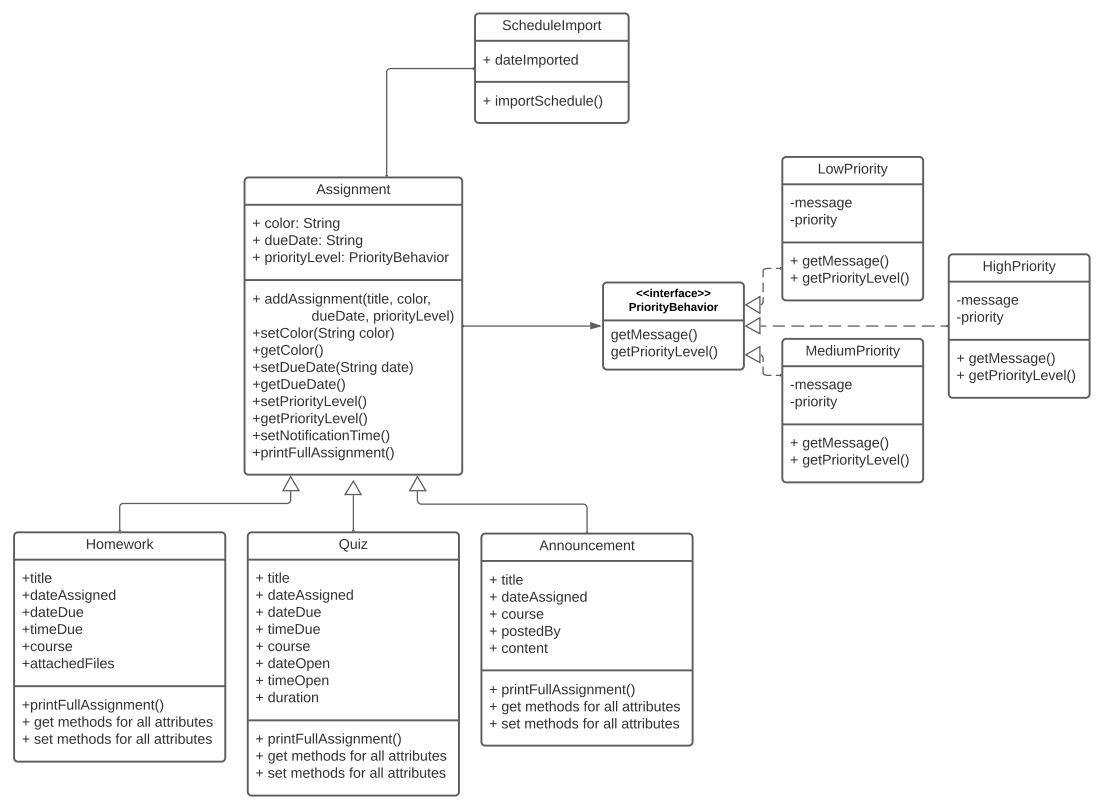
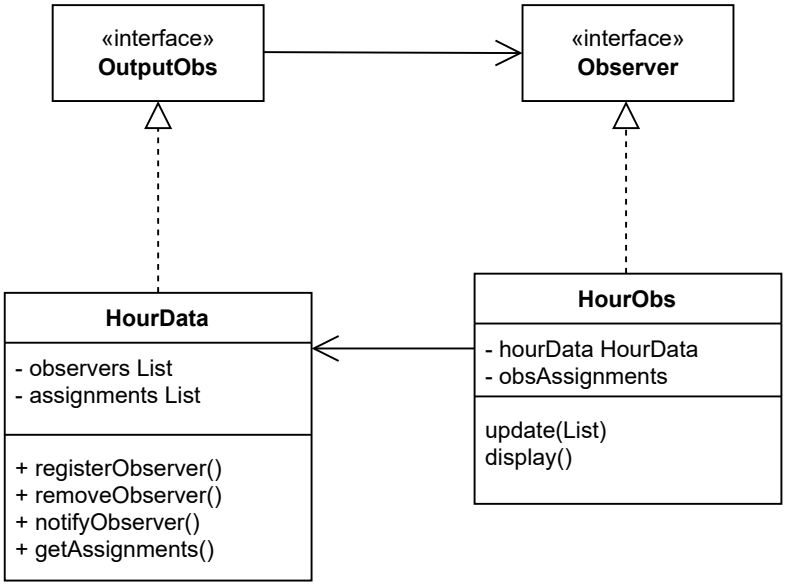
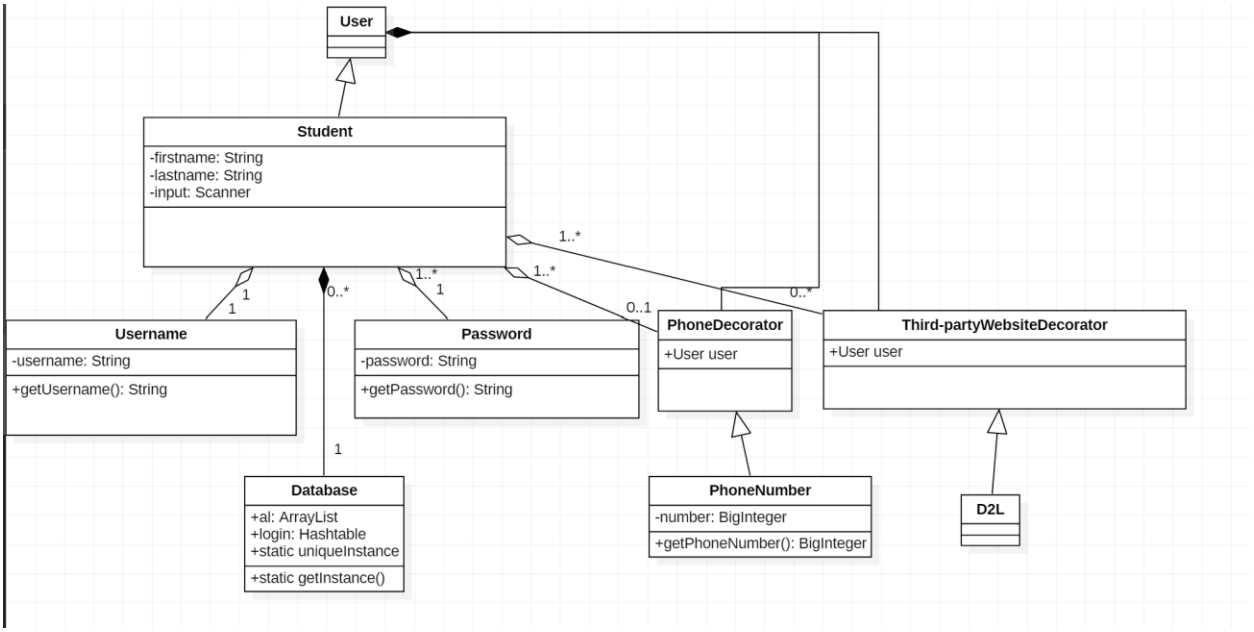

ScheduleImport
+ dateImported
+ importSchedule()
Assignment
+ color: String
+ dueDate: String
+ priorityLevel: PriorityBehavior
+ addAssignment(title, color, dueDate, priorityLevel)
+setColor(String color)
+getColor()
+setDueDate(String date)
+getDueDate()
+setPriorityLevel()
+getPriorityLevel()
+setNotificationTime()
+printFullAssignment()
<<interface>>
PriorityBehavior
getMessage()
getPriorityLevel()
LowPriority
-message
-priority
+ getMessage()
+ getPriorityLevel()
HighPriority
-message
-priority
+ getMessage()
+ getPriorityLevel()
MediumPriority
-message
-priority
+ getMessage()
+ getPriorityLevel()
Homework
+title
+dateAssigned
+dateDue
+timeDue
+course
+attachedFiles
+printFullAssignment()
+ get methods for all attributes
+ set methods for all attributes
Quiz
+ title
+ dateAssigned
+ dateDue
+ timeDue
+ course
+ dateOpen
+ timeOpen
+ duration
+ printFullAssignment()
+ get methods for all attributes
+ set methods for all attributes
Announcement
+ title
+ dateAssigned
+ course
+ postedBy
+ content
+ printFullAssignment()
+ get methods for all attributes
+ set methods for all attributes

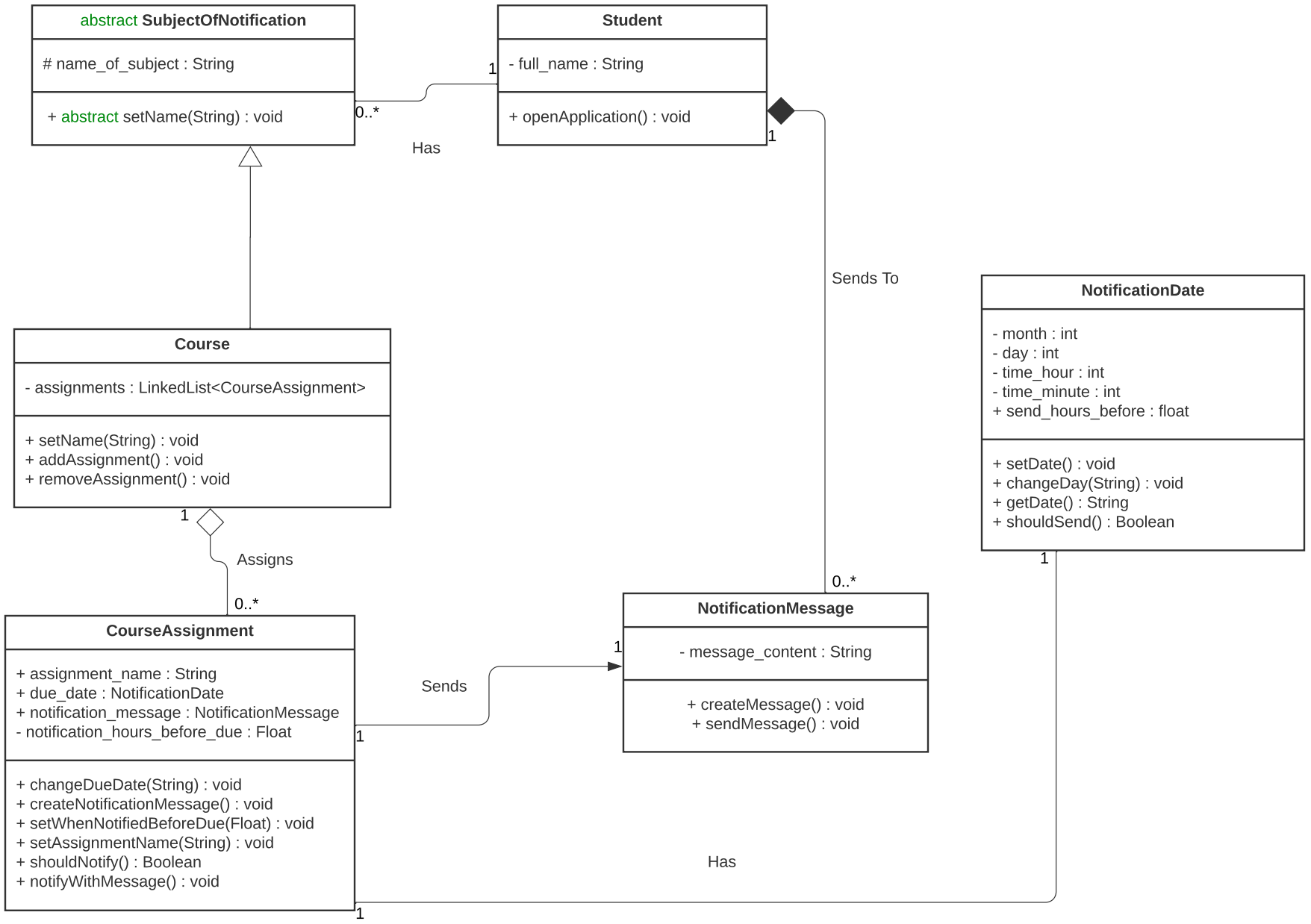

«interface»
OutputObs
«interface»
Observer
HourData
- observers List
- assignments List
+ registerObserver()
+ removeObserver()
+ notifyObserver()
+ getAssignments()
HourObs
- hourData HourData
- obsAssignments
update(List)
display()

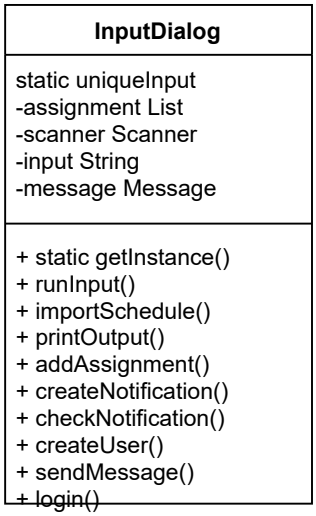
Class Diagram:

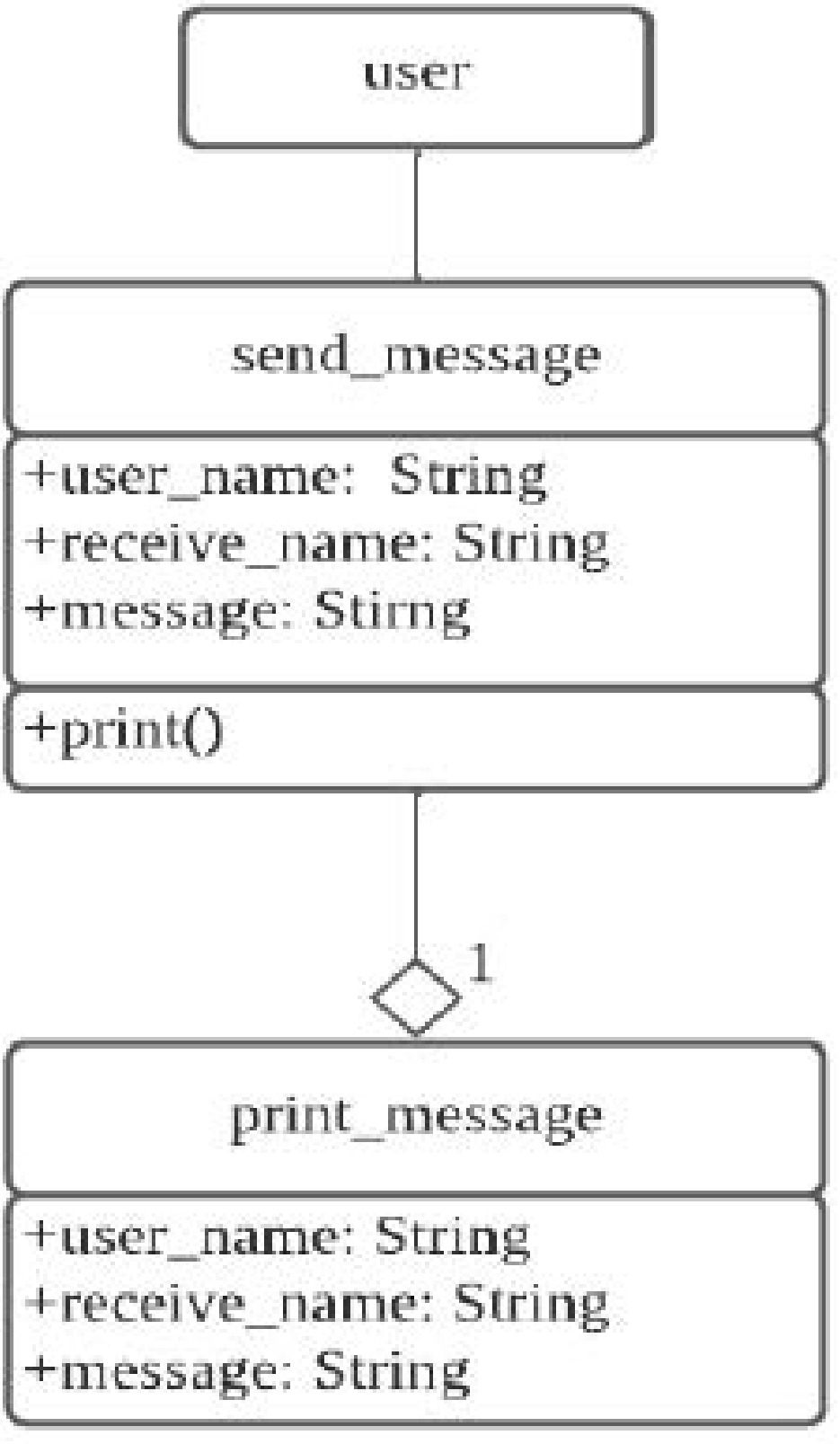


Notification Class Diagram - Strategy Design Pattern

Bryce Leighton | April 15, 2022




InputDialog
static uniqueInput
-assignment List
-scanner Scanner
-input String
-message Message
+ static getInstance()
+ runInput()
+ importSchedule()
+ printOutput()
+ addAssignment()
+ createNotification()
+ checkNotification()
+ createUser()
+ sendMessage()
+ login()


user
send_message
+user_name: String
+receive_name: String
+message: Stirng
+print()
1
print_message
+user_name: String
+receive_name: String
+message: String