxxxxxxxxxxx

Re: Struts – Getter method

On
Jun
25,
11:54
pm,
Lew
<1...@xxxxxxxxxxxxxx>
wrote:

Joe
Blow
wrote:

Sorry
to
post
the
code,

First
of
all.
.
.never
aplogize
for
posting
the
source
code
when
you
are
asking
for
help
with
a
programming
problem.

To
the
OP:
We
love
that
you
posted

Re: Struts – Getter method

source
code.
It
is
a
good
thing.
This
group
loves
source
code,
as
a
rule.

```
<logic:iterate  
name="bookListForm"  
property="books"  
id="book"  
type="com.mycompany.Book">
```

The
JSP
Standard
Tag
Library
(JSTL)
has
largely
supplanted
the
logic:
taglib
from
Struts.

<c:forEach>,
etc.
<<http://java.sun.com/products/jsp/jstl/1.1/docs/tlddoc>

You
don't

Re: Struts – Getter method

have
to
get
into
that
right
away.
Learn
logic:iterate
and
c:forEach
will
make
sense,
in
a
different
but
similar
way.

Sun's
JSTL
tutorial
is
a
good
starting
place,
when
you're
ready.
<<http://java.sun.com/javase/5/docs/tutorial/doc/bnako>

--
Lew

Hi
guys,

Thanks
Joe
and

Re: Struts – Getter method

Lew
for
your
replies.
I'm
glad
I
did
the
right
thing
posting
the
code
then.

I
implemented
the
change
that
Joe
suggested,
I
replaced:

```
<logic:iterate  
name="bookListForm"  
property="books"  
id="book">
```

with

```
<logic:iterate  
name="bookListForm"  
property="books"  
id="book"  
type="com.mycompany.Book">
```

but
I

Re: Struts – Getter method

get
the
following
error:

Jun
27,
2008
2:01:21
PM
org.apache.catalina.core.ApplicationDispatcher
invoke
SEVERE:
Servlet.service()
for
servlet
jsp
threw
exception
java.lang.ClassCastException:
[Ljava.lang.Object;
at
org.apache.jsp.jsp.bookList_jsp._jspService(bookList_jsp.java:
at
org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:
at
javax.servlet.http.HttpServlet.service(HttpServlet.java:803)
at
org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:
393)
at
org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:
320)

I'm
now
reading
about
JSTL
to
see
what
I
can
do
in
terms

Re: Struts – Getter method

of
getting
this
to
work.

Thanks
for
your
help
and
any
other
ideas
are
welcome.
Hope
that
I
can
get
this
going
soon
since
I
need
it
for
a
project
at
work.

Sorry I
should have
caught this
the first
time
through but
I am not as
familiar
with
hibernate.
Now that
I'm looking
again, I

Re: Struts – Getter method

don't see
anyplace
where you
are actually
constructing
any Book
objects. In
your
BookListAction
code you
have this:

```
books =  
session.createQuery("select  
id, title,  
author,  
available  
from  
Book  
t").list();  
bookListForm.setBooks(books);
```

Now if you
look at the
javadoc
api's for the
org.hibernate.Query
class
you'll find
the
following
explanation
for the list()
method:

"Return the
query
results as a
List. If the
query
contains
multiple
results
pre row, the
results are

Re: Struts – Getter method

returned in
an instance
of
Object[]."

So in my
best
estimate,
unless there
is some
hibernate
magic at
work
behind
the scenes
here I can't
see, you
never
actually
create any
com.mycompany.Book
objects.

Hi Joe,

Thanks again for the reply.
I'm new at this so it's taking
me some
time to get things
going. I appreciate your
help.

I think I understand what
you're telling me. I'm
putting the result
set of the query
(objects) in a Collection, but
it's not a collection of type
Book..
There's no connection
between the Collection that
I defined called books and
the actual Book

Re: Struts – Getter method

Class.

So maybe I shouldn't have even defined that Collection in the Book Class.

I guess what I need to do is iterate through the result set from the Query, while creating instances of type Book and setting the attributes of each instance accordingly with the corresponding value from the result set (List). As each instance of the Book object is created, I need to load those instances in a Collection. Then I would have a Collection of type Book to go through and write to the jsp page.

Have a nice day and holiday. Hope that you're doing well. I'll try to figure out how to do this and will post again.

Take care,

Ruben

Yes, I think it looks like you have understood me perfectly. I believe what you stated is exactly what is causing your

Re: Struts – Getter method

problem.

Hi Joe,

Thanks again for the reply. Hope that you're doing well.

I tried several different variation of things to get the code working. So far I haven't succeeded.

Below is the change that I made to the BookListAction.java in order to get the value of the items returned from the Query. I understand that it's a list, but the list (basically rows with data) seems to have an Object in each index.. So it's a list of Objects where every Object has the 4 values retrieved for a record in the database.

To make things simple I added a where clause (for id = 1) so that it matches only one row. I'm able to display that the size of books2 is 1, but I can't get to the values somehow.

I'll appreciate your help or any ideas regarding this problem. The new code for the BookListAction.java is shown below. The other files have no changes.

Re: Struts – Getter method

Thanks again,

Ruben

BookListAction.java

BookListAction.java

```
package com.mycompany.struts.action;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.swing.text.html.HTMLDocument.Iterator;

import org.apache.struts.action.Action;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import com.mycompany.Book;
import com.mycompany.struts.form.BookListForm;
import com.mycompany.hibernate.*;
import org.hibernate.*;
import org.hibernate.criterion.Projections;

import java.util.*;

public class BookListAction extends Action {
```

Re: Struts – Getter method

```
public ActionForward execute(ActionMapping mapping,  
ActionForm form,  
HttpServletRequest request, HttpServletResponse response)  
{
```

```
BookListForm bookListForm = (BookListForm) form;
```

```
SessionFactory factory = null;  
Session session = null;  
Collection <Book> books = new ArrayList<Book>();  
List <Object> books2 = new ArrayList<Object>();  
Object books3 = null;  
Book book1 = null;
```

```
try {
```

```
factory = HibernateUtil.getSessionFactory();
```

```
session = (Session) factory.openSession();
```

```
// The line below works and I can see the values in  
debug mode. I added the  
// where clause to limit the resultset, but it works  
without it too
```

```
books2 = (List <Object>) session.createQuery("select id,  
title, author, available from Book where id = 1 ").list();
```

```
// The line below prints the total rows returned  
from the query. With the  
// where clause, it prints the value 1 since only  
one row matches that criteria
```

Re: Struts – Getter method

```
System.out.println("Query Size = " + books2.size());
```

```
// Below are the different things that I tried in  
// order to get the value from  
// books2. Nothing works.
```

```
Object[] firstResult = (Object[]) books2.get(0);
```

```
// int id = ((Integer) firstResult[0]).intValue();  
String title = ((String) firstResult[1]).toString();
```

```
System.out.println(id);  
System.out.println(title);
```

```
// Criteria crit = session.createCriteria(Book.class);  
// System.out.println("Query Size = " + books2.size());
```

```
// for (int i = 0; i < books2.size(); i++) {  
// Book book = (Book) books2.getInt(0);  
// }
```

```
// for (int i = 0; i < books2.size(); i++) {  
// books3 = books2.get(i);  
// System.out.println(books3);  
// }
```

```
// for (int i = 0; i < books2.size(); i++) {  
// System.out.println(books2);  
// book1 = null;  
// book1 = (Book) books2.get(i);  
// System.out.println(book1.getTitle());  
// }
```

Re: Struts – Getter method

```
bookListForm.setBooks(books2);
```

```
    } finally {  
        session.close();  
    }
```

```
    return mapping.findForward("showList");
```

```
    }
```

```
    }
```

Hi Joe,

Thanks for the help.

I got things working with Hibernate. The code is in this link:

http://groups.google.com.pk/group/comp.lang.java.programmer/browse_th...

However, I get some problems when trying to display the result in a jsp. I can...

read more »

Hi Everyone,

Re: Struts – Getter method

I actually got this to work finally. The last problem was solved after I replaced Strut nested tags with plain Struts iterate tags.

The code is in this link:

[http://groups.google.com.pk/group/comp.lang.java.programmer/browse th...](http://groups.google.com.pk/group/comp.lang.java.programmer/browse_th...)

Thanks again to Joe and everyone else for all the help. :)

Moderator: Please close this thread. Thanks.

.