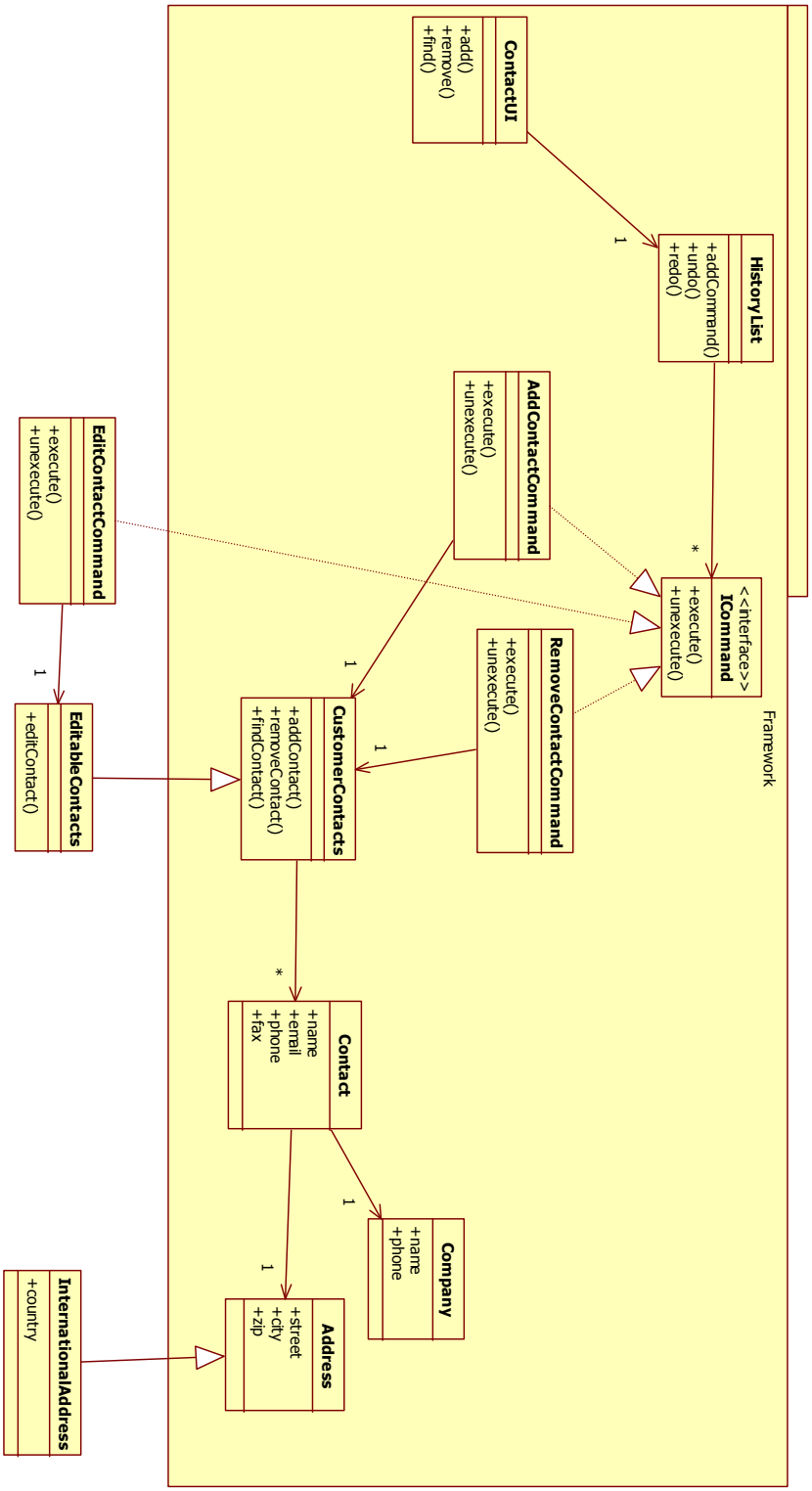
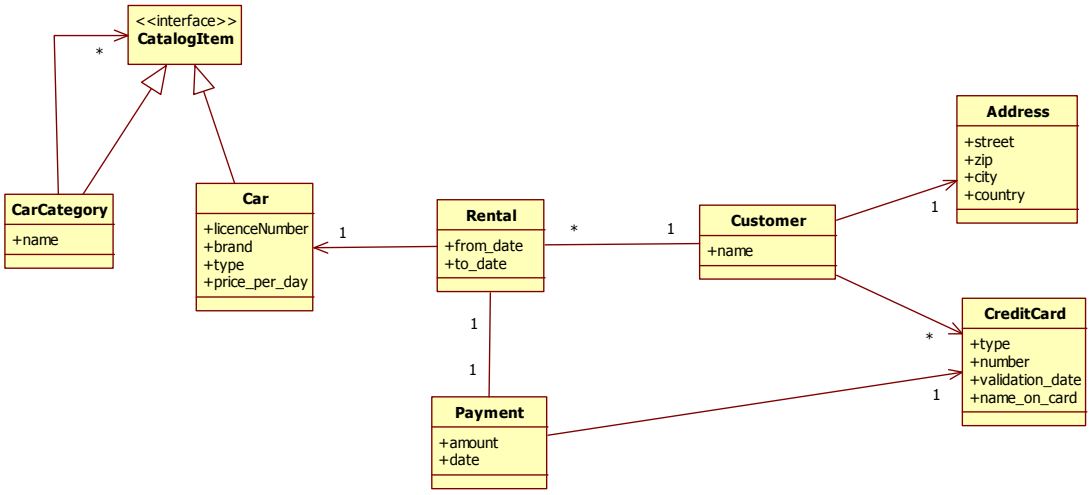
1.

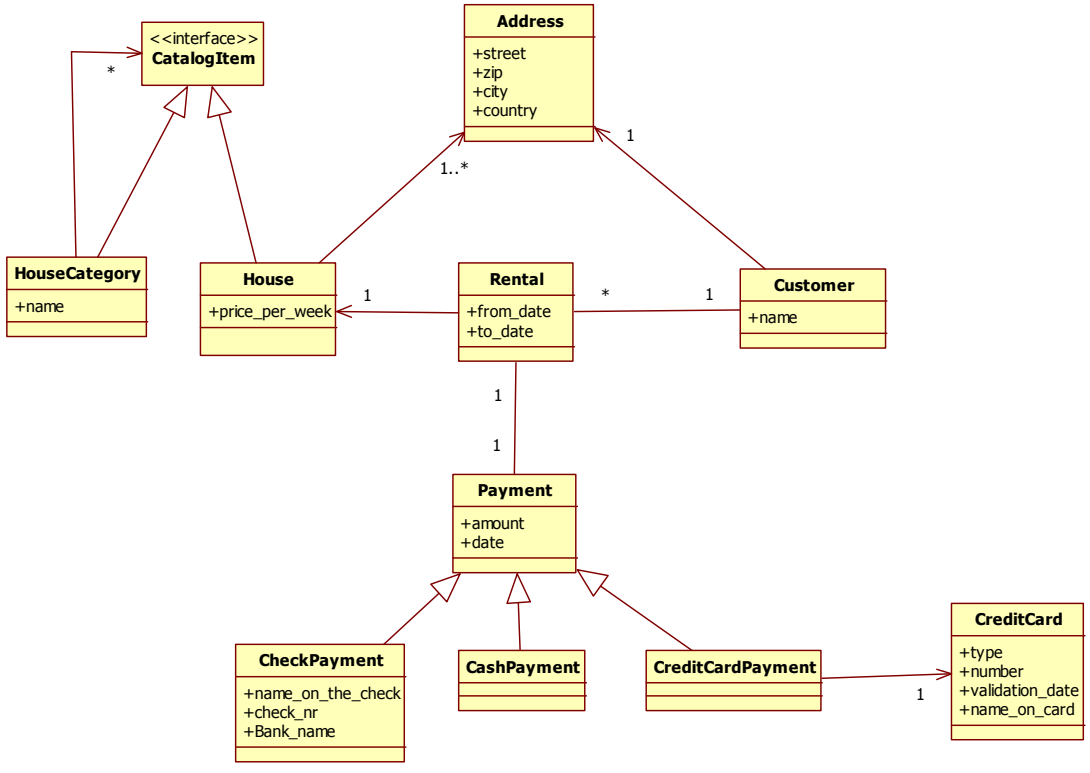

Framework
ContactUI
+add()
+remove()
+find()
HistoryList
+addCommand()
+undo()
+redo()
<<interface>>
ICommand
+execute()
+unexecute()
AddContactCommand
+execute()
+unexecute()
RemoveContactCommand
+execute()
+unexecute()
EditContactCommand
+execute()
+unexecute()
CustomerContacts
+addContact()
+removeContact()
+findContact()
EditableContacts
+editContact()
Contact
+name
+email
+phone
+fax
Company
+name
+phone
Address
+street
+city
+zip
InternationalAddress
+country
1
*
1
1
1
*
1
1

2.

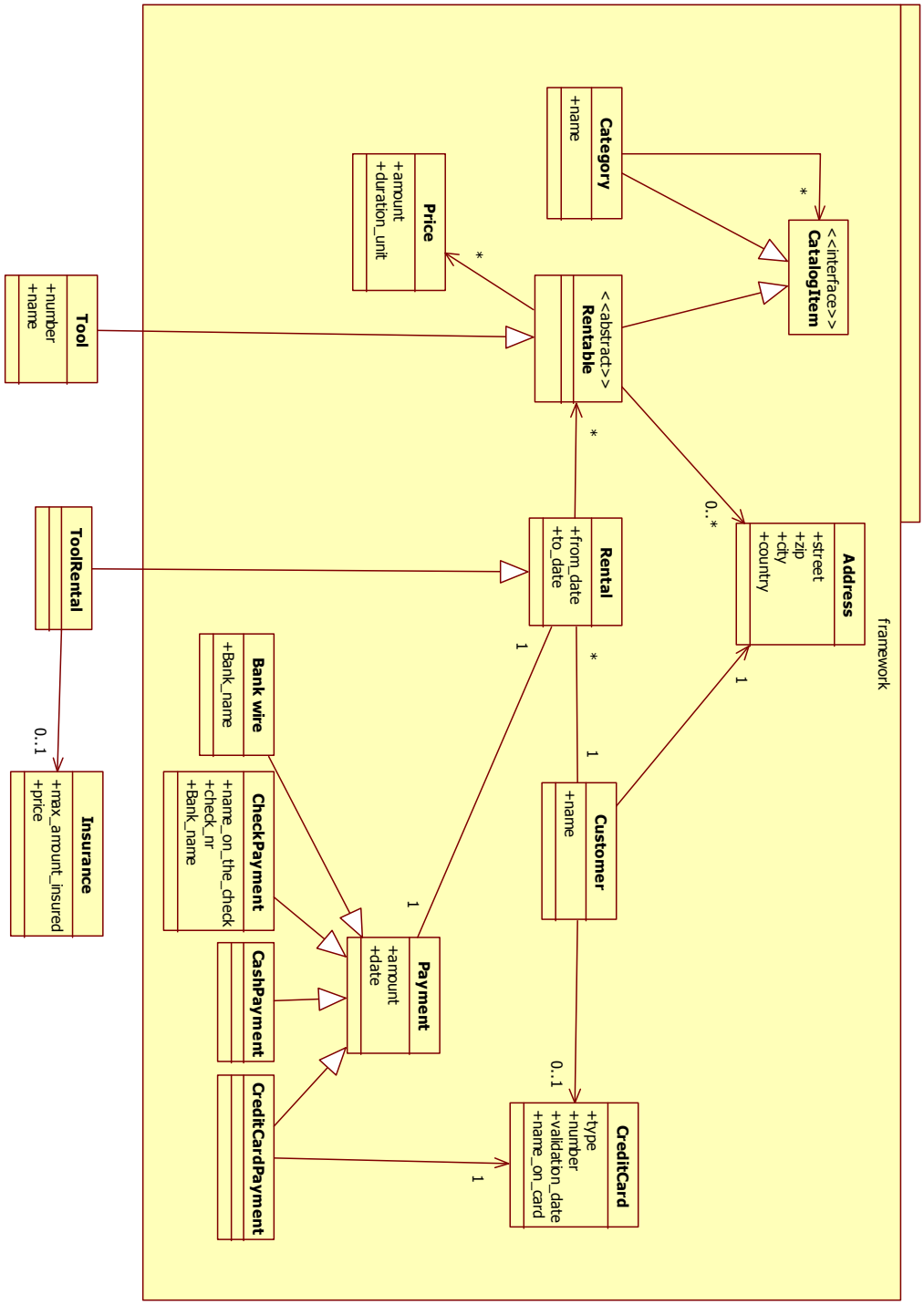
a. car rental application



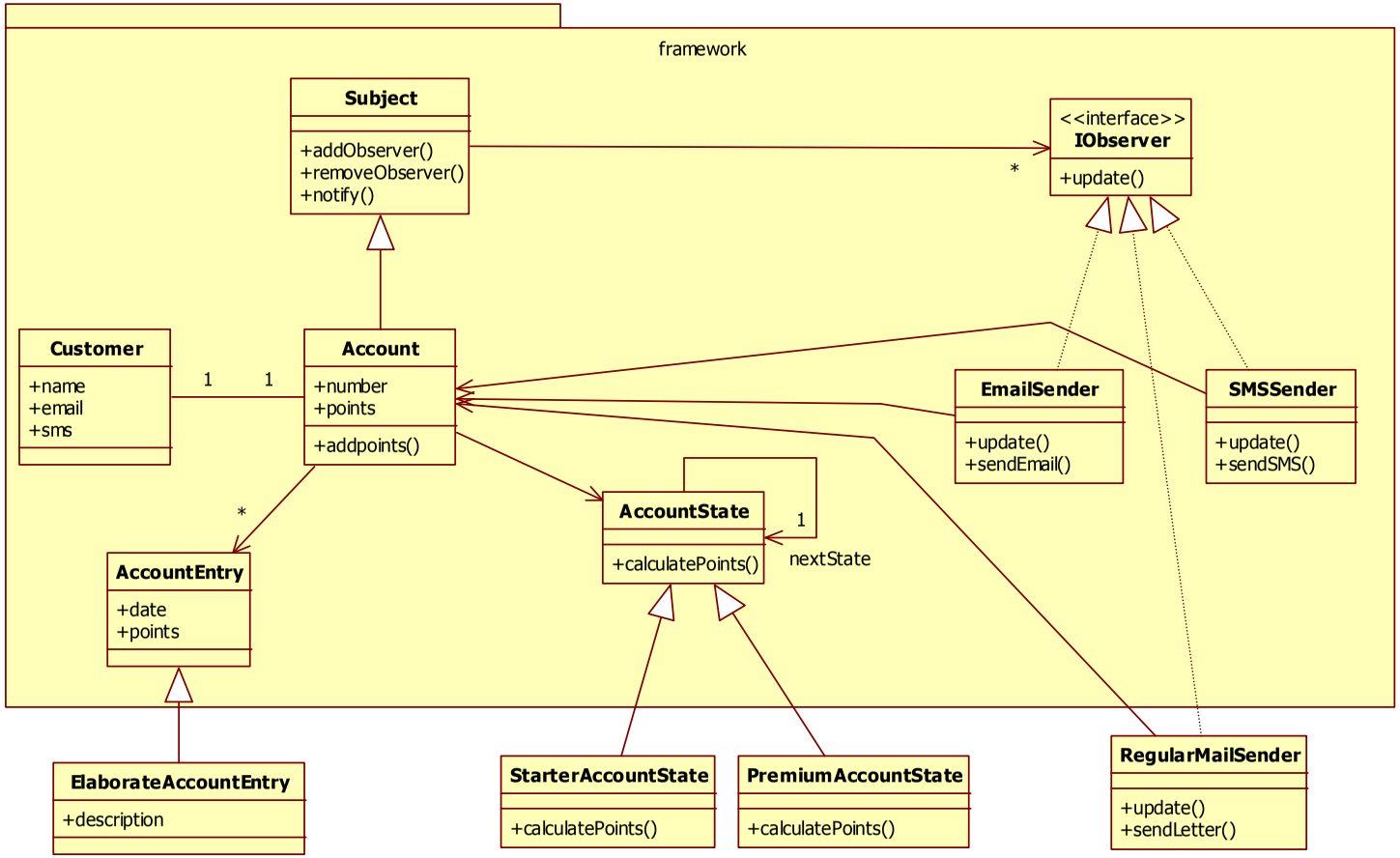
b.



c. Framework and Tool rental application



3.


framework
Subject
+addObserver()
+removeObserver()
+notify()
<<interface>>
IObserver
+update()
*
Customer
+name
+email
+sms
1
1
Account
+number
+points
+addpoints()
EmailSender
+update()
+sendEmail()
SMSSender
+update()
+sendSMS()
*
AccountState
+calculatePoints()
1
nextState
AccountEntry
+date
+points
ElaborateAccountEntry
+description
StarterAccountState
+calculatePoints()
PremiumAccountState
+calculatePoints()
RegularMailSender
+update()
+sendLetter()