

- 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

```
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)
```

