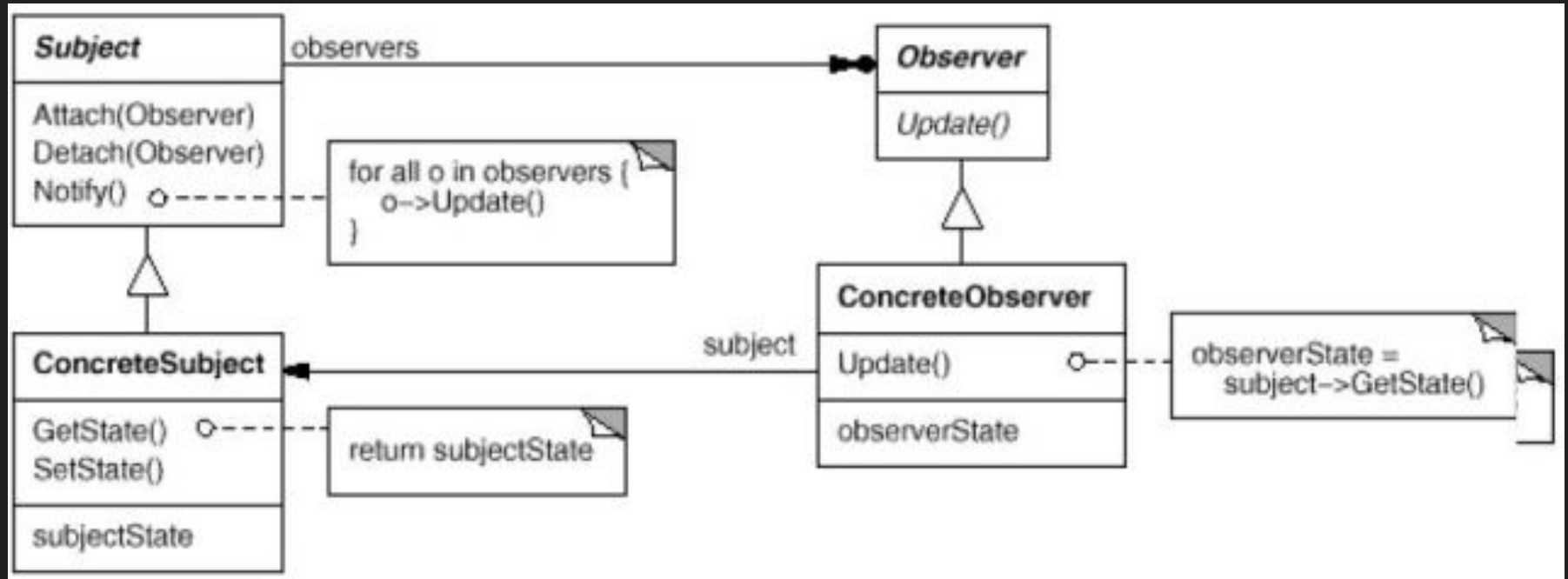


# Padrão de Projeto Observer

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# Definição

# Diagrama de Classe



# Exemplo utilizando o padrão

```
public class Community extends Observable {  
    public void addMessage(Message mes) {  
        this.messages.add(mes);  
        this.setChanged();  
        this.notifyObservers();  
    }  
  
    public ArrayList<Message> getMessages() {  
        return messages;  
    }  
}
```

```
public class User implements Observer {  
    private final ArrayList<String> Commes;  
    public int Community_messages_size() {  
        return Commes.size();  
    }  
    public String getListCommes() {  
        String s = "";  
        for (int i = 0 ; i < this.Community_messages_size() ; i++) {  
            s+= Commes.get(i);  
        }  
        Commes.clear();  
        return s;  
    }  
    public String CommunityMessages() {  
        return getListCommes();  
    }  
    @Override  
    public void update(Observable o, Object arg1) {  
        Commes.add(o.toString());  
    }  
}
```