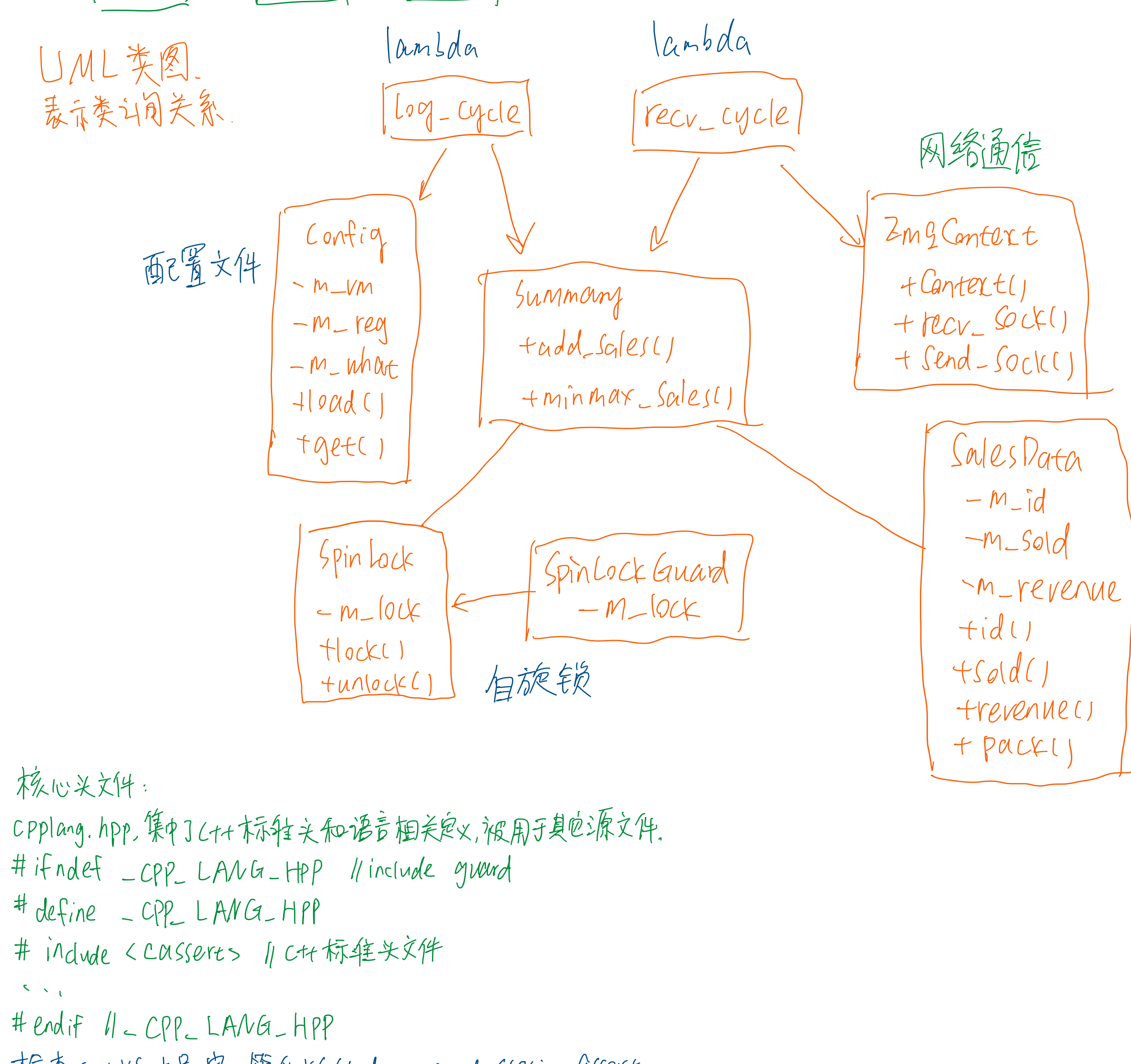


Morden cpp note — bookstore project

Saturday, December 12, 2020 1:57 PM

书店项目：销售记录管理，从多个渠道把书号，销售册数，销售金额汇总。
做个统计分析，再把数据定期上报到后台。



核心头文件：

cpplang.hpp, 集中了C++标头文件和语言相关定义，被用于其他源文件。

```
#ifndef _CPP_LANG_HPP //include guard
```

```
#define _CPP_LANG_HPP
```

```
#include <cassert> // C++标准头文件
```

```
...
```

```
#endif // _CPP_LANG_HPP
```

检查C++版本号，定义简化版的 deprecated, static_assert

```
// must be C++11 or later
```

```
#if __cplusplus < 201103
```

```
# error "C++ is too old"
```

```
#endif // __cplusplus < 201103
```

```
// [[deprecated]]
```

```
#if __cplusplus >= 201402
```

```
# define CPP_DEPRECATED [[deprecated]]
```

```
# else
```

```
define CPP_DEPRECATED __gnu_deprecated
```

```
#endif // __cplusplus >= 201402
```

```
# static_assert
```

```
#if __cplusplus >= 201411
```

```
# define STATIC_ASSERT(x) static_assert(x)
```

```
# else
```

```
# define STATIC_ASSERT(x) static_assert(x, #x)
```

```
# endif
```

```
...
```

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