Control

- UserType   User
+launch()

0..1

EventLibrary

-list   List
+addEvent(Event) +print()

0..1

Event

#date   Date #name   string #priority   int
+priorityCompare(int)   bool +print()

1

0..1

CommonEvent

addAttributes
addOperations

HouseHolderEvent

addAttributes
addOperations

TenantEvent

addAttributes
addOperations

1

Notification

-eventList   EventLiabrary -budgetList   BudgetLibrary -logs   vector<String>
+sendEventNotification(EventLibrary) +sendBudgetNotification(BudgetLibrary) +clearLogs() +updateLogs(String)

0..1

1

BudgetLibaray

-list   List
+addBudget(Budget) +print()

0..1

Budget

#name   String #amount   STATIC int #usage   int #StartDate   Date #endDate   Date ????? #priority   int
+priorityCompare(int)   bool +30PercentWarning(int,int,int) +10PercentWarning(int,int) +print()

Date

- time   Time - day   int - month   int - year   int
+isLeapYear(int)   bool +isEqual(Date)   bool +getLocalTime() +print()

*

1

CommonBudget

addAttributes
addOperations

HouseHolderBudget

addAttributes
addOperations

TenantBudget

(addAttributes)
(addOperations)

Time

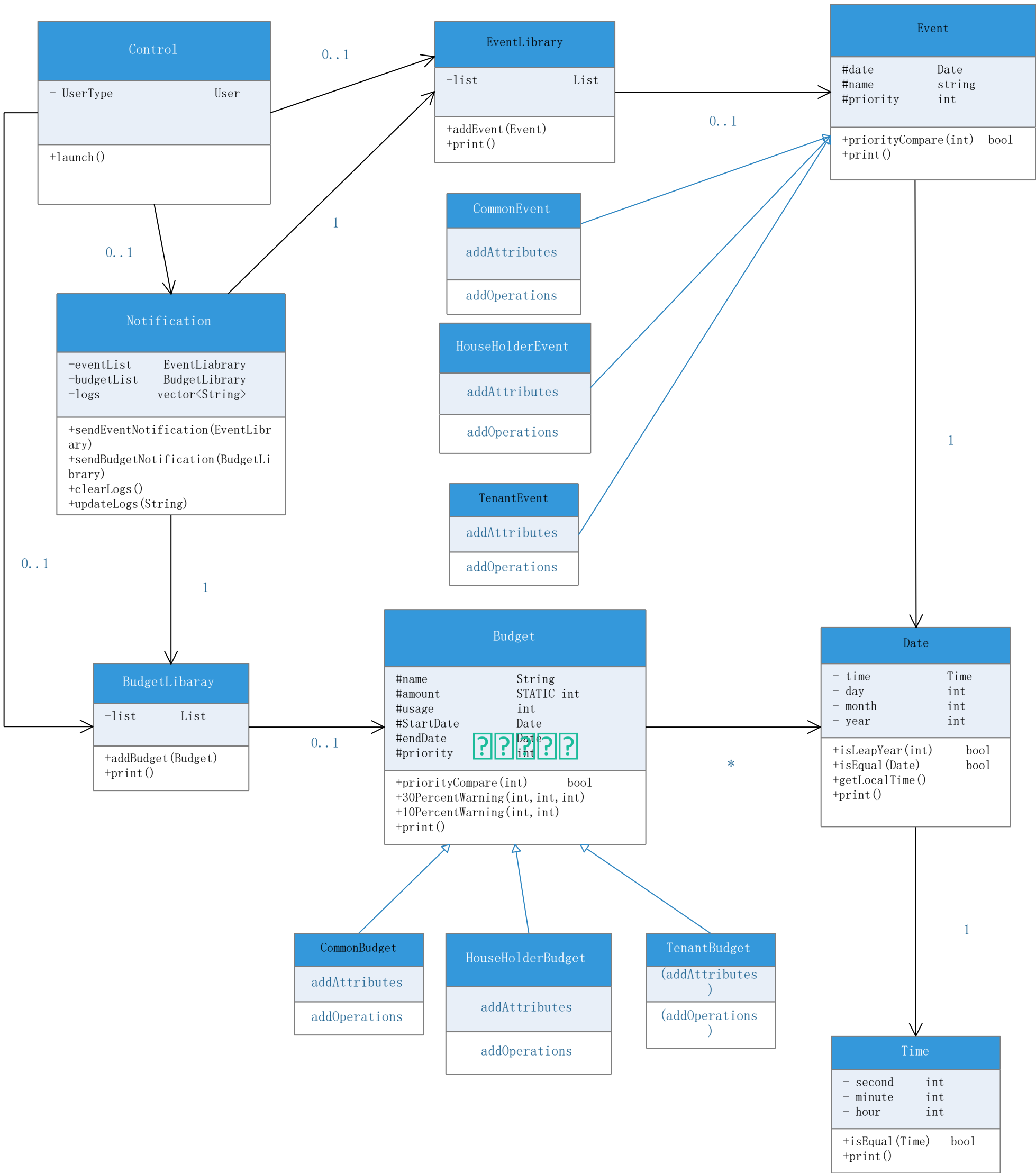| |
|---|
| - second   int
- minute   int
- hour   int |
| +isEqual(Time)   bool
+print() |

This is the version 1.0 of the UML diagram, get and set method are not included, and some extra classes will be added later.
Classes not include in this version are:List, Chart, User, Account,View.