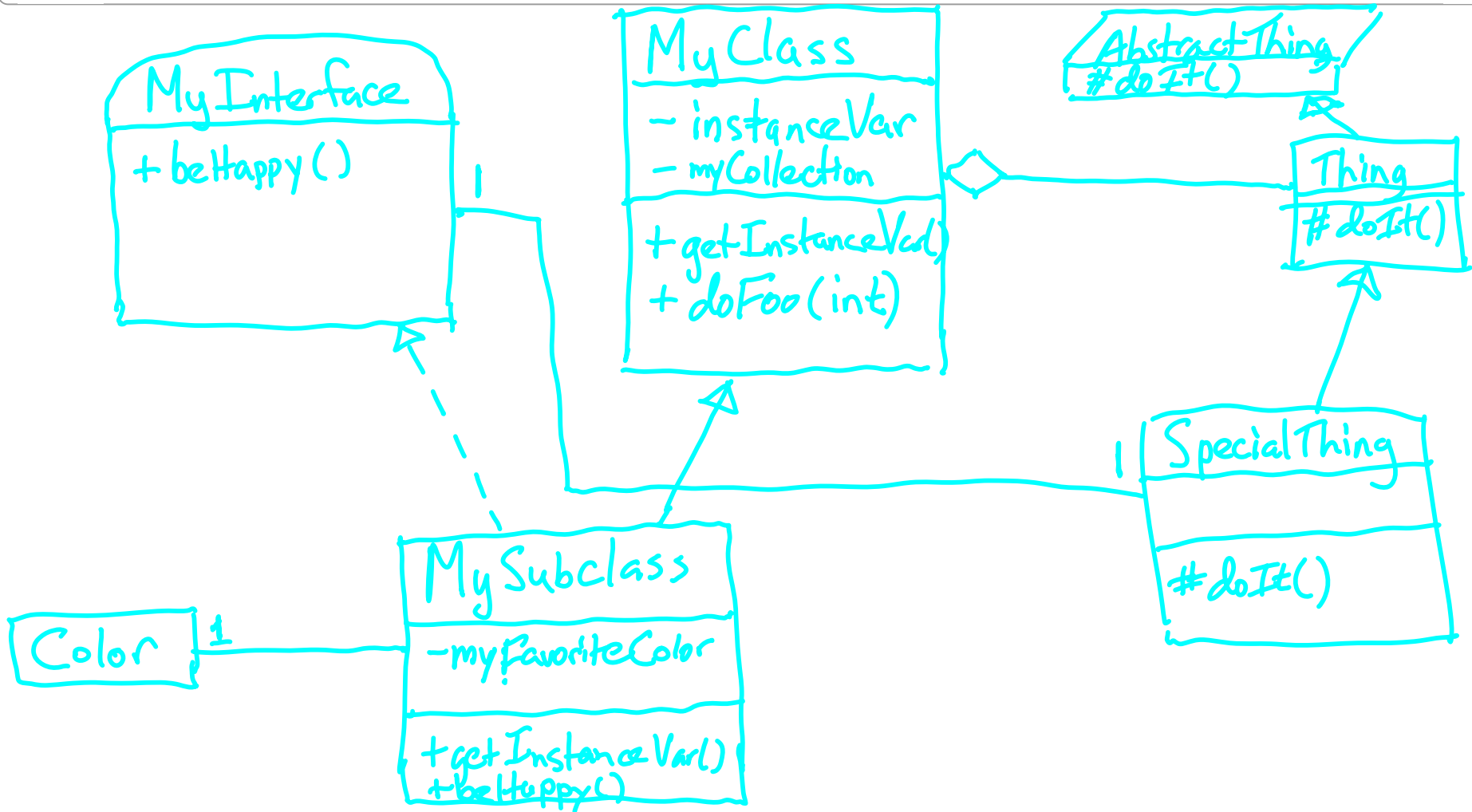
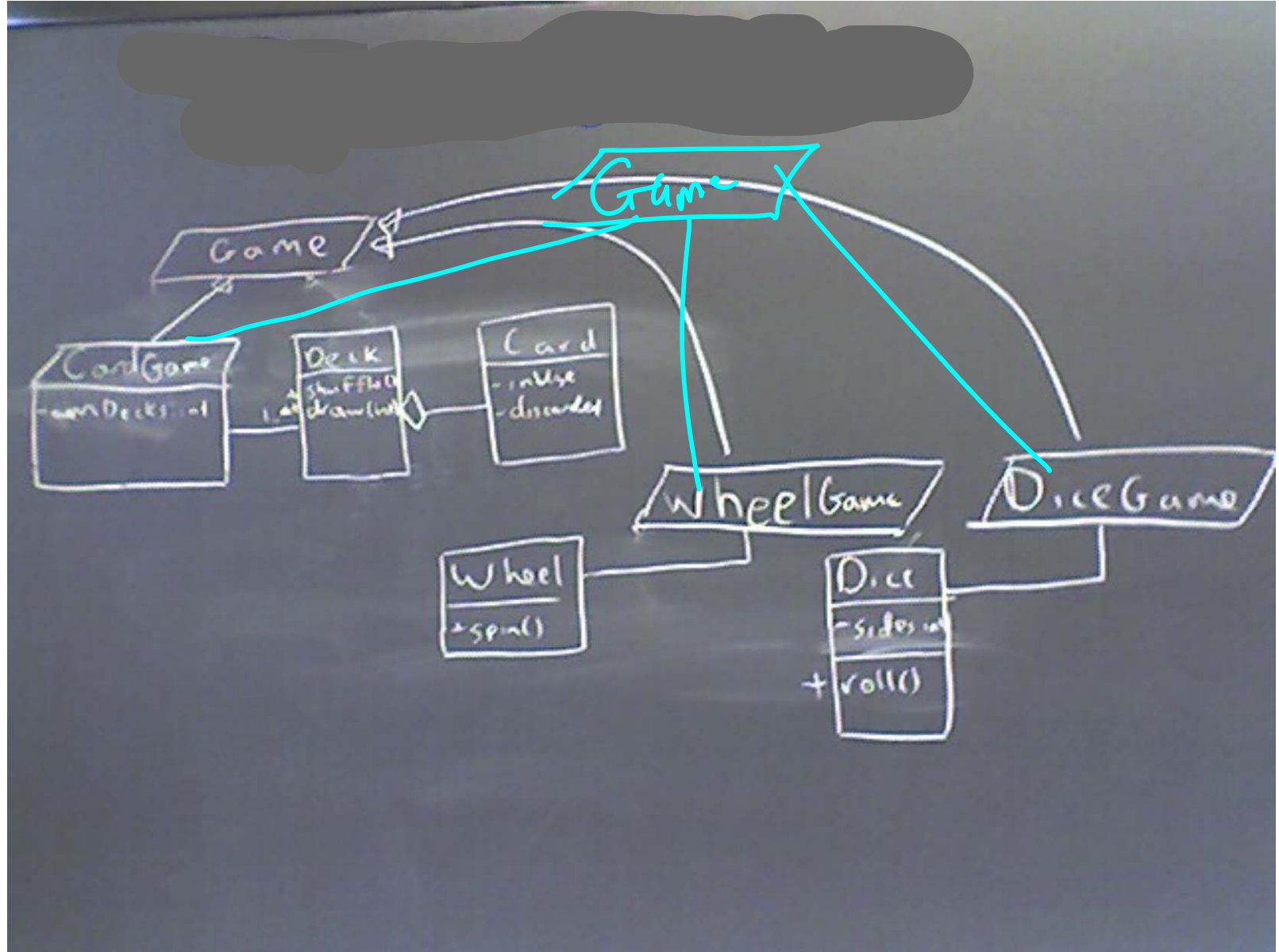


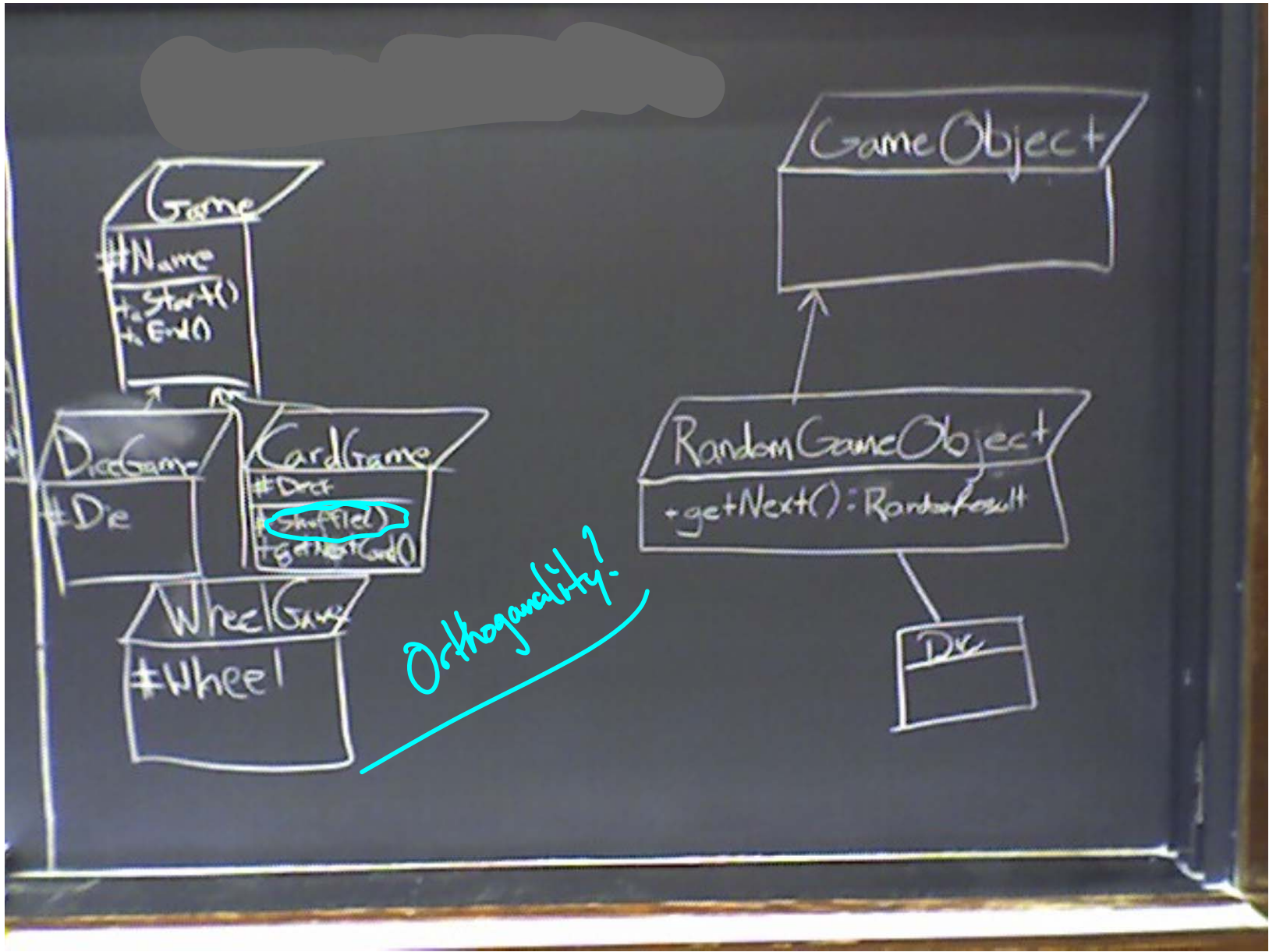
UML Style Guidelines

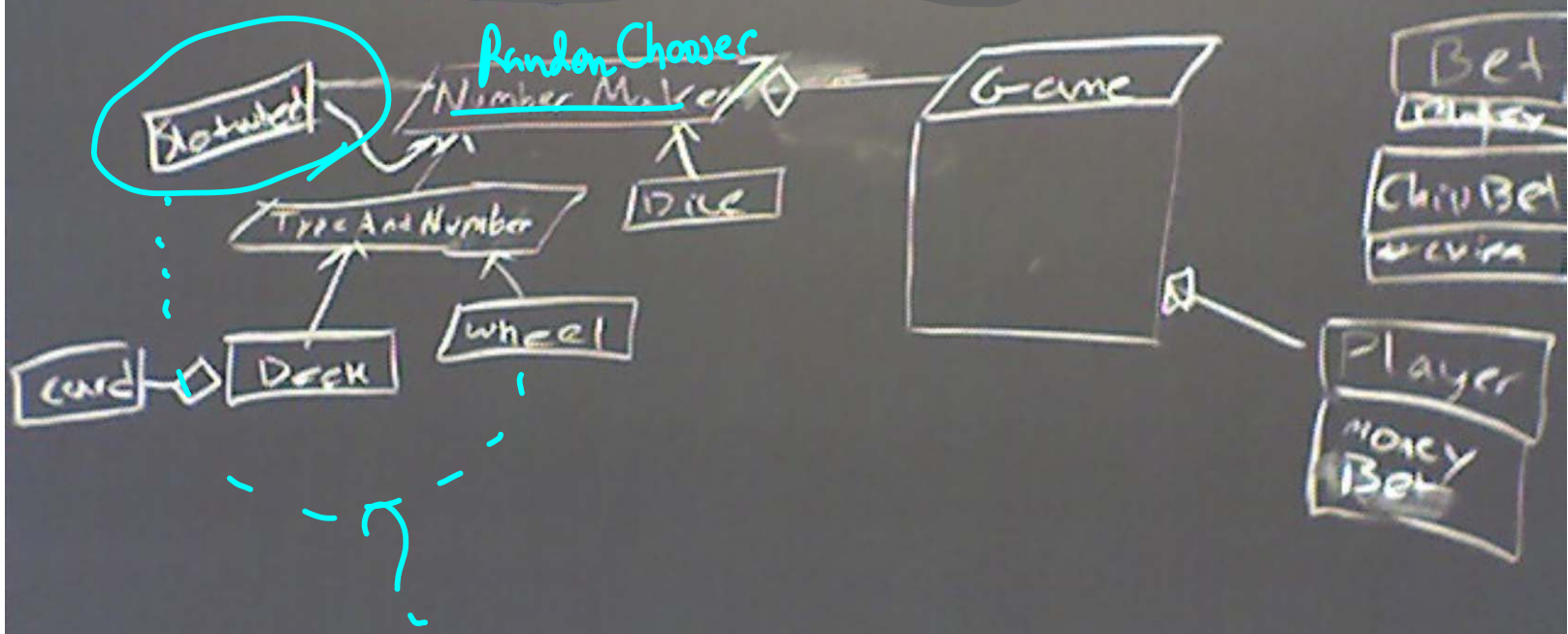
Note Title

1/23/2007

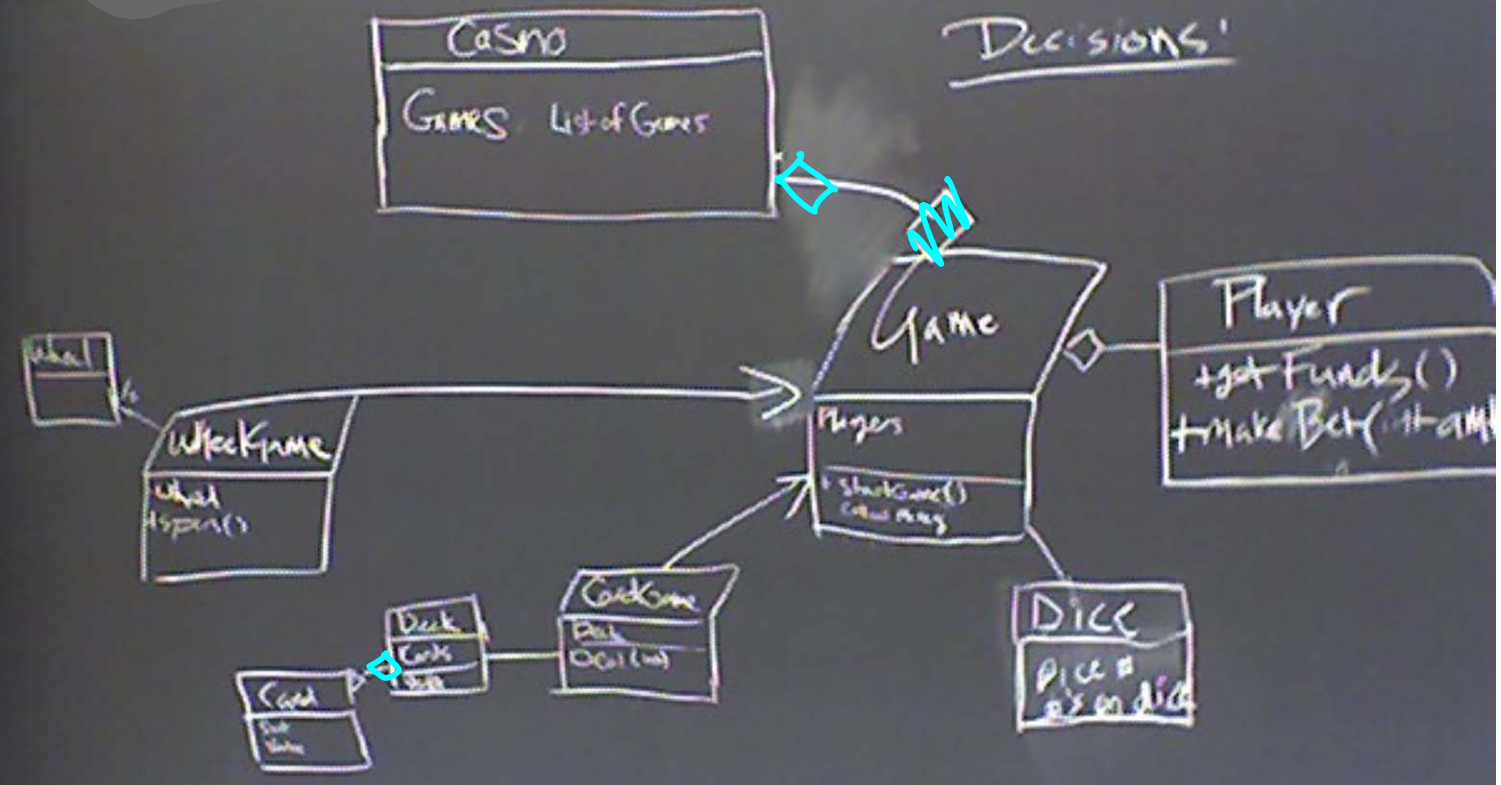








DECISIONS!



? extends Foo vs. ? super Foo

Abstraction by Parameterization
substituting a parameter for data values
to get generality

Original name for Generics is Parameterized Types

Collection of Objects ← Polymorphic

Collection < T > ← restricted polymorphism

add(T value)

? extends Foo vs. ? super Foo

```
class MyCollection<T>
```

```
class MyCollection<T extends Foo> {
```

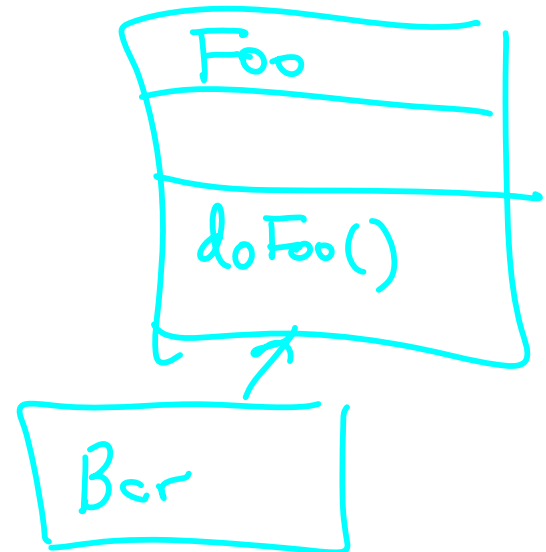
```
...
```

```
x.doFoo()
```

~

```
a = new MyCollection<Foo>
```

```
b = new MyCollection<Bar>
```



class MyCollection $\langle E \rangle$ ← type parameter

MyCollection (Comparator $\langle ? \text{ super } E \rangle$ comp)

Comparator $\langle T \rangle$

new MyCollection $\langle C \rangle$ ()
↑ actual class
↓ comparator of ?

