- conf.js

```
module.exports = {
    db: {
        url:"mongodb://localhost:27017/test",
        options: { useNewUrlParser: true }
    }
}
```

- model/user.js

-

- 通用路由 + 通用中间件

```
module.exports = {
    schema: {
        mobile: { type: String, required: true },
        realName: { type: String, required: true },
    }
}
```

- index.js

```
const Koa = require('koa')
const app = new Koa()

const port = 3000
app.listen(port,() => {
    console.log(`app started at port ${port}...`)
})
```

- // framework/loader.js

```
const fs = require('fs')
const path = require('path')
const mongoose = require('mongoose')

function load(dir, cb) {
    // 获取绝对路径
    const url = path.resolve(__dirname, dir)
    const files = fs.readdirSync(url)
    files.forEach(filename => {
```

```
        // 去掉后缀名
        filename = filename.replace('.js', '')
        // 导入文件
        const file = require(url + '/' + filename)
        // 处理逻辑
        cb(filename, file)
    })
}

const loadModel = config => app => {
    mongoose.connect(config.db.url, config.db.options);
    const conn = mongoose.connection
    conn.on("error", () => console.error("连接数据库失败"))
    app.$model = {}
    load('../model', (filename, { schema }) => {
        console.log('load model: ' + filename, schema)
        app.$model[filename] = mongoose.model(filename, schema)
    })
}

module.exports = {
    loadModel
}
```

- 通过loader加载数据模型

```
// index.js
// 初始化数据库
const config = require('./conf')
const {loadModel} = require('./framework/loader.js')
loadModel(config)(app)
```

/framework/router.js

```
const router = require('koa-router')()
const {
    init, get, create, update, del,list
} = require('./api')

router.get('/api/:list/:id', init, get)
router.get('/api/:list', init, list)
router.post('/api/:list', init,create)
router.put('/api/:list/:id', init, update)
router.delete('/api/:list/:id', init, del)


module.exports = router.routes()
```

api/user/ crud

/framework/api.js

```javascript
module.exports = {
    async init(ctx, next) {
        console.log(ctx.params)
        const model = ctx.app.$model[ctx.params.list]
        if (model) {
            ctx.list = model
            await next()
        } else {
            ctx.body = 'no this model'
        }
    },

    async list(ctx) {
        ctx.body = await ctx.list.find({})

    },
    async get(ctx) {
        ctx.body = await ctx.list.findOne({ _id: ctx.params.id })

    },
    async create(ctx) {
        const res = await ctx.list.create(ctx.request.body)
        ctx.body = res
    },
    async update(ctx) {
        const res = await ctx.list.updateOne({ _id: ctx.params.id },
ctx.request.body)
        ctx.body = res
    },
    async del(ctx) {
        const res = await ctx.list.deleteOne({ _id: ctx.params.id })
        ctx.body = res
    },
    async page(ctx) {
        console.log('page...', ctx.params.page)
        ctx.body = await ctx.list.find({})/*  */
    },
}
```

- 加载路由

```
const bodyParser = require('koa-bodyparser')
app.use(bodyParser())
app.use(require('koa-static')(__dirname + '/'))
const restful = require('./framework/router')
app.use(restful)
```