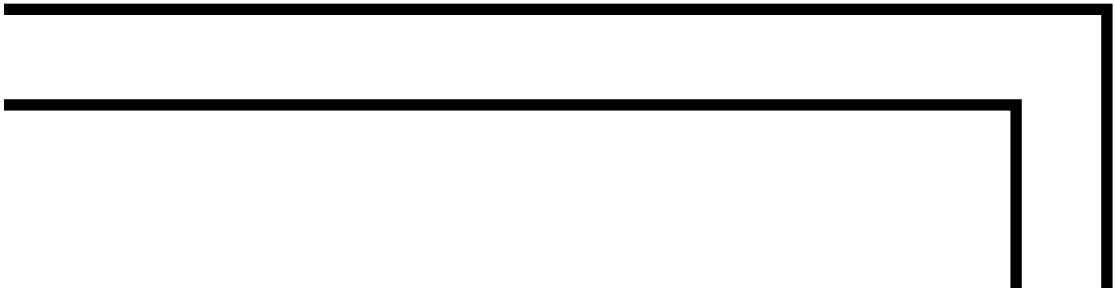


Star





+Type: enum

+Star(name:String,type:Type,char

+Type: enum

+Planet(name:String,type:Type,ch

+Type: enum

+Satelite(name:String,type:Type,

Astron

+AstronomicalObject

+getAtmosphere():
+getRadius(): double
+getMass(): double
+getTemperature()
+resetAtmoshere()

```
characteristics:AstronomicalObjectCharacteri
```

```
└───────────────────────────────────────────┘
```

Planet

```
characteristics:AstronomicalObjectCharacte
```

```
└───────────────────────────────────────────┘
```

Satelite

```
characteristics:AstronomicalObjectCharac
```

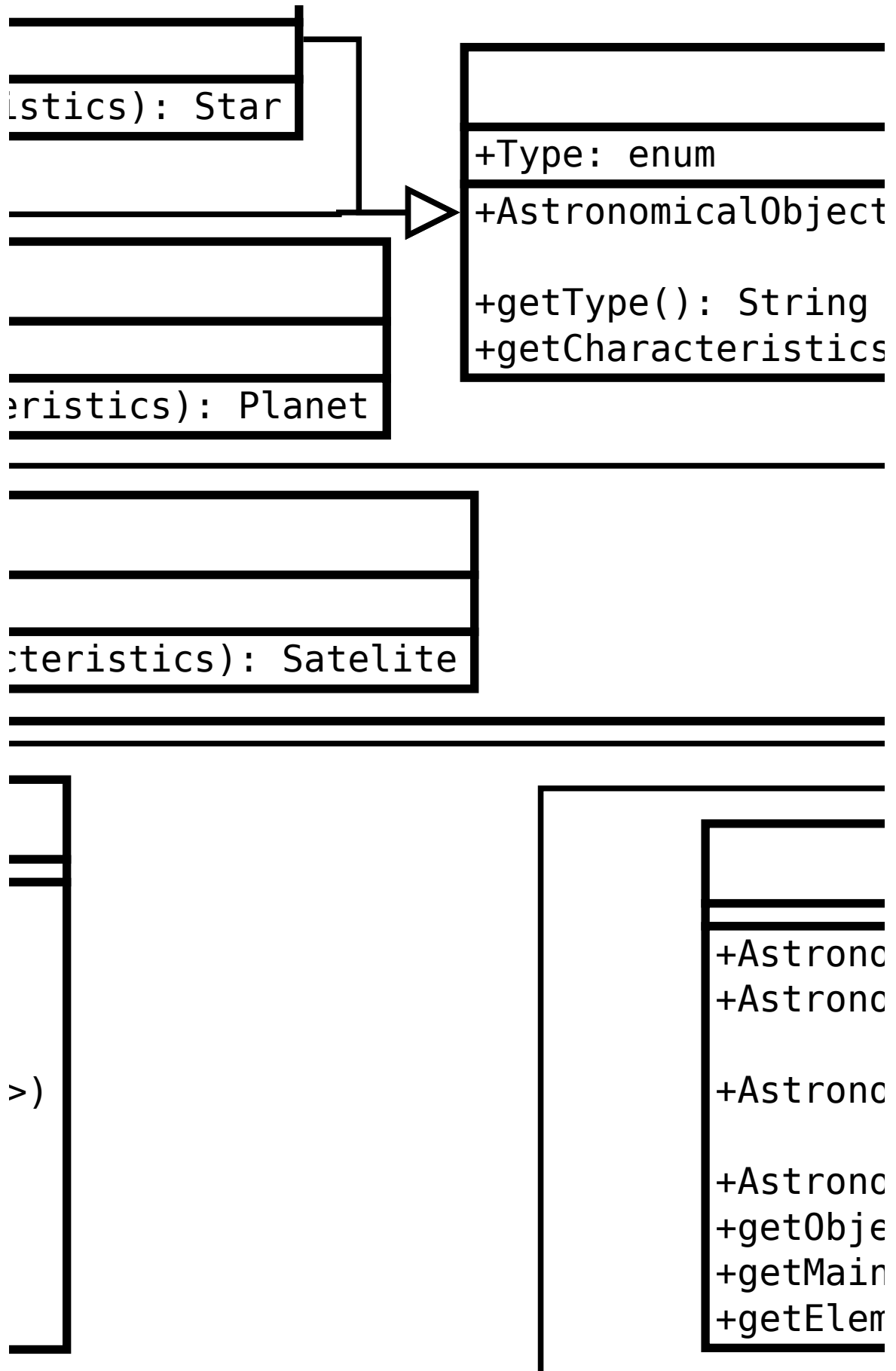
```
└───────────────────────────────────────────┘
```

omicalObjectCharacteristics

```
ctCharacteristics(atmosphere:double,  
                  radius:double,  
                  mass:double,  
                  temperature:double,  
                  entities:List<Entities:
```

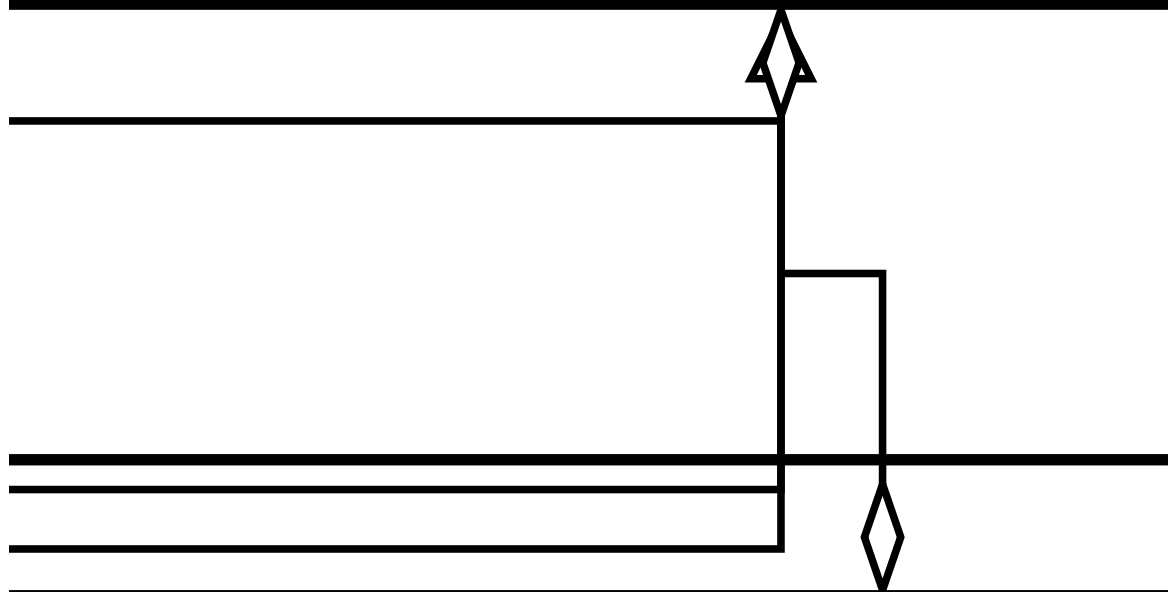
```
    double  
    ole  
    e  
    : double  
    : void
```

Λ



AstronomicalObject

```
:(name:String,type:Type,  
  characteristics:AstronomicalObjectChara  
;(): AstronomicalObjectCharacteristics
```



AstronomicalSystem

```
omycalSystem(object:AstronomycalObject):  
omycalSystem(main:AstronomycalSystem,  
              elements:List<AstronomicalSy  
omycalSystem(mains:List<AstronomicalSyste  
              elements:List<AstronomicalSy  
omycalSystem(elements:List<AstronomycalSy  
ect(): AstronomycalObject  
is(): List<AstronomicalSystem>  
ments(): List<AstronomicalSystem>
```

```
acteristics): AstronomicalObject
```

```
m
```

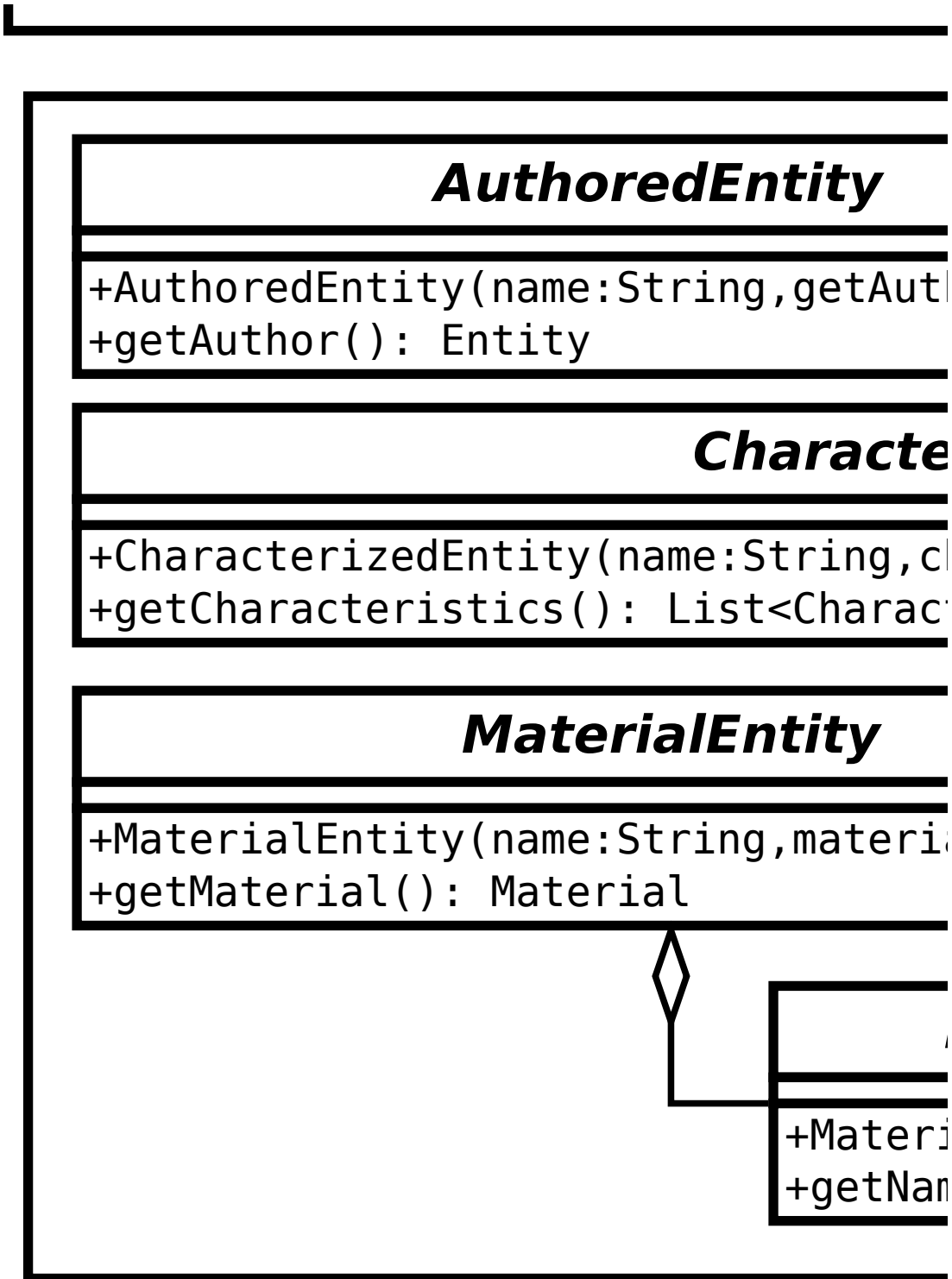
```
AstronomycalSystem
```

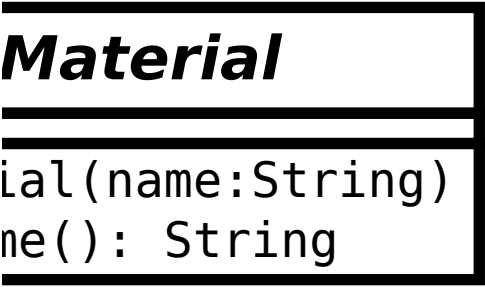
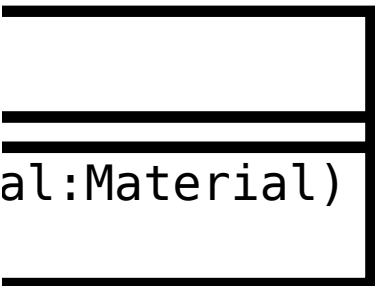
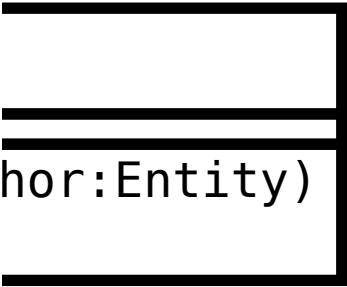
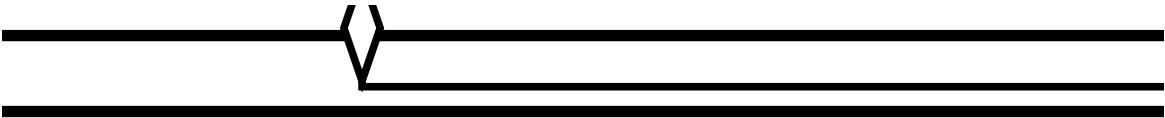
```
/stem>): AstronomycalSystem
```

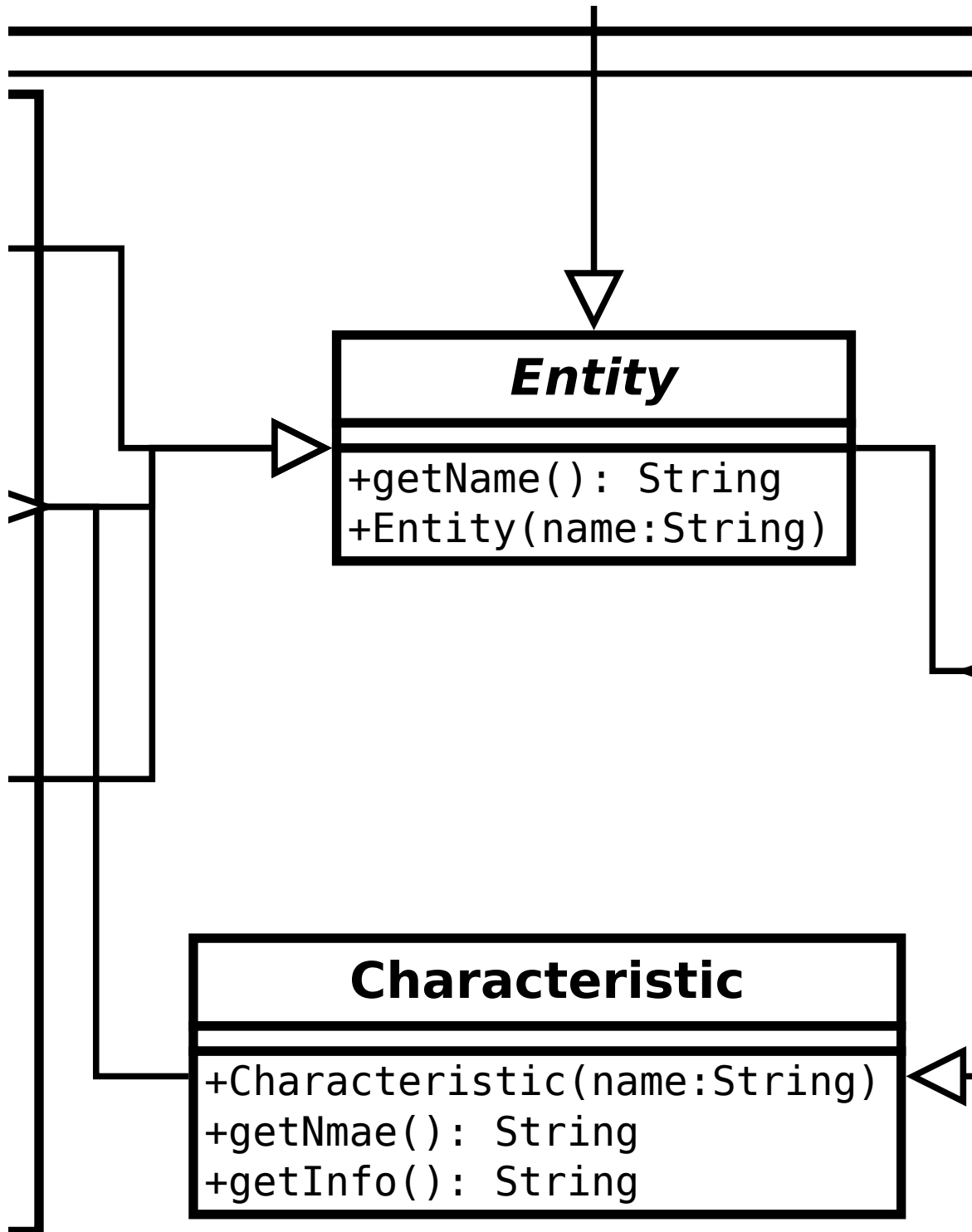
```
em> ,
```

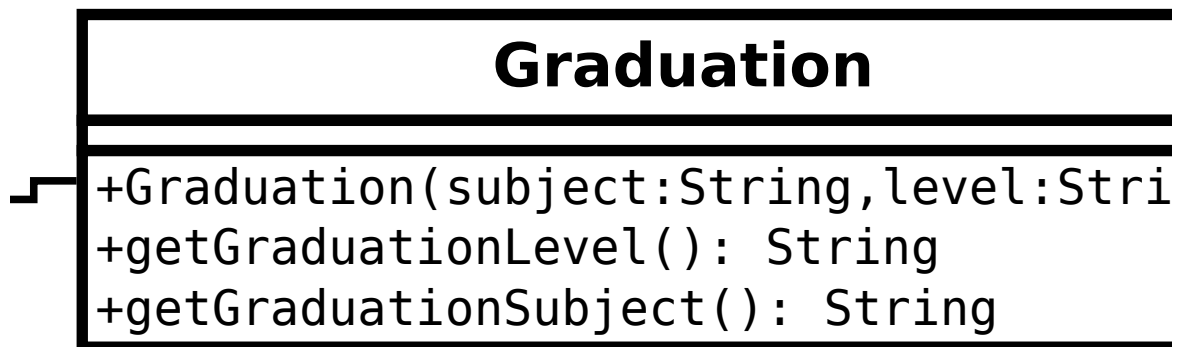
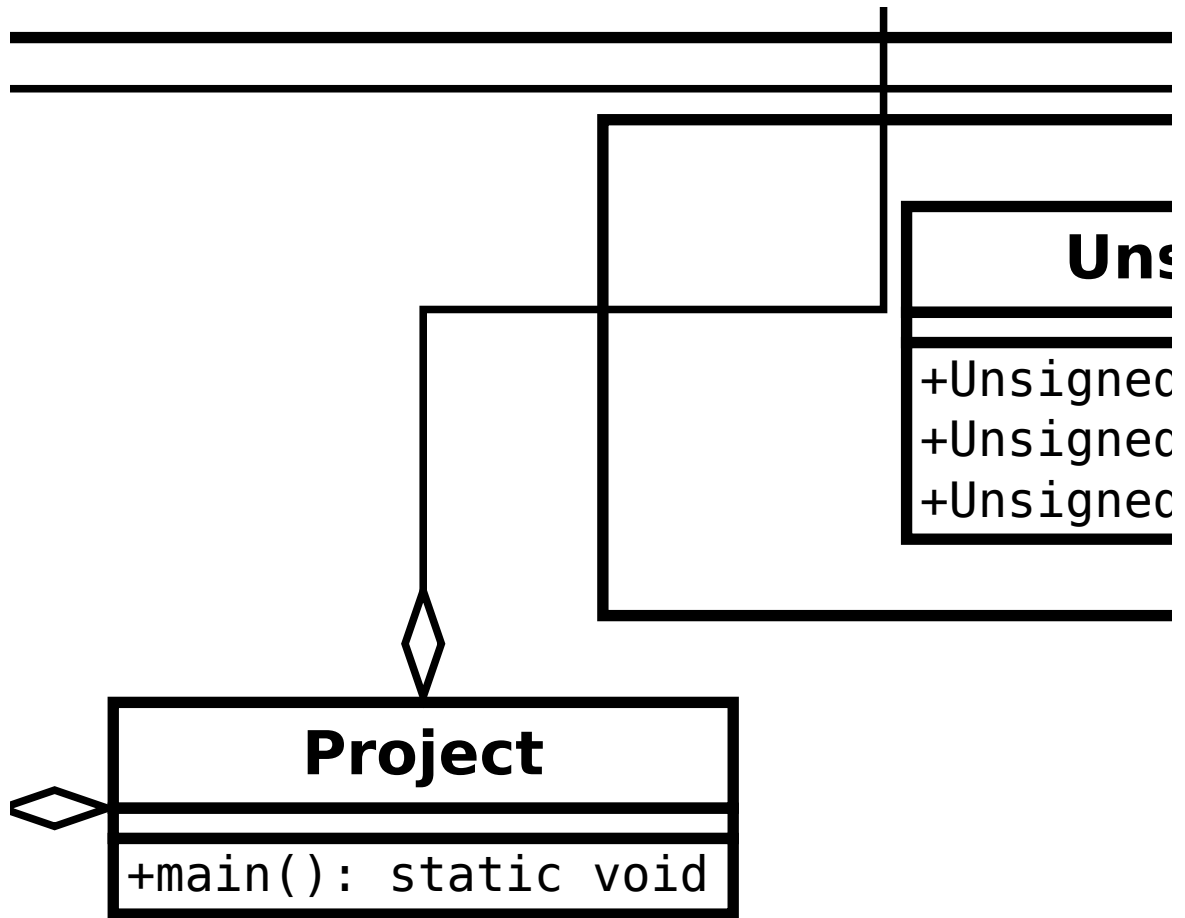
```
/stems>): AstronomicalSystem
```

```
/stem>): AstronomycalSystem
```









signedException

```
!Exception(value:double)  
!Exception(value:float)  
!Exception(value:int)
```

ng)