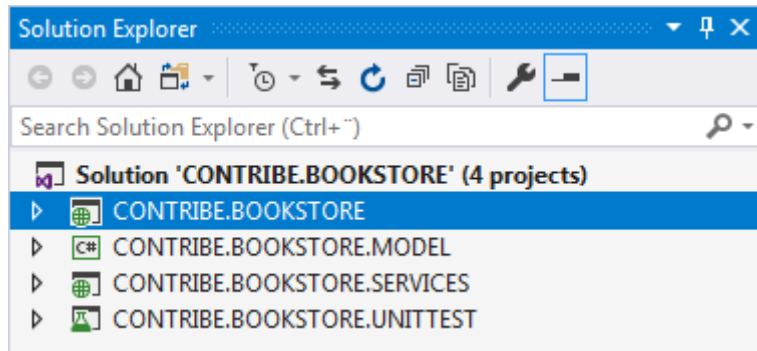


Contribute – Bookstore (C# Work sample Implementation - <http://www.contribute.se/arbetsprov-net>)

GitHub URL:

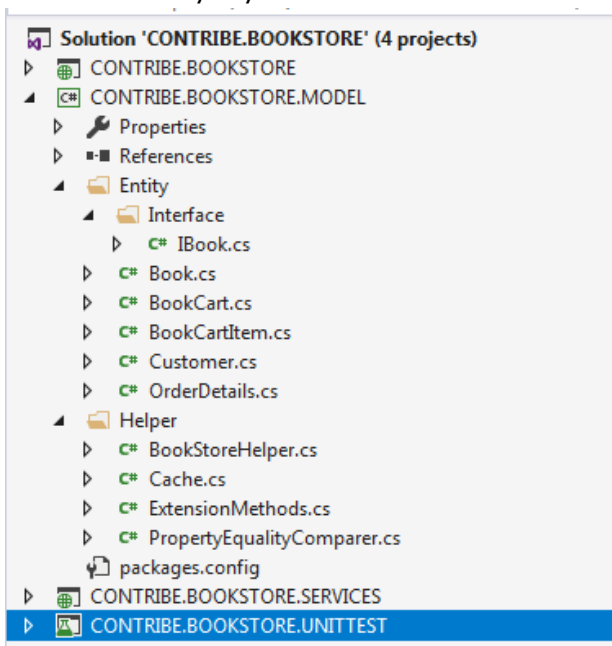
Created 4 projects:

- 1) CONTRIBE.BOOKSTORE.MODEL
- 2) CONTRIBE.BOOKSTORE.UNITTEST
- 3) CONTRIBE.BOOKSTORE.SERVICES
- 4) CONTRIBE.BOOKSTORE



1) CONTRIBE.BOOKSTORE.MODEL project

- Library project contains the interface, entity classes and helper classes in the following folder structure.
- Business entity layer contains the backend code.



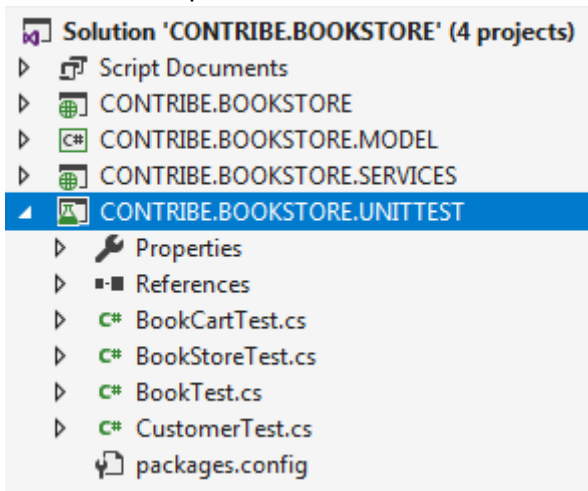
The following embedded excel sheet shows the class structure,



Contribute.xlsx

2) CONTRIBE.BOOKSTORE.UNITTEST project

- Unit test project contains unit test cases for all the business objects operation.
- Test cases covered for business entities and helper operations for classes such as Book, BookCart, BookStoreHelper and Customer.



3) CONTRIBE.BOOKSTORE.SERVICES project

- WCF project contain the WCF services implementation based on interface [IBookstoreService](#)
- Operation contracts were implemented in such a way that to enable asynchronous operations for increasing the scalability.
- Service layer

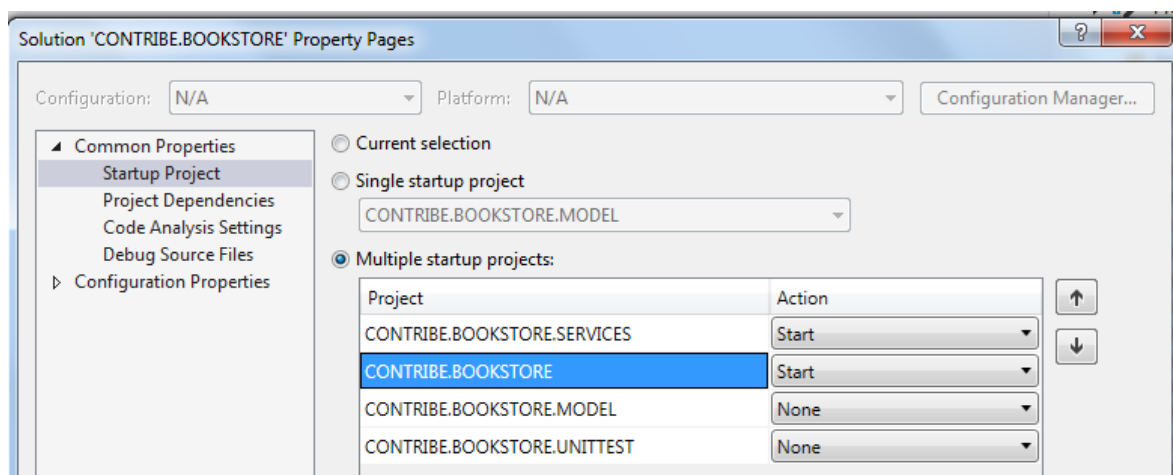
4) CONTRIBE.BOOKSTORE project

- ASP.NET MVC web project contain the front end client side (jquery) and server side code
- User interface layer

Project Dependencies

CONTRIBE.BOOKSTORE.MODEL	NIL
CONTRIBE.BOOKSTORE.UNITTEST	CONTRIBE.BOOKSTORE.MODEL
CONTRIBE.BOOKSTORE.SERVICES	CONTRIBE.BOOKSTORE.MODEL
CONTRIBE.BOOKSTORE	NIL

I have enabled multiple startup projects to activate both WCF service and ASP.NET MVC web application when running application by pressing F5 (Debug -> Start Debugging)



1) Home screen without simple login

Contribute Bookstore

Enter UserId: [Log in](#)

Search Books

Title:

☐ And ☒ Or

Author:

Search Results

S.No	Author	Title	Price
------	--------	-------	-------

2) Home screen after simple log in (not real login but used for placing order only) – give some text and click login.

Contribute Bookstore

GIRI [Log out](#)

Search Books

Title:

☐ And ☒ Or

Author:

Search Results

S.No	Author	Title	Price
------	--------	-------	-------

Book Cart

S.No	Author	Title	Price	Quantity
------	--------	-------	-------	----------

Order Details

S.No	Author	Title	Price	Quantity
------	--------	-------	-------	----------

3)

Search books with title alone

Search Books

Title:

☐ And ☒ Or

Author:

Search Results

S.No	Author	Title	Price	
1	Generic Title	First Author	185,50 SEK	Add to Cart
2	Generic Title	Second Author	1.748,00 SEK	Add to Cart

4) Search books with title or author

Search Books

Title:

☐ And ☒ Or

Author:

Search Results

S.No	Author	Title	Price	
1	How To Spend Money	Rich Block	1.000.000,00 SEK	Add to Cart
2	Desired	Rich Bloke	564,50 SEK	Add to Cart
3	Generic Title	First Author	185,50 SEK	Add to Cart
4	Generic Title	Second Author	1.748,00 SEK	Add to Cart

5) Search books with title and author (no matching results)

Search Books

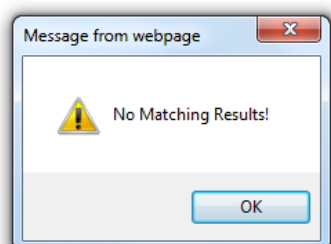
Title:

☒ And ☐ Or

Author:

Search Results

S.No	Author	Title	Price
------	--------	-------	-------



6) Search books with title and author (matching results)

Search Books

Title:

☒ And ☐ Or

Author:

Search Results

S.No	Author	Title	Price	
1	Mastering åäö	Average Swede	762,00 SEK	Add to Cart

7) Add to Cart (multiple clicks of Add to Cart will increment quantity by 1)

Search Books

Title:

☐ And ☒ Or

Author:

Search

Search Results

S.No	Author	Title	Price	
1	How To Spend Money	Rich Block	1.000.000,00 SEK	Add to Cart
2	Desired	Rich Bloke	564,50 SEK	Add to Cart
3	Generic Title	First Author	185,50 SEK	Add to Cart
4	Generic Title	Second Author	1.748,00 SEK	Add to Cart

Book Cart

S.No	Author	Title	Price	Quantity	
1	Desired	Rich Bloke	564,50 SEK	<input type="text" value="1"/>	Remove
Total			564,50 SEK	1	

Place Order

Order Details

S.No	Author	Title	Price	Quantity
------	--------	-------	-------	----------

8) Quantity can be updated with in Book Cart as well (onChange event)

Search Results

S.No	Author	Title	Price	
1	How To Spend Money	Rich Block	1.000.000,00 SEK	Add to Cart
2	Desired	Rich Bloke	564,50 SEK	Add to Cart
3	Generic Title	First Author	185,50 SEK	Add to Cart
4	Generic Title	Second Author	1.748,00 SEK	Add to Cart

Book Cart

S.No	Author	Title	Price	Quantity	
1	Generic Title	First Author	185,50 SEK	<input type="text" value="2"/>	Remove
2	Desired	Rich Bloke	564,50 SEK	<input type="text" value="1"/>	Remove
3	Generic Title	Second Author	1.748,00 SEK	<input type="text" value="3"/>	Remove
4	How To Spend Money	Rich Block	1.000.000,00 SEK	<input type="text" value="1"/>	Remove
Total			1.006.179,50 SEK	7	

Place Order

9) Item can be removed from Book Cart by clicking Remove button

Search Results

S.No	Author	Title	Price	
1	How To Spend Money	Rich Block	1.000.000,00 SEK	Add to Cart
2	Desired	Rich Bloke	564,50 SEK	Add to Cart
3	Generic Title	First Author	185,50 SEK	Add to Cart
4	Generic Title	Second Author	1.748,00 SEK	Add to Cart

Book Cart

S.No	Author	Title	Price	Quantity	
1	Generic Title	First Author	185,50 SEK	<input type="text" value="2"/>	Remove
2	Desired	Rich Bloke	564,50 SEK	<input type="text" value="1"/>	Remove
3	Generic Title	Second Author	1.748,00 SEK	<input type="text" value="3"/>	Remove
Total			6.179.50 SEK	6	

[Place Order](#)

10) Order can be placed by clicking Place Order button (Not in stock will be listed as below with quantity)

S.No	Author	Title	Price	
1	How To Spend Money	Rich Block	1.000.000,00 SEK	Add to Cart
2	Desired	Rich Bloke	564,50 SEK	Add to Cart
3	Generic Title	First Author	185,50 SEK	Add to Cart
4	Generic Title	Second Author	1.748,00 SEK	Add to Cart

Book Cart

S.No	Author	Title	Price	Quantity
------	--------	-------	-------	----------

Order Details

S.No	Author	Title	Price	Quantity
1	Generic Title	First Author	185,50 SEK	2
2	Generic Title	Second Author	1.748,00 SEK	3
Total			5.615,00 SEK	5
Not in stock				
1	Desired	Rich Bloke	564,50 SEK	1

Unit test Results

