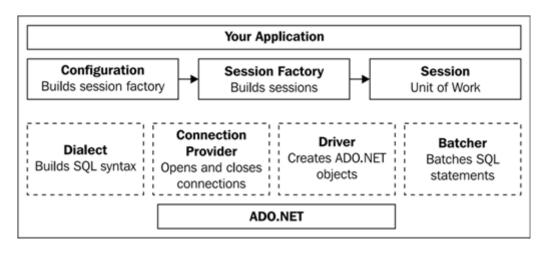
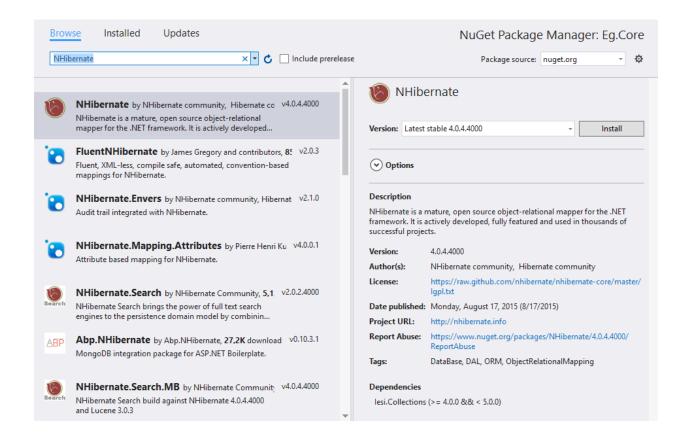
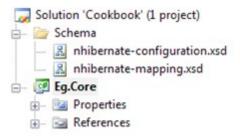
Chapter 1: Configure and Schema



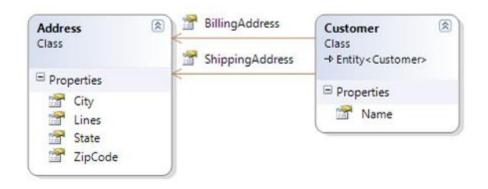


Chapter 2: Models and Mappings



	Column Name	Data Type	Allow Nulls
P	Id	uniqueidentifier	
	Name	nvarchar(255)	
T	Description	nvarchar(255)	V
	UnitPrice	decimal(19, 5)	

Column Name		Data Type	Allow Nulls	
8	Id	uniqueidentifier		
	ProductType	nvarchar(255)		
	Name	nvarchar(255)		
	Description	nvarchar(255)	V	
	UnitPrice	decimal(19, 5)		
	Director	nvarchar(255)	V	
	Author	nvarchar(255)	V	
	ISBN	nvarchar(255)	V	
			(10)	



	Column Name	Data Type	Allow Nulls
8	Id	uniqueidentifier	
	Actor	nvarchar(255)	
	Role	nvarchar(255)	
	MovieId	uniqueidentifier	V
	ActorIndex	int	V

```
        INSERT
        INTO
        Product
        (Name, Description, UnitPrice, Director, ProductType, Id)
        VALUES
        (@p0, @p1, @p2, @p3, "Eg.Core.Movie", @p4);

        INSERT
        INTO
        ActorRole
        (Actor, Role, Id)
        VALUES
        (@p0, @p1, @p2);

        UPDATE
        ActorRole
        SET
        Movield = @p0,
        ActorIndex = @p1
        WHERE
        Id = @p2;
```

```
INSERT INTO Student (Name, Id) VALUES (@p0, @p1);
             Student (Name, Id) VALUES (@p0, @p1);
INSERT INTO
INSERT INTO Course (Name, Id) VALUES (@p0, @p1);
             Course (Name, Id) VALUES (@p0, @p1);
INSERT INTO
INSERT INTO
               CourseStudent (Courseld, StudentId) VALUES
                                                        (@p0, @p1);
                            (Courseld, Studentid) VALUES
INSERT INTO
                Course Student
                                                         (@p0, @p1);
INSERT INTO CourseStudent
                             (Courseld, StudentId) VALUES
                                                        (@p0, @p1);
SELECT course0_id as id0_0_. course0_.Name as Name0_0_ FROM Course course0_ WHERE course0_id=@p0;
SELECT students0_Courseld as Courseld1_, students0_StudentId as StudentId1_, student1_Id as Id2_0_, student1_Name as Name2_0_ FROM
```

```
        INTO
        Customer
        (Name, Id)
        VALUES
        (@p0, @p1);

        INSERT
        INTO
        CustomerAddress
        (CustomerId, AddressLine1, AddressLine2, City, PostalCode)
        VALUES
        (@p0, @p1, @p2, @p3, @p4, @p5);

        INSERT
        INTO
        CustomerAddress
        (CustomerId, AddressLine1, AddressLine2, City, PostalCode)
        VALUES
        (@p0, @p1, @p2, @p3, @p4, @p5);

        INSERT
        INTO
        CustomerTag
        (CustomerId, Tag)
        VALUES
        (@p0, @p1);

        INSERT
        INTO
        CustomerTag
        (CustomerId, Tag)
        VALUES
        (@p0, @p1);
```

Commit 1

NHibernate.StaleObjectStateException: Row was updated or deleted by another transaction (or unsaved-value

mapping was incorrect): [MappingRecipes.Versioning.VersionedProduct#1]
 at NHibernate.Persister.Entity.AbstractEntityPersister.Update(Object id, Object[] fields, Object[]
 oldFields, Object rowId, Boolean[] includeProperty, Int32 j, Object oldVersion, Object obj, SqlCommandInfo
sql, ISessionImplementor session)

at NHibernate.Persister.Entity.AbstractEntityPersister.UpdateOrInsert(Object id, Object[] fields, Object[] oldFields, Object rowId, Boolean[] includeProperty, Int32 j, Object oldVersion, Object obj, SqlCommandInfo sql, ISessionImplementor session)

INSERT	INTO Project	(ld) VALUES (@p0);
INSERT	INTO Project	(ld) VALUES (@p0);
INSERT	INTO "Order"	(ld) VALUES (@p0);
INSERT	INTO OrderIter	n (Name, Orderld, ld) VALUES (@p0, @p1, @p2);
INSERT	INTO OrderIter	n (Name, Orderld, ld) VALUES (@p0, @p1, @p2);
INSERT	INTO "Order"	(ld) VALUES (@p0);
INSERT	INTO OrderIter	n (Name, Orderld, Id) VALUES (@p0, @p1, @p2);
INSERT	INTO OrderIter	n (Name, Orderld, ld) VALUES (@p0, @p1, @p2);
INSERT	INTO OrderPro	ject (ProjectId, OrderId) VALUES (@p0, @p1);
INSERT	INTO OrderPro	ject (ProjectId, OrderId) VALUES (@p0, @p1);
INSERT	INTO OrderPro	ject (ProjectId, OrderId) VALUES (@p0, @p1);
SELECT	thisld as Id3_0_	FROM Project this_
SELECT	orders0Projectle	d as ProjectId1_, orders0OrderId as OrderId1_, order1Id as Id1_0_ FROM OrderProject orders0_ left outer join
SELECT	items0Orderld a	is Orderld1_, items0ld as ld1_, items0ld as ld0_0_, items0Name as Name0_0_, items0Orderld0_
SELECT	items0Orderld a	is Orderld1_, items0ld as Id1_, items0ld as Id0_0_, items0Name as Name0_0_, items0Orderld0_
SELECT	orders0Projectle	d as ProjectId1_, orders0_OrderId as OrderId1_, order1_Id as Id1_0_ FROM OrderProject orders0_ left outer join

Chapter 3: Sessions and Transactions

```
Building session provider
Building session provider
Opening session
All Books

* NHibernate 3.0 Cookbook
Opening session
All Movies

* Raiders of the Lost Ark

* The Bucket List
Disposing session
Disposing session
Building session
Building session
Pression provider
Opening session
All Products

* Raiders of the Lost Ark

* The Bucket List

* NHibernate 3.0 Cookbook
Disposing session
Press any key
```

Application name Home About Contact

Books

· NHibernate 3.0 Cookbook - Jason Dentler

© 2016 - My ASP.NET Application

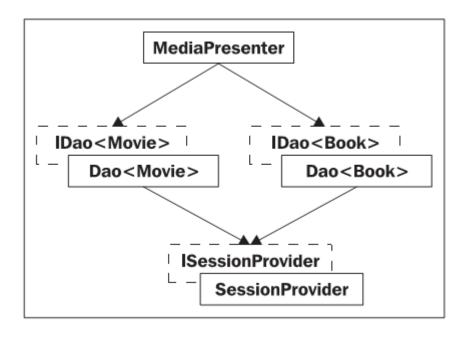
```
PerformSave
Id:4
PerformUpdate
Saving TestPublisherAuto
Searching for TestPublisherAuto
Found it!
Searching for TestPublisherAuto again
Found it!
Saving TestPublisherCommit
Searching for TestPublisherCommit
Didn't find it!
Searching for TestPublisherCommit again
Found it!
Saving TestPublisherNever
Searching for TestPublisherNever
Didn't find it!
Searching for TestPublisherNever again
Didn't find it!
```

```
Executing with None and None
Thread1 acquiring lock
Thread1 acquired lock
Thread2 acquiring lock
Thread2 acquired lock
Thread2 committed
Thread1 committed
Executing with Upgrade and Upgrade
Thread1 acquiring lock
Thread1 acquired lock
Thread2 acquiring lock
Thread1 committed
Thread2 acquired lock
Thread2 committed
Executing with UpgradeNoWait and UpgradeNoWait
Thread1 acquiring lock
Thread1 acquired lock
Thread2 acquiring lock
Exception in Thread2:could not lock: [NH4CookbookHelpers.Queries.Model.Movie#1][SQL: SELECT Id FROM Product
with (updlock, rowlock, nowait) WHERE Id = ?]
Thread1 committed
```

```
Adding Sprockets.
Adding Sprockets to product catalog.
Adding Sprockets to warehouse system.
Updating Sprockets.
Updating Sprockets in product catalog.
Updating Sprockets in warehouse system.
Removing Sprockets.
Removing Sprockets from product catalog.
Removing Sprockets from system.
Product could not be removed.
Warehouse still has inventory of Sprockets.
```

```
Saving product in session A.
Changing price in session B.
Price was 10,00 kr
Refreshing
Price is 15,00 kr
```

Saving product in session A. Changing price in session B. Price was 10,00 kr Refreshing Price is 15,00 kr



Chapter 4: Queries

```
Movies directed by Spielberg:
9,59 kr Raiders of the Lost Ark starring Harrison Ford & Karen Allen

Movies with Morgan Freeman:
15,00 kr The Bucket List starring Jack Nicholson & Morgan Freeman

This book:
50,00 kr NHibernate 3.0 Cookbook - Packt Publishing (ISBN 978-1-849513-04-3)

Cheap products:
9,59 kr Raiders of the Lost Ark starring Harrison Ford & Karen Allen
15,00 kr The Bucket List starring Jack Nicholson & Morgan Freeman
```

```
Movie Price List:

9,59 kr Raiders of the Lost Ark

15,00 kr The Bucket List

Average Movie Price:

12,30 kr

Average Price by Director:

15,00 kr Rob Reiner

9,59 kr Steven Spielberg
```

Movies directed by Spielberg:
9,59 kr Raiders of the Lost Ark starring Harrison Ford & Karen Allen

Movies with Morgan Freeman:
15,00 kr The Bucket List starring Jack Nicholson & Morgan Freeman

This book:
50,00 kr NHibernate 3.0 Cookbook - Packt Publishing (ISBN 978-1-849513-04-3)

Cheap products:
9,59 kr Raiders of the Lost Ark starring Harrison Ford & Karen Allen
15,00 kr The Bucket List starring Jack Nicholson & Morgan Freeman

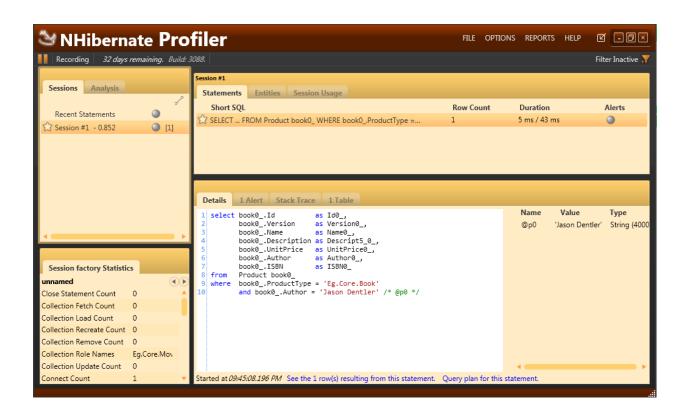
Movie Price List:
9,59 kr Raiders of the Lost Ark
15,00 kr The Bucket List

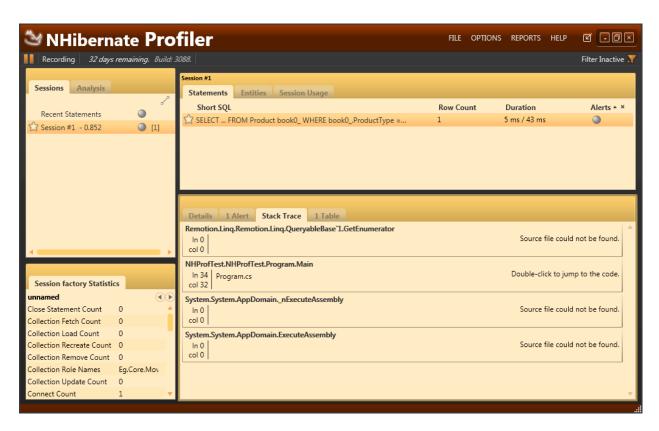
Average Movie Price: 12,30 kr

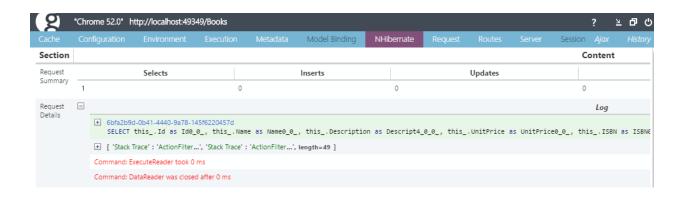
Average Price by Director: 15,00 kr Rob Reiner 9,59 kr Steven Spielberg

Chapter 6: Testing









Chapter 9: NHibernate Contribution Projects

