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Overview - Gnafuy

Gnafuy is a **mobile computing framework** for building highly concurrent, distributed, and resilient message-driven applications with the following feature:

- Simple Concurrency & Distribution
- Generality
- Ease of Use
- Crowdsourcing
Gnafuy

- **code**
- **task1**
- **task2**
- **task3**

- **result1**
- **result2**
- **result3**

- **result**

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**Resource**

**Split Alg**

**Mapper**

**Reducer**
Scenario - Online Voting

- International Saimoe League
Pattern applied - Fire and forget

```java
val voteForYuki = new VoteForYuki
    implements FireAndForget() {
        @Override
        public void fire() {
            //open browser,
            //vote for Yuki
        }
    }

Gnafuy.resource(Empty).map(
    task = voteForYuki,
    expectedNumber = 200,
    payment = 5000,
    defaultPic = "lovelyYuki.png"
)
```
val voteForDavis = new VoteForDavis implements FireAndForget with Auth {
    @Override
    public void fire() {
        //open browser,
        auth()
        //vote for Davis
    }
    @Override
    public void auth() {
        name = readName()
        password = readPassword()
        verify(name, password)
    }
};
Pattern applied - SoLoMo

Ballyhoo

```java
val ballyhoo = new Ballyhoo
    implements FireAndForget
    with RequiredLocation
    with RequiredDate {
        @Override
        public void fire() {//send a request to Gnafuy}
        @Override
        public boolean location() {
            ((Location(55,66) + 1 miles)
                includes this.gpsLoc
        }
        public boolean date() {
            new Date(2015/01/17) +- 5 minutes
                includes this.time
        }
    }
}
```
Pattern applied - SoLoMo

Gnafuy.map(
    task = ballyhoo,
    expectedNumber = 5000,
    payment = Payment.unlimited,
    defaultPic = "5566.png",
    location = Location(55,66),
    interval = Interval(
        start = 2015/01/17 18:00,
        interval = 5 minutes
    )
)
Pattern applied – Classical Map Reduce

Subtitle translation

I am batman.

This is a pen.

This is a book.

Anyway, I am batman.

0:00-15:00

15:00-30:00

30:00-45:00

45:00-60:00
Pattern applied – Map Reduce with correction

(No subtitle) * 1
(No subtitle) * 1
(No subtitle) * 1

Master of WJWang

WJWang's debut * 5

Gnafuy

Correction