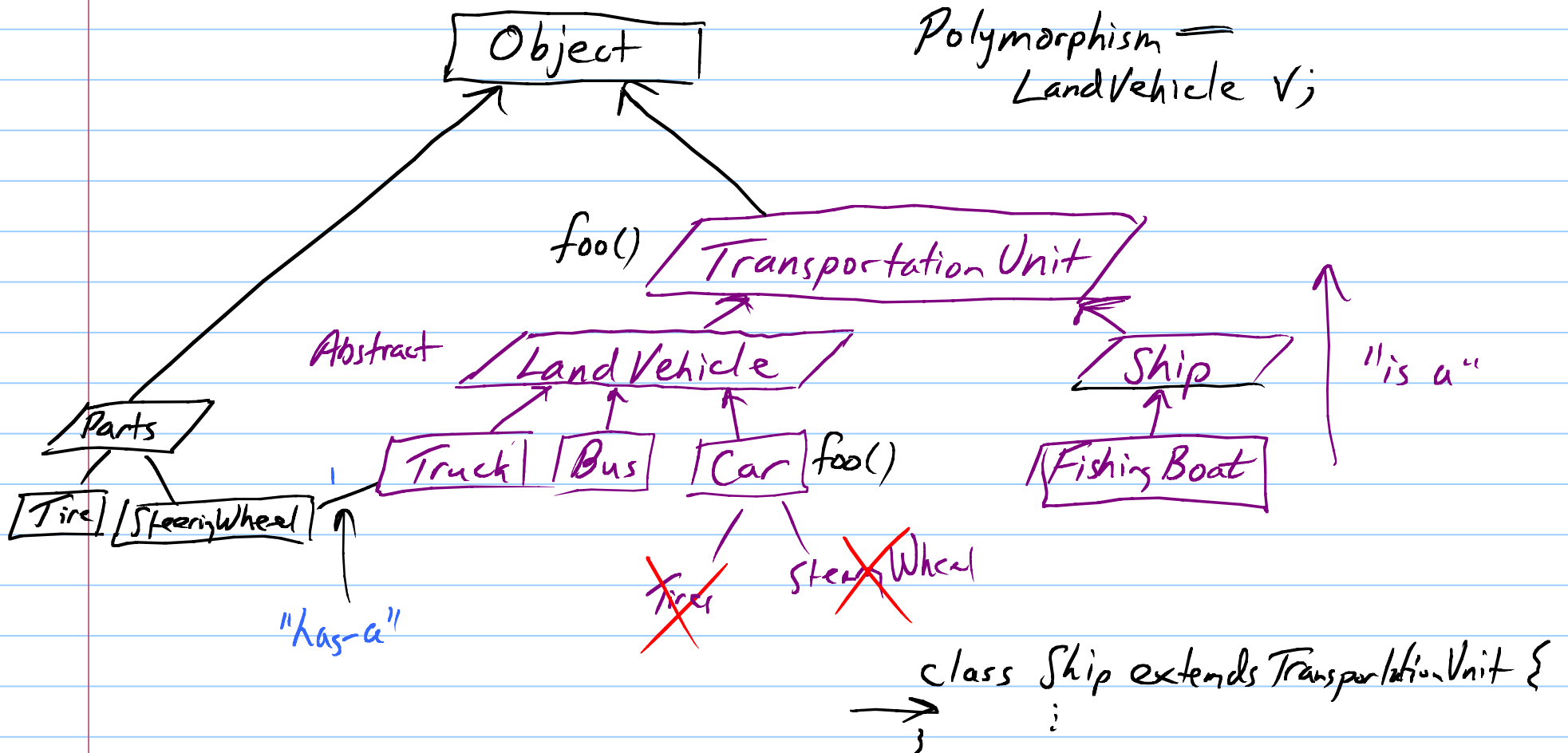


Class Hierarchies

Note Title

11/28/2007



```
class Ship extends TransportationUnit {
```

```
    public Ship (-, -, -) {  
        int x;  
        super(-);  
        x=5;  
    }
```

```
    foo() {  
        ⋮  
        super.foo();  
        ⋮  
    }
```

```
TU v = new Ship();
```

```
v.moveShip(); X
```

```
→ ((Ship) v).moveShip();
```

Type-checking

At compile time:

- declared types are what matter

At run time:

- the actual object type matters
dynamic dispatching
- checks for correct casts