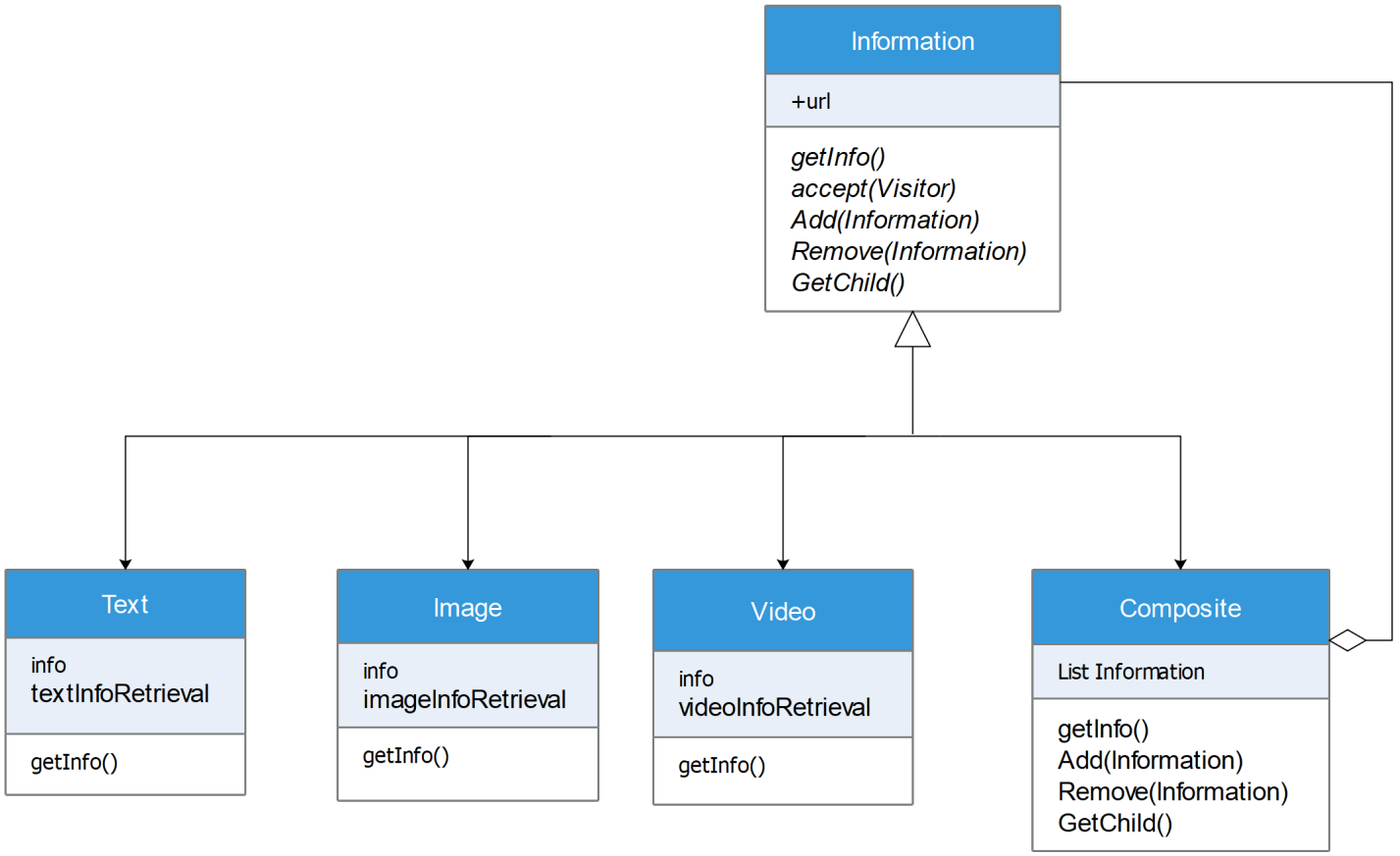
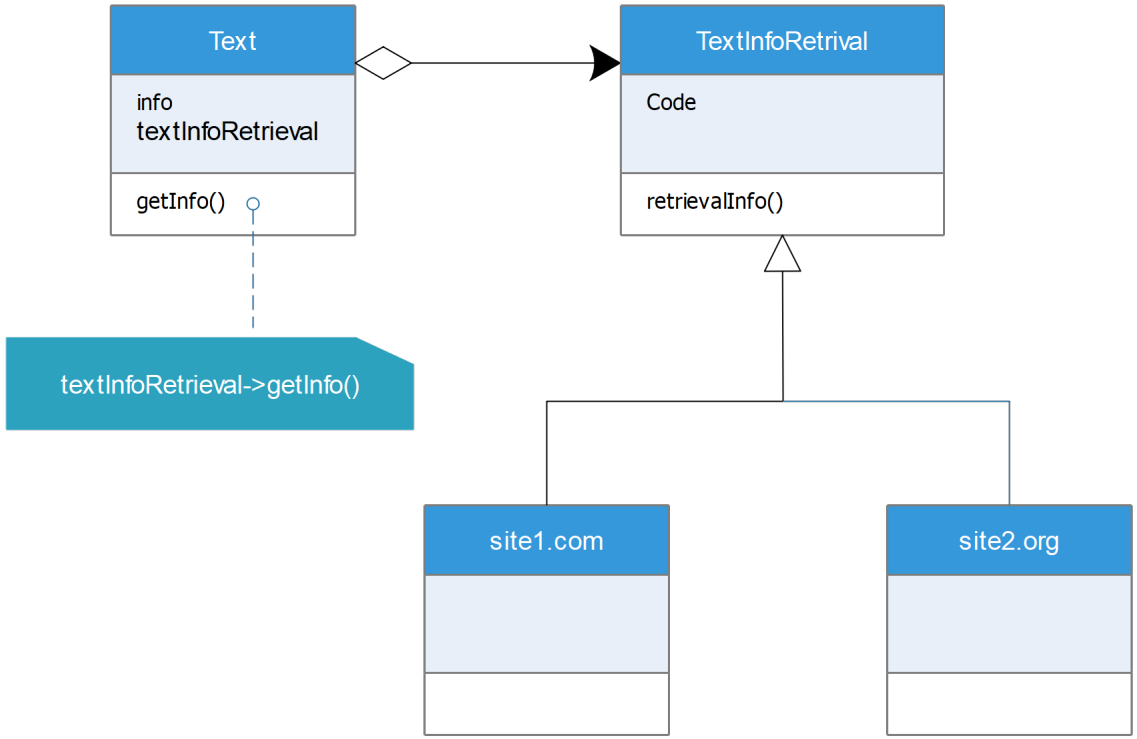

Information
+url
getInfo()
accept(Visitor)
Add(Information)
Remove(Information)
GetChild()
Text
info
textInfoRetrieval
getInfo()
Image
info
imageInfoRetrieval
getInfo()
Video
info
videoInfoRetrieval
getInfo()
Composite
List Information
getInfo()
Add(Information)
Remove(Information)
GetChild()

User
-firstName: String
-lastName: String
-username: String
-score: Int
chatId: Int
status: Bool
level: Enum
Disable()
Enable()
getLearnedVocab()
getUnlearnedVocab()
registerExam(Exam)
getUserExam()
Vocab
id: int
text: String
Information: Information
TOEFL: Bool
GRE: Bool
IELTH: Bool
getUsers()
User_Vocab
userId: Int
vocabId: Int
learned: Bool
Exam
id: Int
startTime: Time
startDate: Date
duration: Int
level: Enum
cancel()
attachUser(User)
detachUser(User)
User_Exam
userId
examId
Bot
status: Bool
sendPublicNotif()


Text
info
textInfoRetrieval
getInfo()
TextInfoRetrival
Code
retrievalInfo()
textInfoRetrieval->getInfo()
site1.com
site2.org

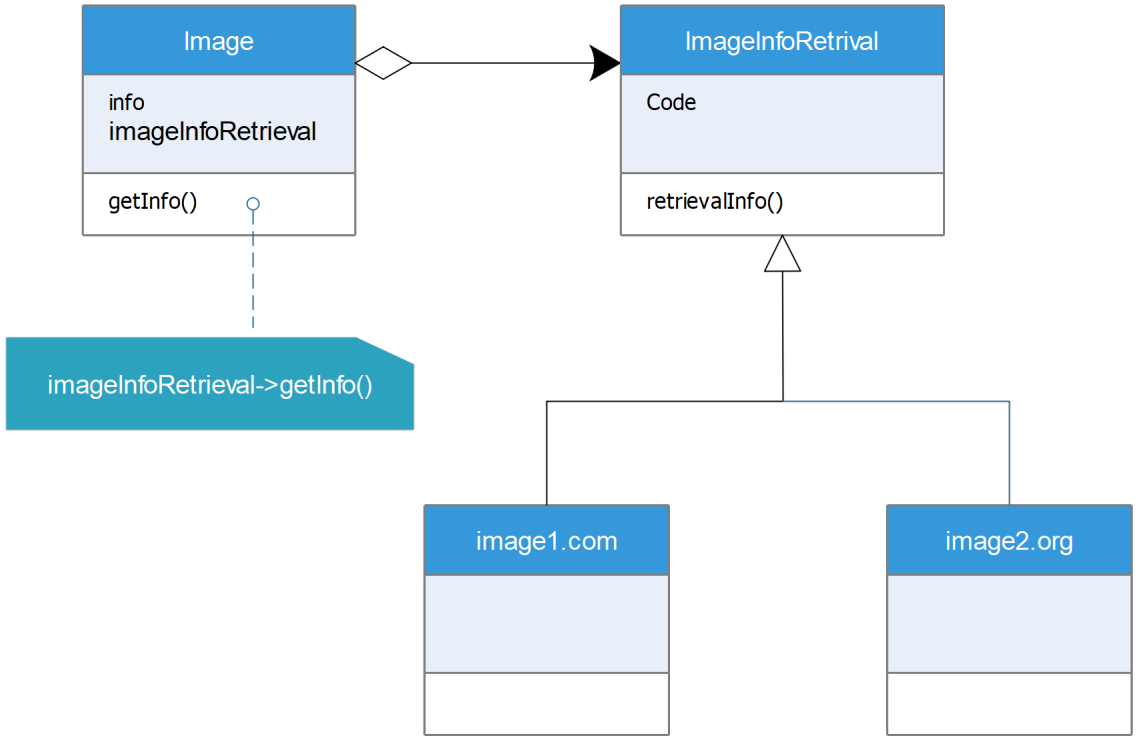
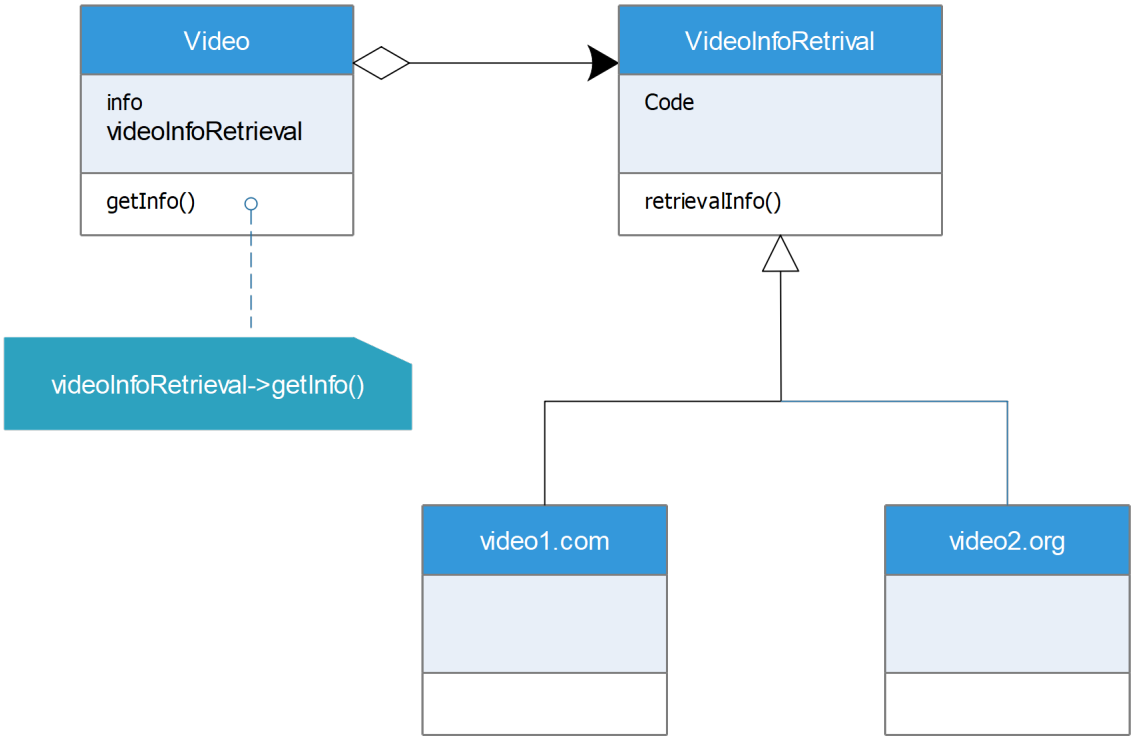
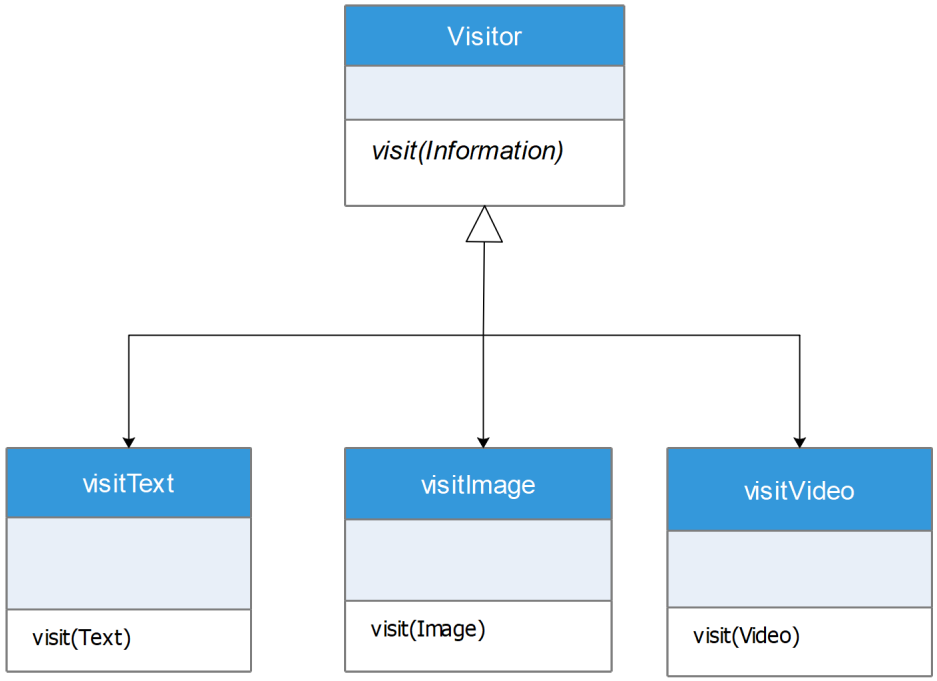
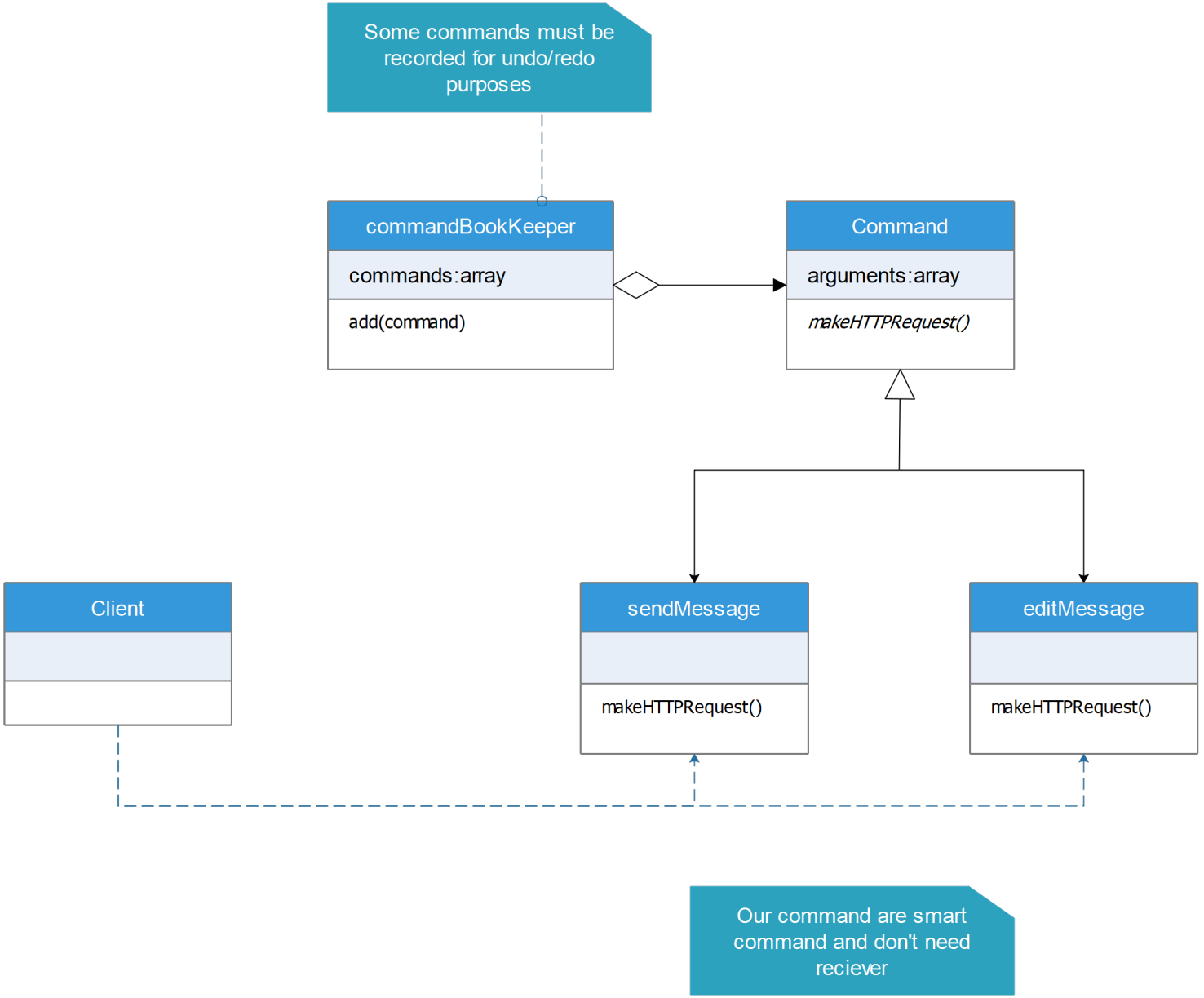
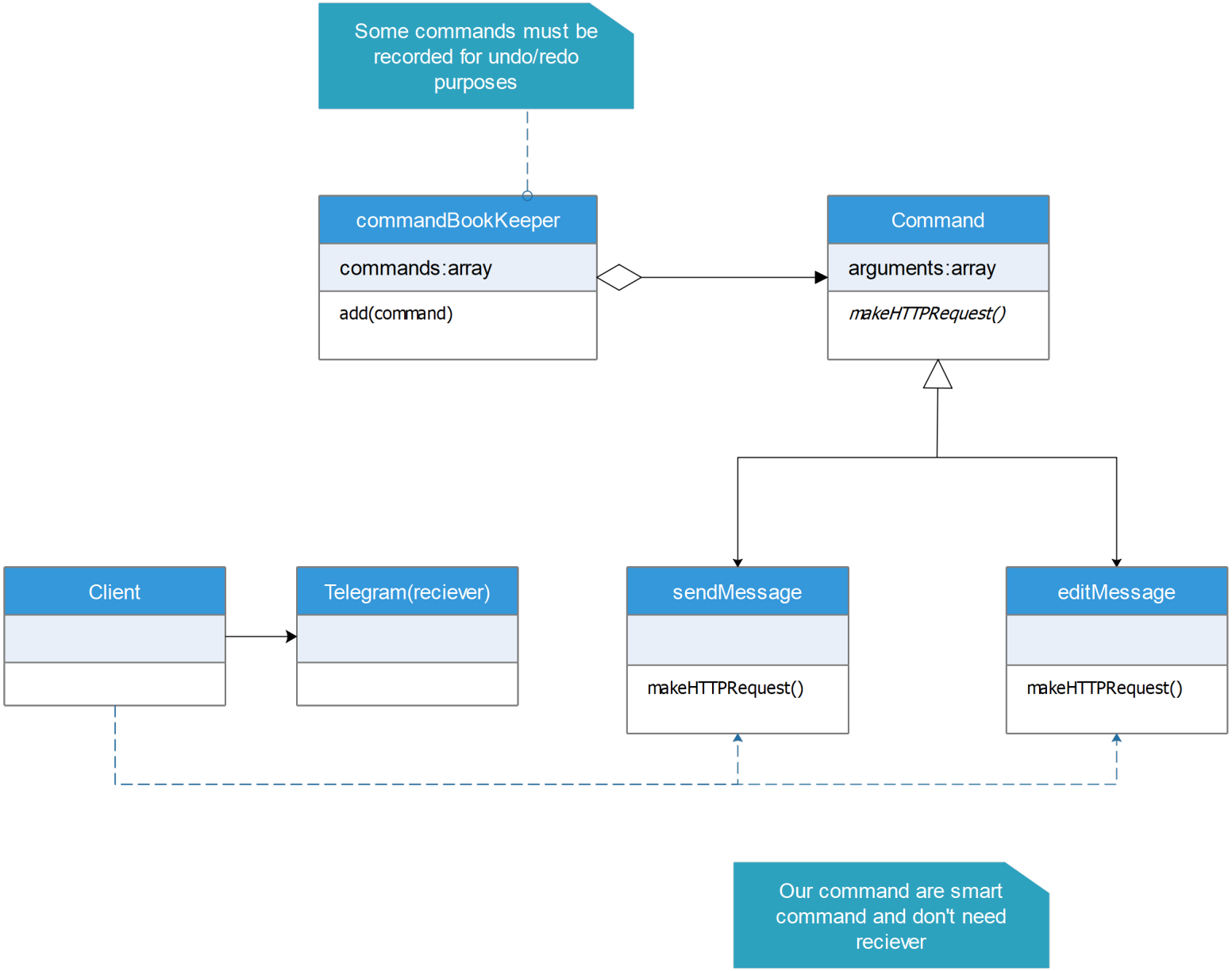


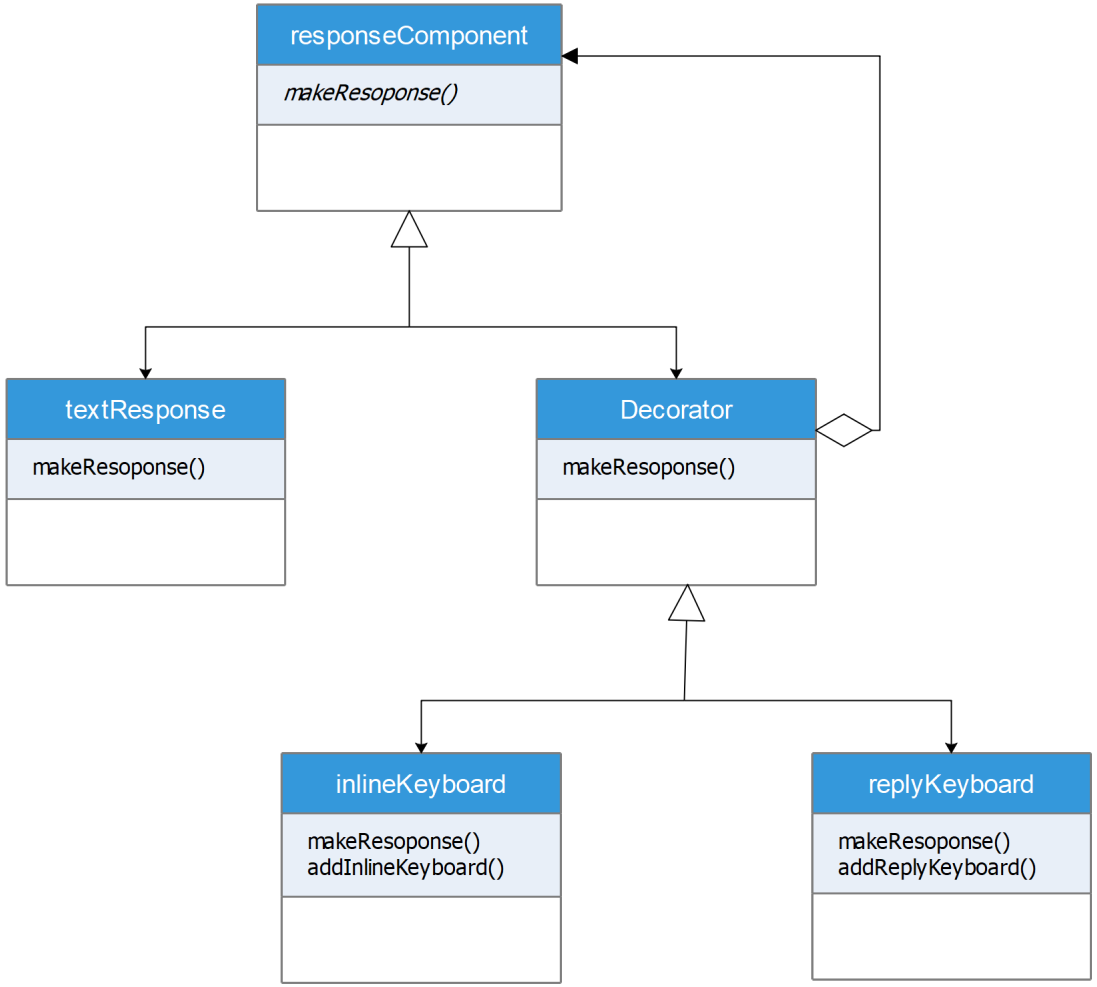
Image
info
imageInfoRetrieval
getInfo()
ImageInfoRetrival
Code
retrievalInfo()
imageInfoRetrieval->getInfo()
image1.com
image2.org

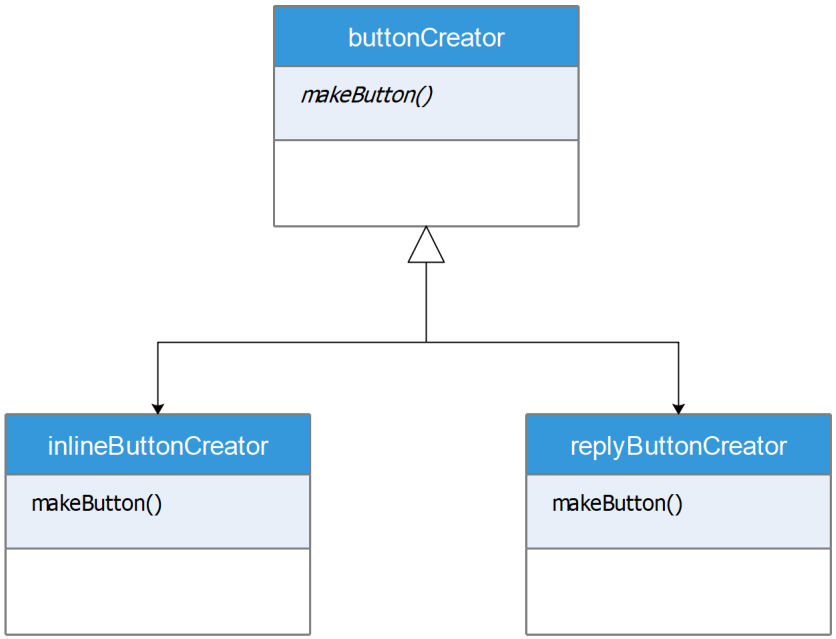

Video
info
videoInfoRetrieval
getInfo()
VideoInfoRetrival
Code
retrievalInfo()
videoInfoRetrieval->getInfo()
video1.com
video2.org

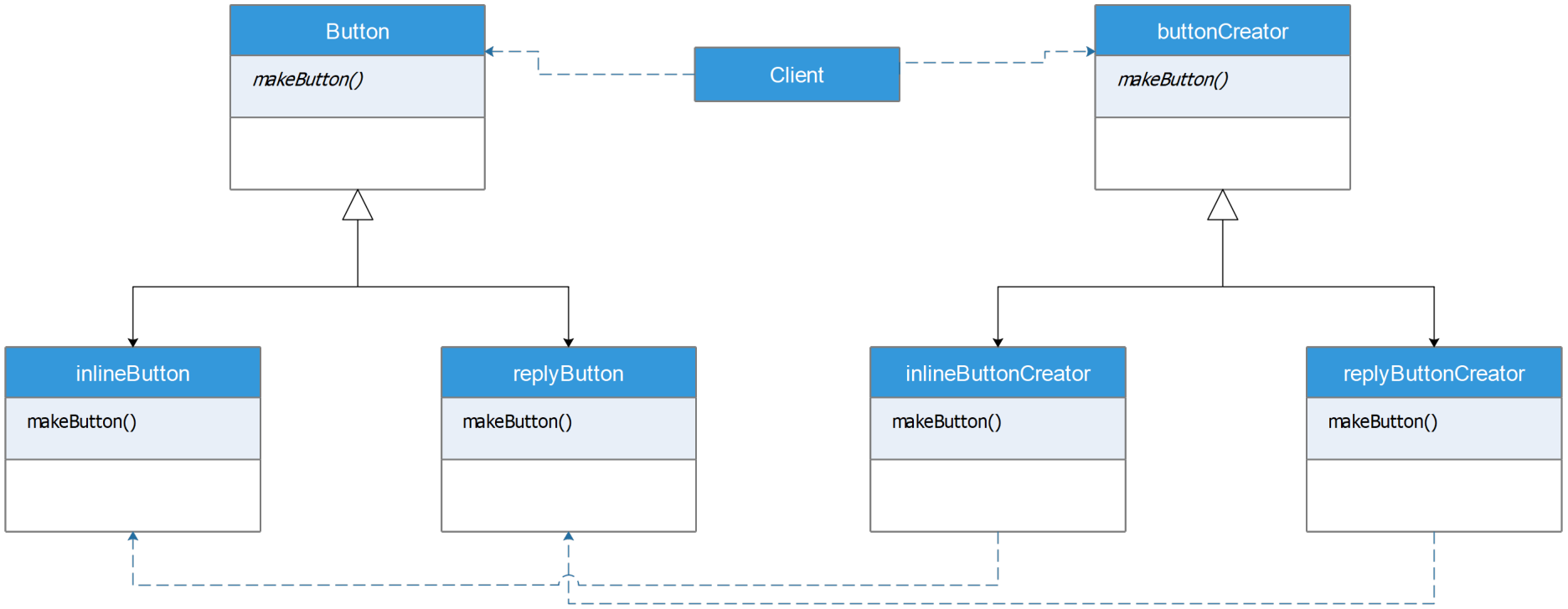

Visitor
visit(Information)
visitText
visit(Text)
visitImage
visit(Image)
visitVideo
visit(Video)

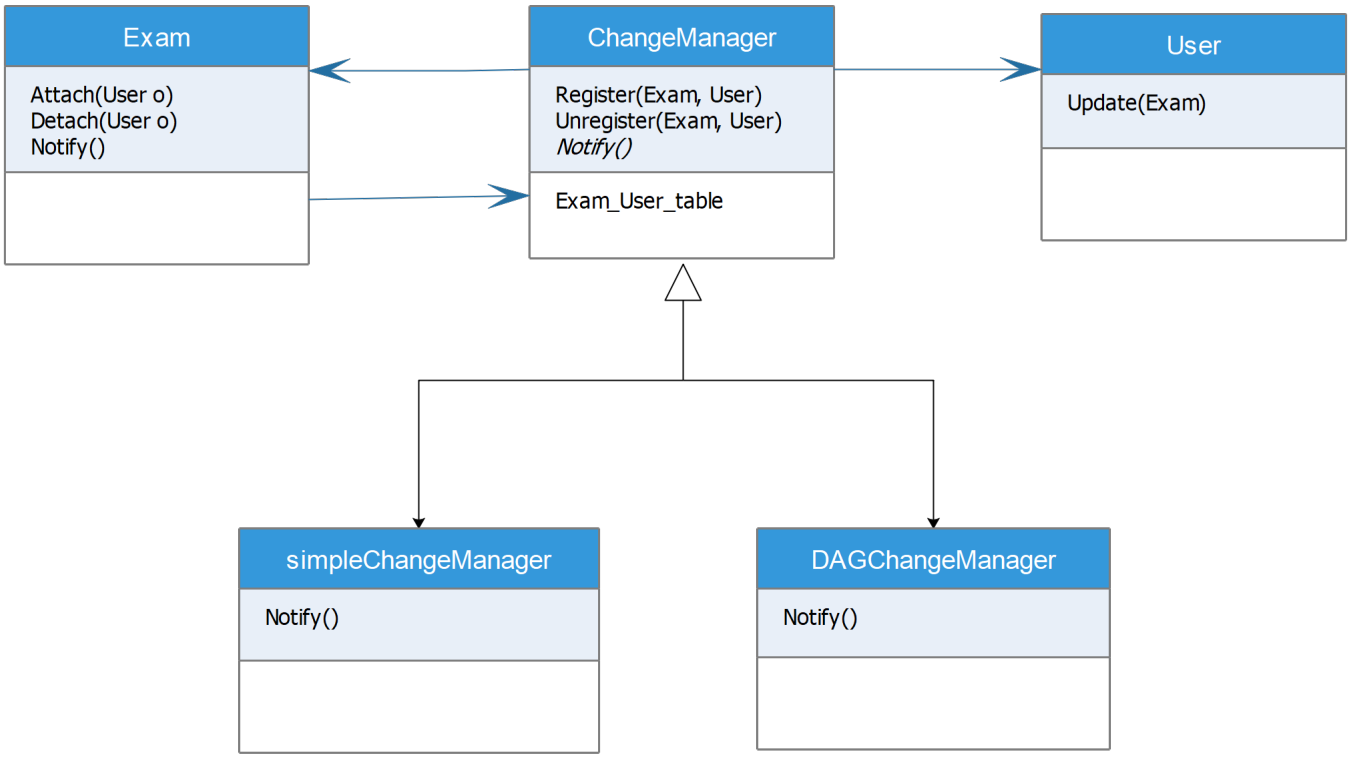

Some commands must be recorded for undo/redo purposes
commandBookKeeper
commands:array
add(command)
Command
arguments:array
makeHTTPRequest()
Client
sendMessage
makeHTTPRequest()
editMessage
makeHTTPRequest()
Our command are smart command and don't need reciever


Some commands must be recorded for undo/redo purposes
commandBookKeeper
commands:array
add(command)
Command
arguments:array
makeHTTPRequest()
Client
Telegram(reciever)
sendMessage
makeHTTPRequest()
editMessage
makeHTTPRequest()
Our command are smart command and don't need reciever


responseComponent
makeResoponse()
textResponse
makeResoponse()
Decorator
makeResoponse()
inlineKeyboard
makeResoponse()
addInlineKeyboard()
replyKeyboard
makeResoponse()
addReplyKeyboard()


buttonCreator
makeButton()
inlineButtonCreator
makeButton()
replyButtonCreator
makeButton()


Button
makeButton()
Client
buttonCreator
makeButton()
inlineButton
makeButton()
replyButton
makeButton()
inlineButtonCreator
makeButton()
replyButtonCreator
makeButton()


Exam
Attach(User o)
Detach(User o)
Notify()
ChangeManager
Register(Exam, User)
Unregister(Exam, User)
Notify()
Exam_User_table
User
Update(Exam)
simpleChangeManager
Notify()
DAGChangeManager
Notify()