

sysvm - java virtual machine implemented in C++

Milestones and plans:

First milestone:

- ☐ .class files parser
- ☐ simple VM that implements subset of spec(no native methods)

Criteria: Examples of programs that should be executed correctly:

```
class HelloVM {
    public static void main(String[] args) {}
}

class Factorial {
    public static void main(String[] args) {
        factorial(5);
    }
    public int factorial(int n) {
        if (n <= 2) {
            return n;
        }
        return n * factorial(n - 1);
    }
}
```

Second milestone:

- ☐ Garbage collector(single-threaded)
- ☐ native methods

Criteria: Infinite loop doesn't throw OOM exception;

Third milestone:

- ☐ Parallel GC
- ☐ Overall improvements across the board