

# LAW OF DEMETER

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# WHAT IS LAW OF DEMETER?

A method of an object should invoke only the methods of the following kinds of objects:

1. Itself
2. Its parameters
3. Any objects it creates/instantiates
4. Its direct component objects



# LAW OF DEMETER IN SIMPLE TERMS

- Each unit should only talk to its friends; Don't talk to strangers.



# AVOID THE FOLLOWING

```
objA.objB.GetSomething().DoSomething()
```

```
var objB = objA.objB;
```

```
var objC = objB.GetSomething();
```

```
objC.DoSomething();
```



# PURE DATA ACCESS IS OK

```
var name = winner.identity.name.firstName;
```

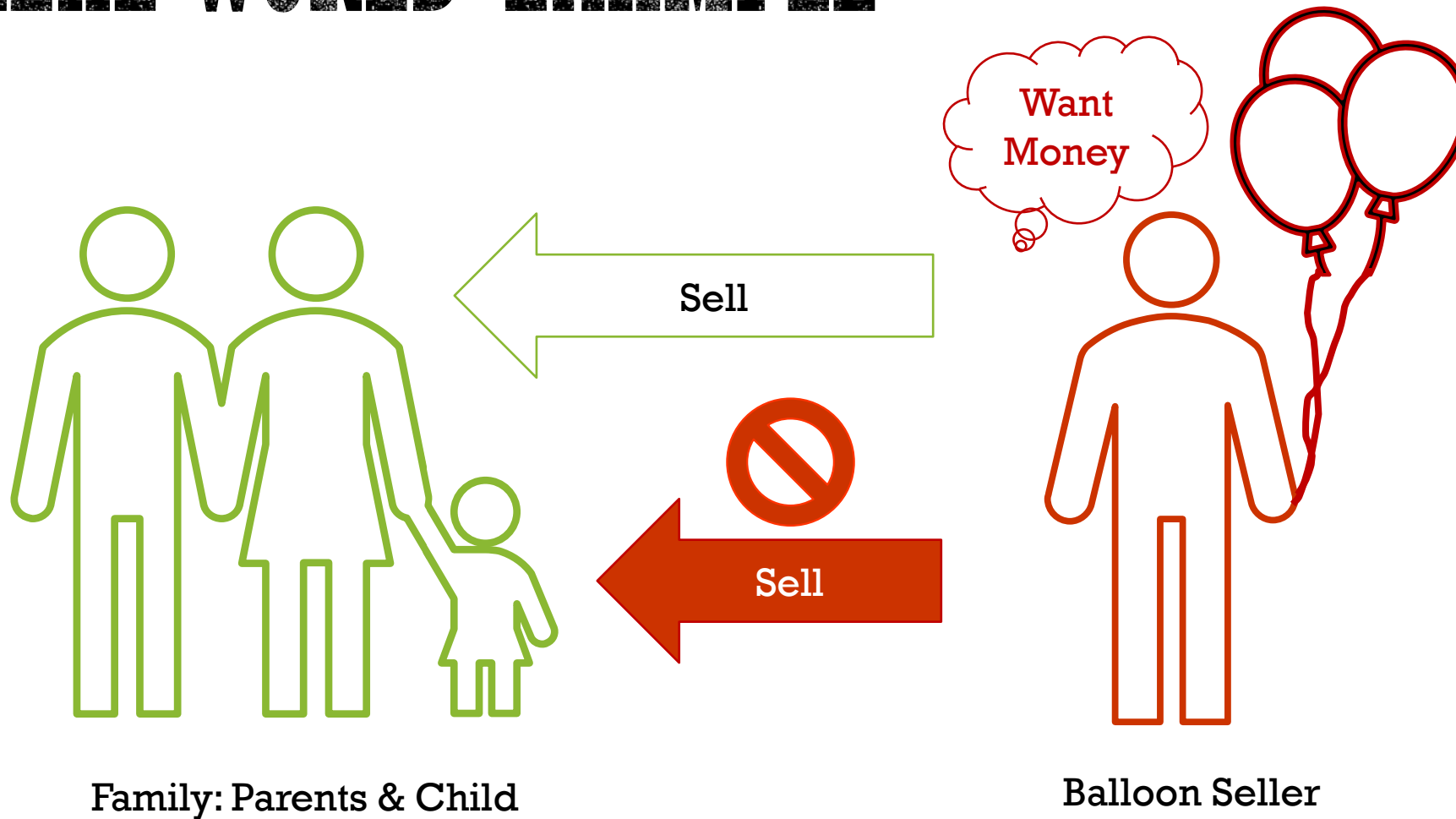


# FLUENT API USAGE IS OK

```
modelBuilder.Entity<Course>()  
    .HasRequired(c => c.Department)  
    .WithMany(t => t.Courses)  
    .Map(m => m.MapKey("ChangedDepartmentID"));
```



# REAL WORLD EXAMPLE



**LETS LOOK AT THE SOFTWARE VERSION**





# THANKS

