Linq Groupby multiple columns with the same name (An anonymous type cannot have multiple properties with the same name)

Asked 2 years, 3 months ago   Active 2 years ago   Viewed 1k times

Ask Question

1

I have an array of objects each object has 3 clients, each client has a client code and a client name. I want to use C# Linq to group by client code for different objects.

> object[0]: client "pickupFrom" has "clientCode" client "loadAt" has "clientCode" client "deliverTo" has "clientCode"
>
> object[1]: client "pickupFrom" has "clientCode" client "loadAt" has "clientCode" client "deliverTo" has "clientCode"

I want to group by those clients and get an array that has one object since those clients are identical.

using Linq I could do:

```
Objects[] GroupedDistinct =
        ungroupedObjects.GroupBy(line => new { line.pickupFrom.clientCode,
                                               line.LoadAt.clientCode,
                                               line.deliverTo.clientCode })
                .Select(x => x.First())
                .ToArray();
```

The problem here is that when passing those parameters to groupby, I can't pass clientCode more than once since it is defining a string with the name clientCode more than once even though it does not come from the same client object.

the error is "An anonymous type cannot have multiple properties with the same name" I understand that you can't pass the same string name more than once but that is how those objects (clients) are done with clientCode. Is there a way around this?

`c#`   `linq`

share improve this question

edited Nov 1 '17 at 13:36

asked Jul 26 '17 at 15:20

👤 **Sam Hajari**
204 ● 2 ● 10

Are you sure about `object.pickupFrom.clientCode` ? Maybe you mean `line.pickupFrom.clientCode` ? – Aleks Andreev Jul 26 '17 at 15:35

add a comment

1 Answer

active   oldest   votes

5

Just give them unique names. Also I think you meant to use `line` and not `object` .

```
Objects[] GroupedDistinct = ungroupedObjects
    .GroupBy(line => new {
        PickFromClientCode = line.pickupFrom.clientCode,
        LoadAtClientCode = line.LoadAt.clientCode,
        DeliverToClientCode = line.deliverTo.clientCode })
```

```
.Select(x => x.First())
.ToArray();
```

share improve this answer

edited Jul 26 '17 at 15:41

answered Jul 26 '17 at 15:25

juharr
27k ● 3 ● 42 ● 81

ugh lol that was an easy one.. Thanks!!! I can't mark this as an answer though due to low reputation –
Sam Hajari Jul 26 '17 at 15:39

add a comment

Your Answer

B *I* 🔗 ❝ { } 🖼 ≣ ≣ ≣ ≣ ↶ ↷

Sign up or log in

[G] Sign up using Google

[f] Sign up using Facebook

Sign up using Email and Password

Post as a guest

Name

Email
Required, but never shown

Post Your Answer

Not the answer you're looking for? Browse other questions tagged c# linq or ask your own question.

Related

406 Use of var keyword in C#

1 linq: groupby with multiple nullable types

11 VB.NET linq group by with anonymous types not working as expected

26 Cannot assign null to anonymous property of type array

1293 Why not inherit from List<T>?

2 LINQ query string[] group by multiple anonymous columns

4 Linq Query to Group By Multiple Columns But Get Additional Properties

0 linq groupby plus select returning element type rather than value

0 Using a IEqualityComparer for Anonymous Type in a LINQ GroupBy function

Hot Network Questions

Algorithmic thinking problems

My professor changed a take-home test to an in-class test with no notice. Can I fight the grade?

A Ukrainian idiom meaning "on one's last legs"

A bob hanging in an accelerating train moves backward. What is the force moving it backward?

While I have six eyes, I don't need an optician

Why is SpaceX not also working on a smaller version of Starship?

Why 401k contribution as % of salary vs. fixed amount per pay check?

How can I pass a collection of exceptions as a root cause?

I can't understand how probability makes sense

Why wasn't Vader's armour made of Beskar?

Kids'/Young Adult Book - TV set that shows tomorrow's news

What is the quickest way to raise Affection?

Is there any theory why (for Bitcoin) the discrete logarithm problem is so hard to solve?

Can a Way of the Open Hand monk's Open Hand Technique prevent Legendary Action reactions?

Is there a word/phrase that can describe playing a musical instrument in a casual way?

How can I offer my prayers for an atheist?

more hot questions

Navigation

STACK OVERFLOW

Questions

Jobs

Developer Jobs Directory

Salary Calculator

Help

Mobile

PRODUCTS

Teams

Talent

Advertising

Enterprise

COMPANY

About

Press

Work Here

Legal

Privacy Policy

Contact Us

STACK EXCHANGE NETWORK

Technology

Life / Arts

Culture / Recreation

Science

Other

Blog   Facebook   Twitter   LinkedIn