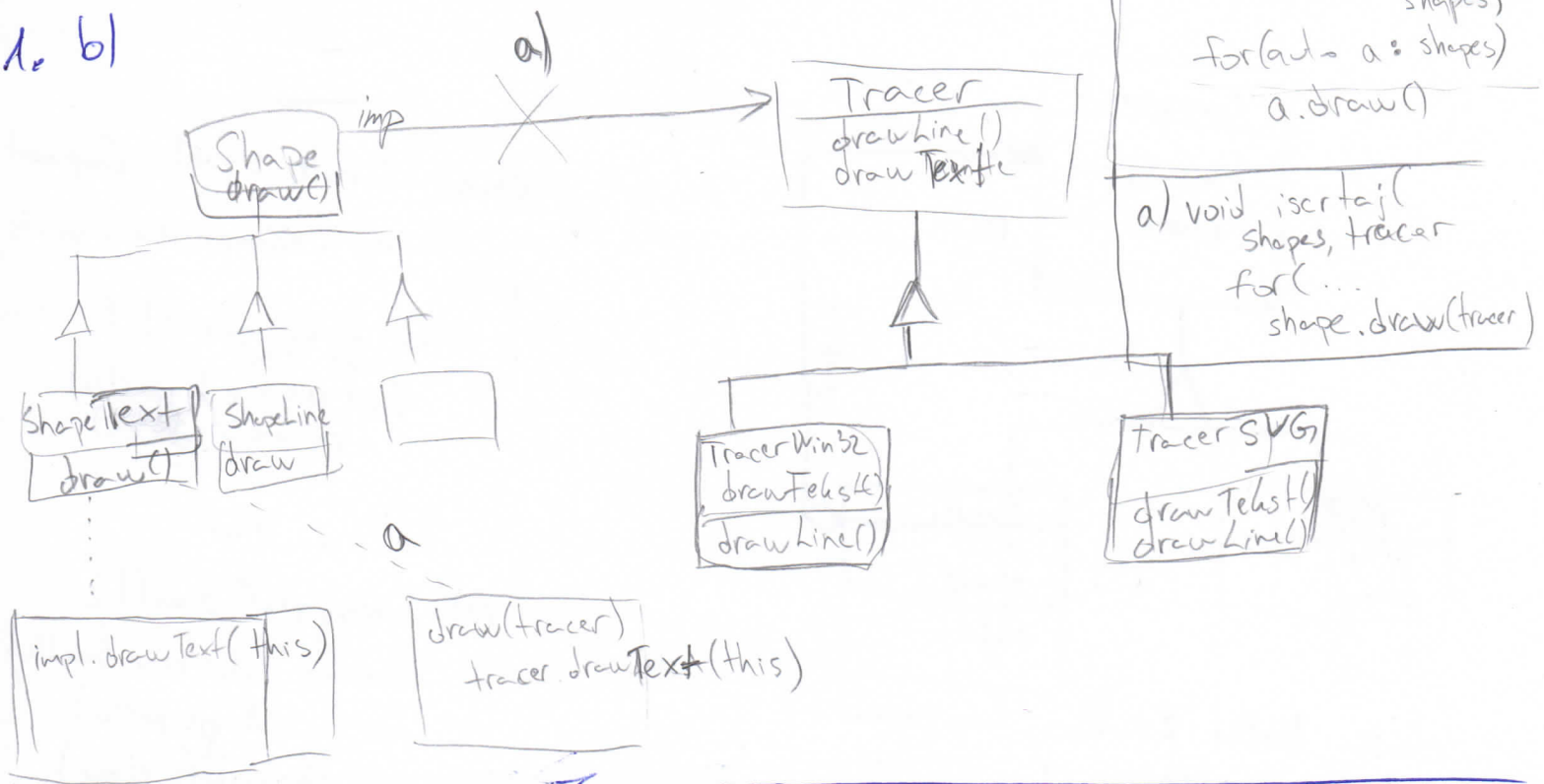


Rok 2012.

1. b)



b)

```

void insertaj(vector<Shape*> & shapes)
for(auto & a : shapes)
    a.draw()
  
```

a) void insertaj(shapes, tracer
for(...
shape.draw(tracer)

a)

pseudo za a) slučaj:

```

class Shape {
    virtual void draw(Tracer* t) = 0;
};

class ShapeText : public Shape {
    draw(Tracer* t) {
        t->drawText(*this);
    }
};
  
```

```
classDiagram
    class Component {
        price()=0
        clone()=0
    }
    class Bundle {
        price
        clone()
        add()
    }
    Bundle --> Component : parts
```

```

        }
        Mob mbo = new Mob(price, sachet);
        return mbo;
    }
}

```

```

class Bundle : public Component {
public:
    std::vector<Component*> parts;

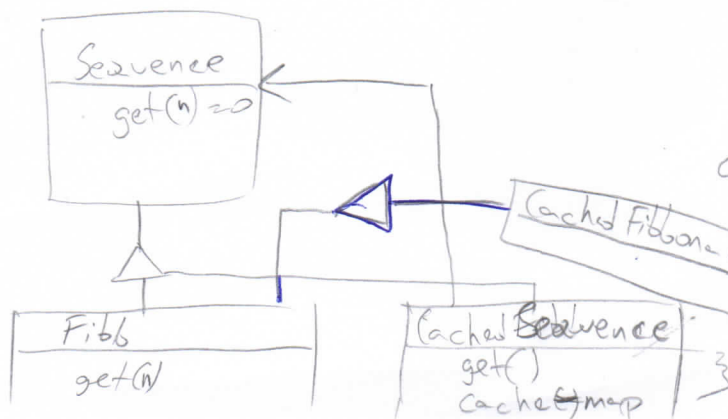
    virtual double price() {
        double rw;
        for (auto c : parts)
            rw += c.price();

        return rw;
    }

    virtual Component* clone() {
        Bundle* pb = new Bundle;
        for (auto & p : parts)
            pb->add(p.clone());
        return pb;
    }
};

```

3.	fibb(0)	0								
	fibb(1)	1								
	fibb(2)	2	1	0						
	fibb(3)	3	2	1	0	1				
	fibb(4)	4	3	2	1	0	1	2	1	0
	fibb(5)	5	4	3	2	1	0	1	2	1



```

class Cachad Sequence
public: Sequence
    Sequence seq;
    map<int, int> cached;
    virtual int get(int n) {
        auto it = cached.find(n);
        if (it == cached.end()) {
            int ru = seq.get(n);
            cached.insert(make_pair(n, ru));
            return ru;
        }
    }
}

```

```

class Sequence {
public:
    virtual int get(int n) = 0;
}

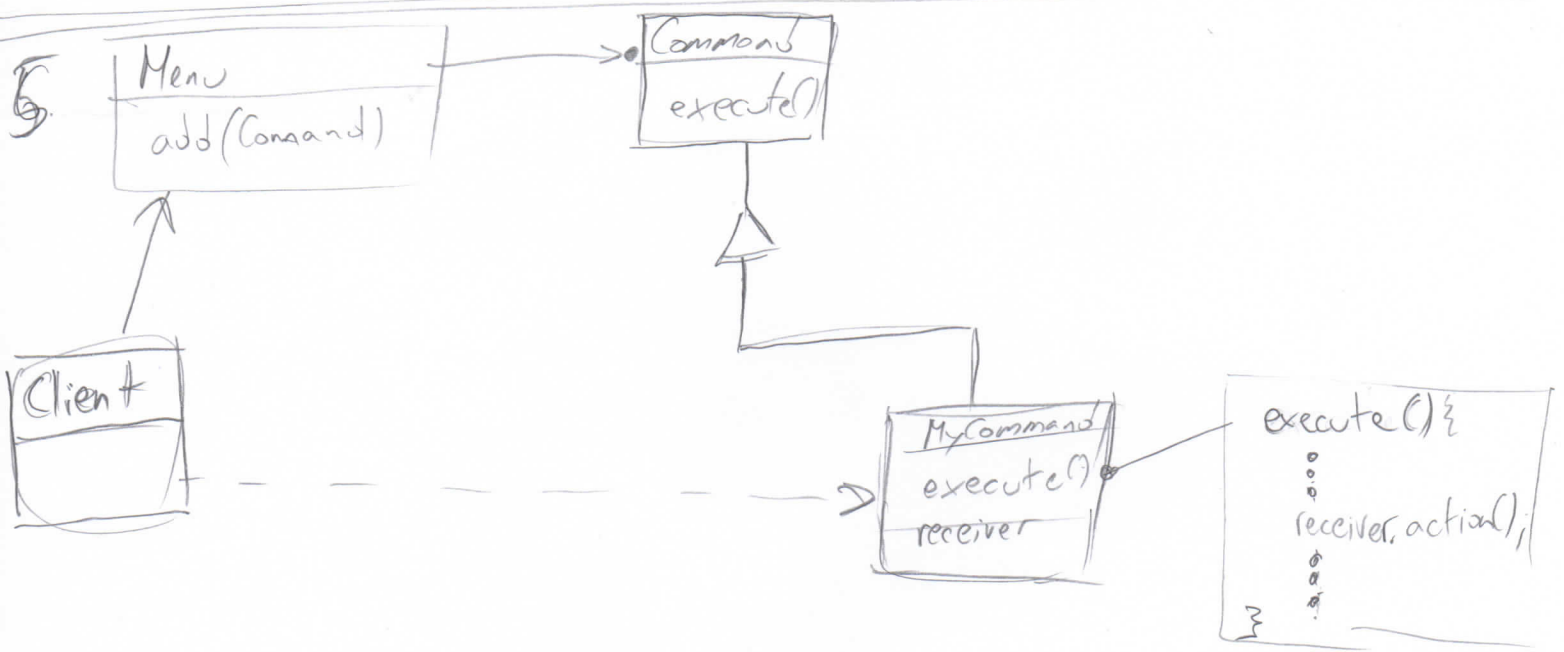
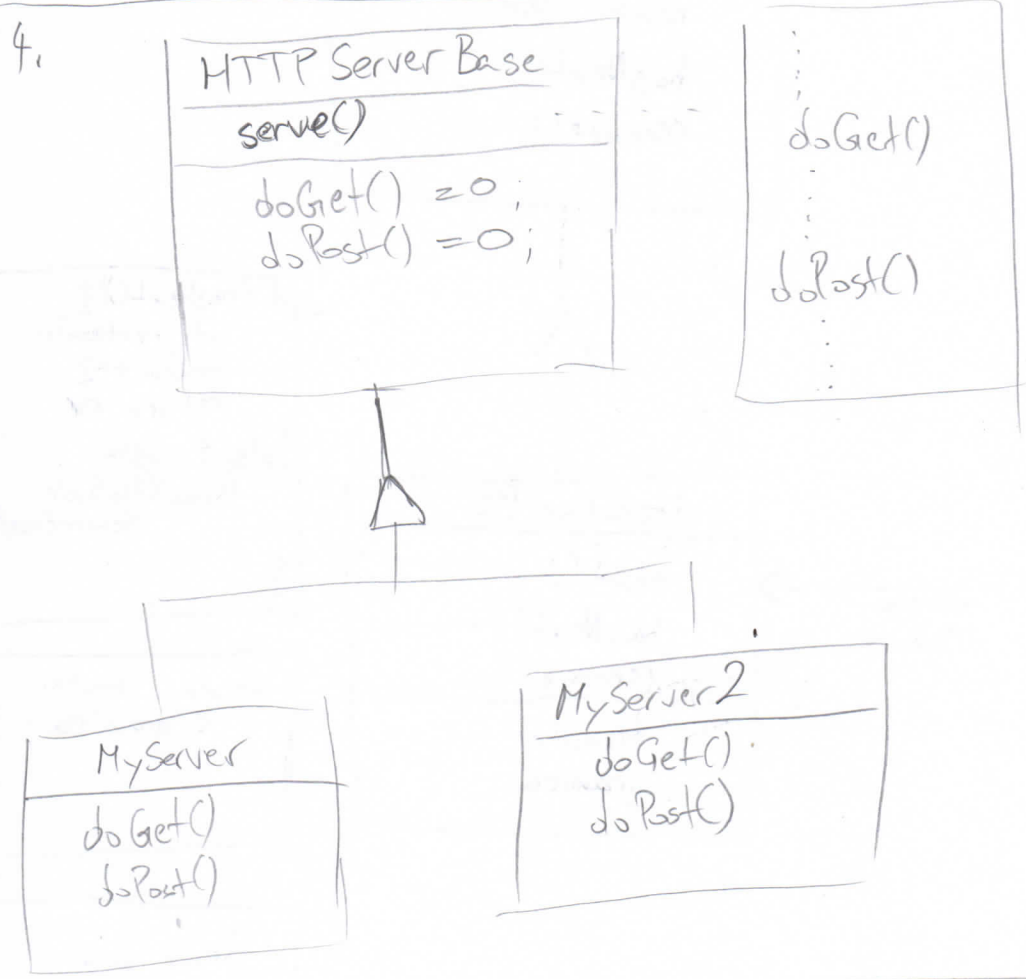
class Fibb : public Sequence {
    virtual int get(n) {
        return get(n-1) + get(n-2);
    }
}

```

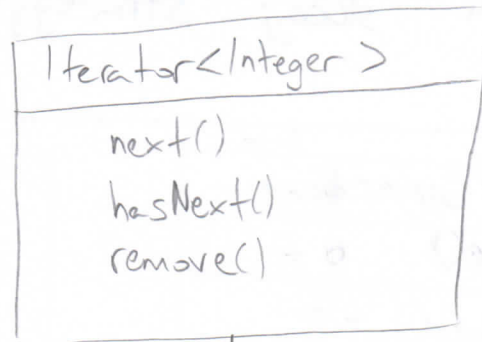
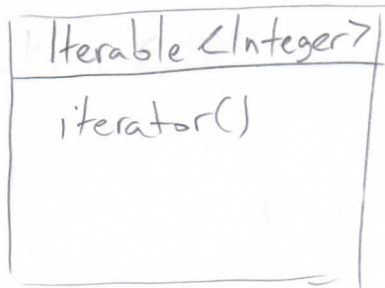
File: set \rightarrow method to be overridden

naredba

-specijalni slučaj strategije jer ima samo jednu metodu



6. ROK 2012.



metoda
Travnica



```
if (hasNext()) {
    int rv = trenutni;
    trenutni += 2;
    return rv;
} else {
    new NoSuchElementException();
}
```

```
return trenutni < granica;
```

```
throw ...
```

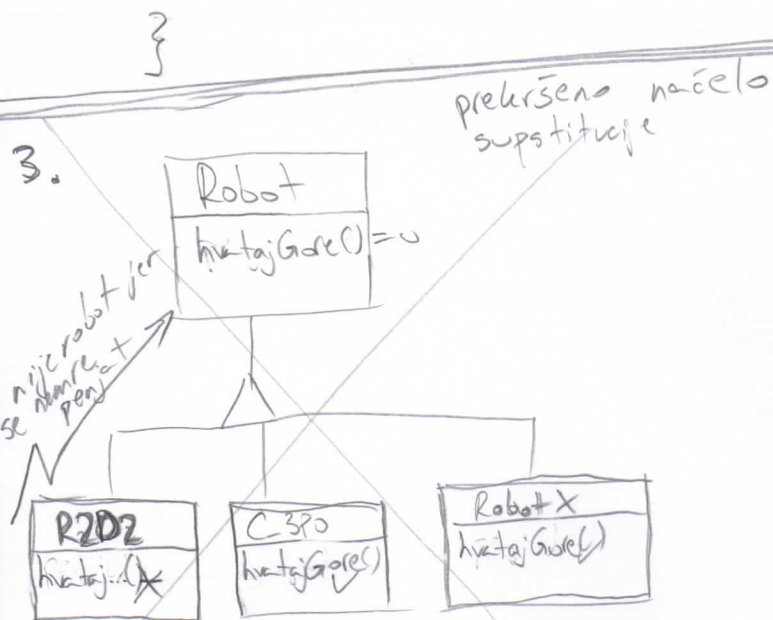
1.11 2013.

2. a) class Comparator {
virtual bool compare(int, int) = 0
}

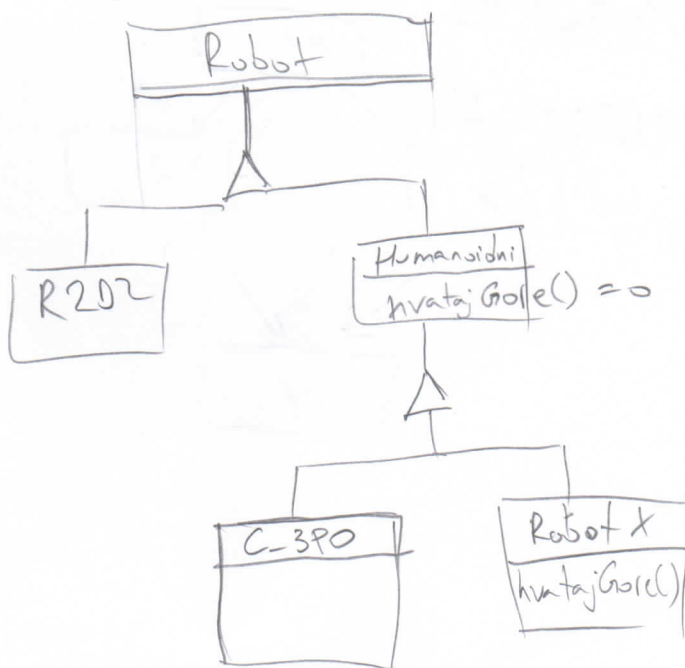
void poredaj(std::vector<int> & L, Comparator & cmp) {
...
if (cmp.compare(L[j], L[min-j])) {
...
}

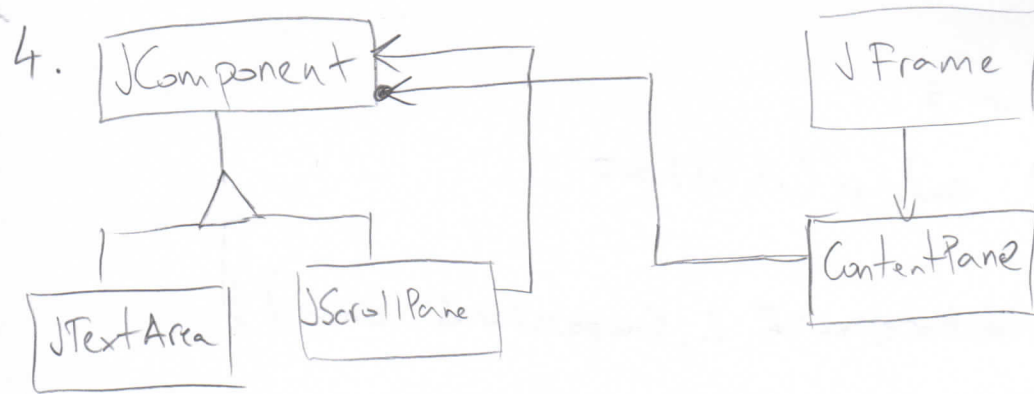
b) def poredaj(L, cmp):
...
if cmp(L[j], L[min-j]):
...

c) template<typename T, typename Comparator>
void poredaj(std::vector<T> & L, Comparator & cmp) {
...
}

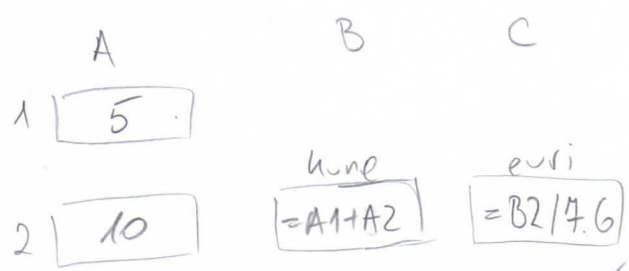


NOVA ORGANIZACIJA:



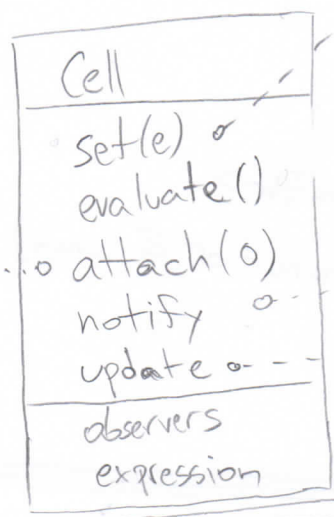


5.



expression = c
update()
for s in getRefCells(c)
s.attach(self)

observers.add(o)



evaluate()
notify()

for o in observers
o.update()

6. METODA TVORNICI

OVISNOSTI:

