

USING ASSOCIATION

Simple to complex

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SIMPLE ASSOCIATION: **GENERIC EXAMPLE**

{

}

{

}



```
void foo::f2()
                           void foo::f1()
    b->b1();
                               ...foo_data...
                           }
void bar::b2()
                           void bar::b1()
    f->f1();
                               ...bar_data...
                           }
```

SIMPLE ASSOCIATION: **GENERIC EXAMPLE**

{

}

{

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```
void foo::f2()
                           void foo::f1()
    b->b1();
                               ...foo_data...
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void bar::b2()
                           void bar::b1()
    f->f1();
                               ...bar_data...
                           }
```



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COMPLEX BUT TYPICAL ASSOCIATION



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COMPLEX BUT TYPICAL ASSOCIATION



UML SEQUENCE DIAGRAMS







SCENARIO I: MAKING AN ILLEGAL MOVE





SCENARIO 2: Making a legal move



SCENARIO 3: RECEIVING A MOVE

ASSOCIATION ERROR: INFINITE CYCLE

```
class contractor
class project
{
                                                  {
    private:
                                                      private:
         string
                       title;
                                                           string
                                                                     name;
         contractor*
                                                           project* p;
                       С;
    public:
                                                      public:
        void display
                                                          void display()
         {
                                                           {
             cout << title << endl;</pre>
                                                               cout << name << endl;</pre>
             c->display();
                                                               p->display();
         }
                                                           }
};
                                                  };
```