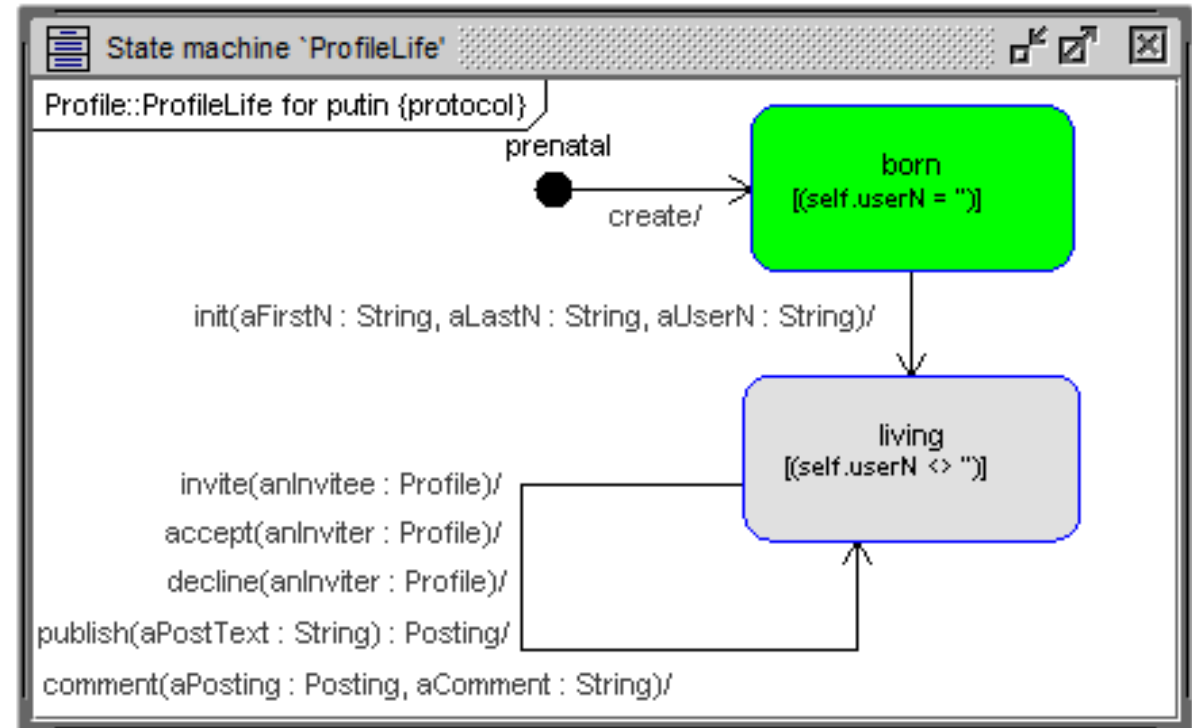
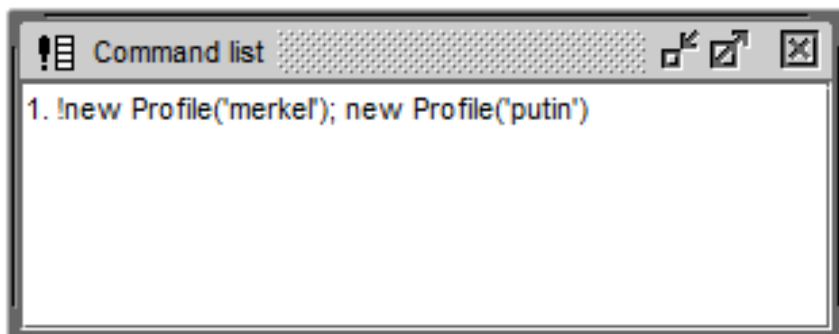
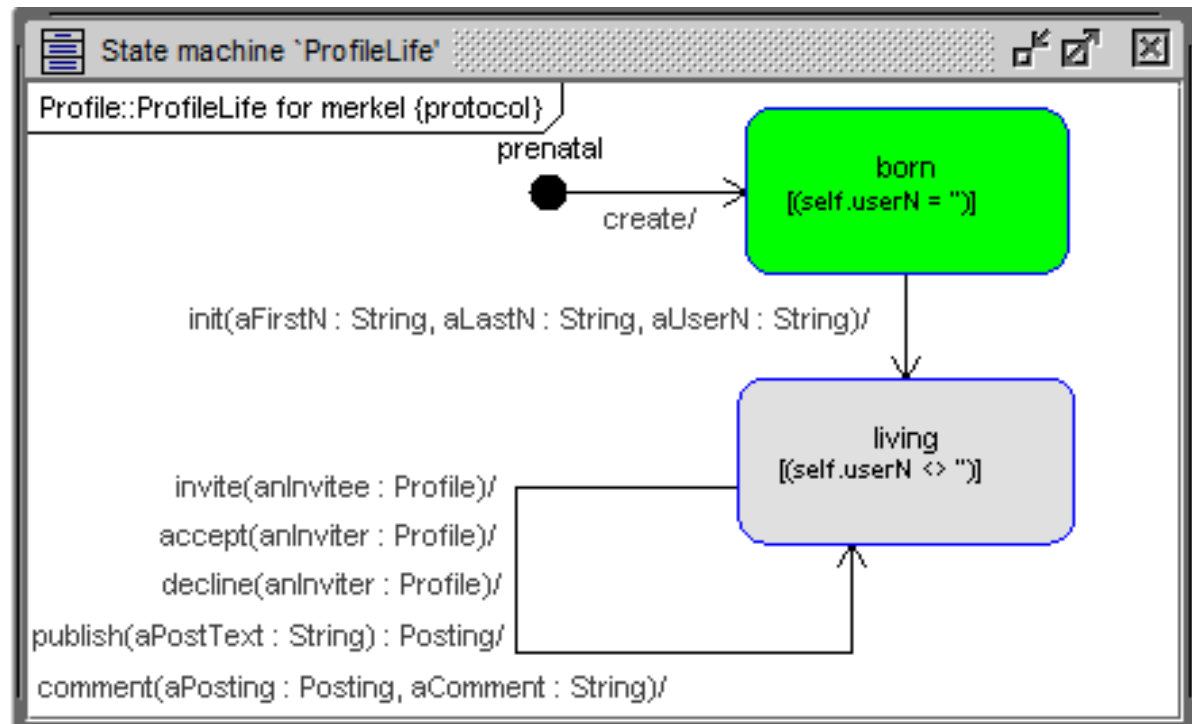
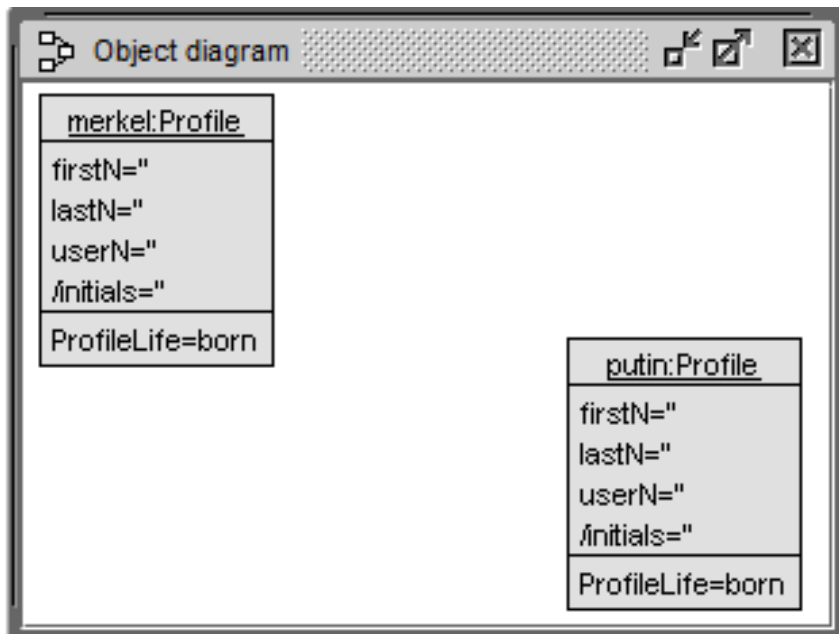


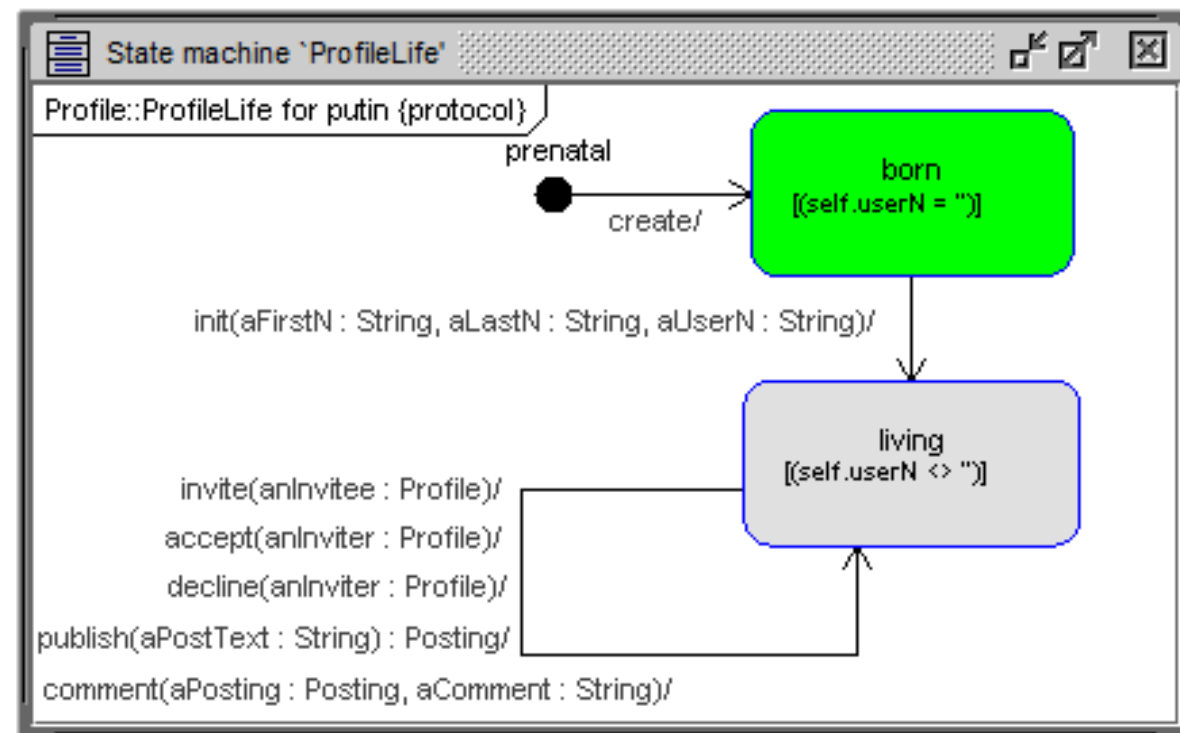
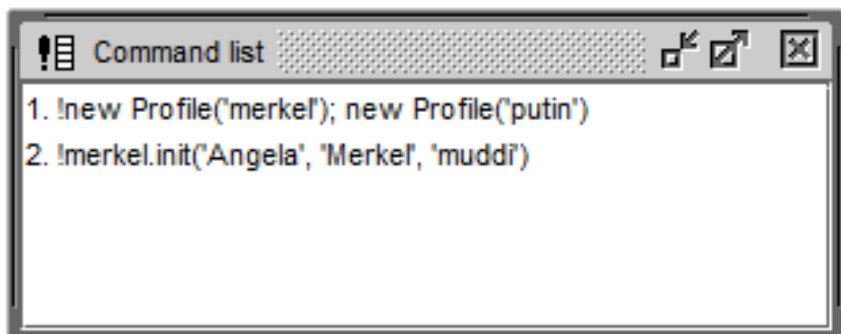
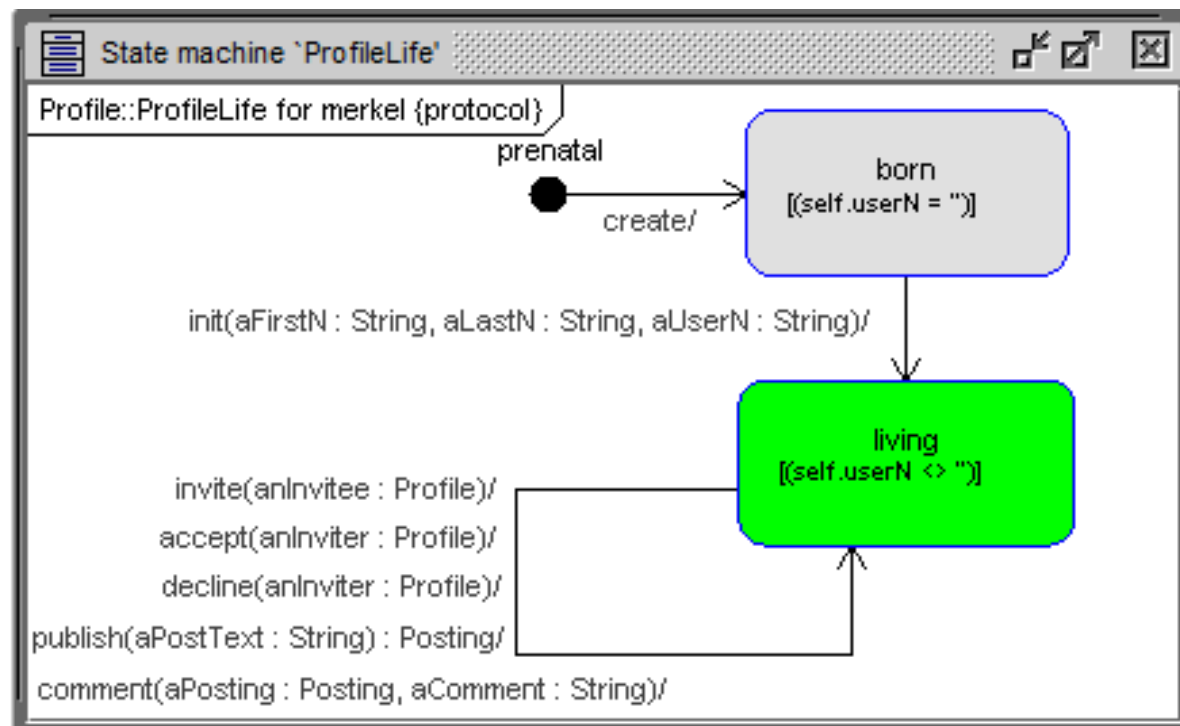
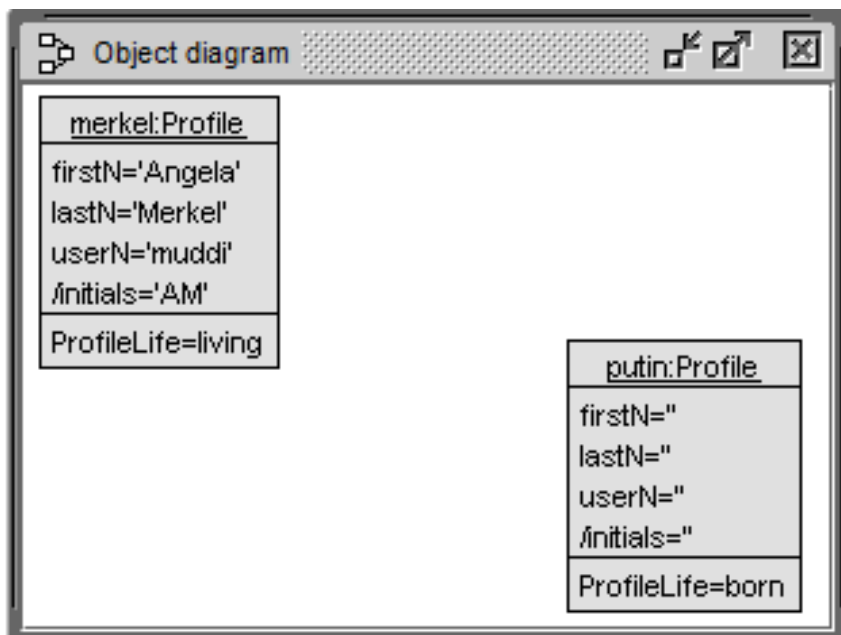
Animation and documentation of a simple scenario

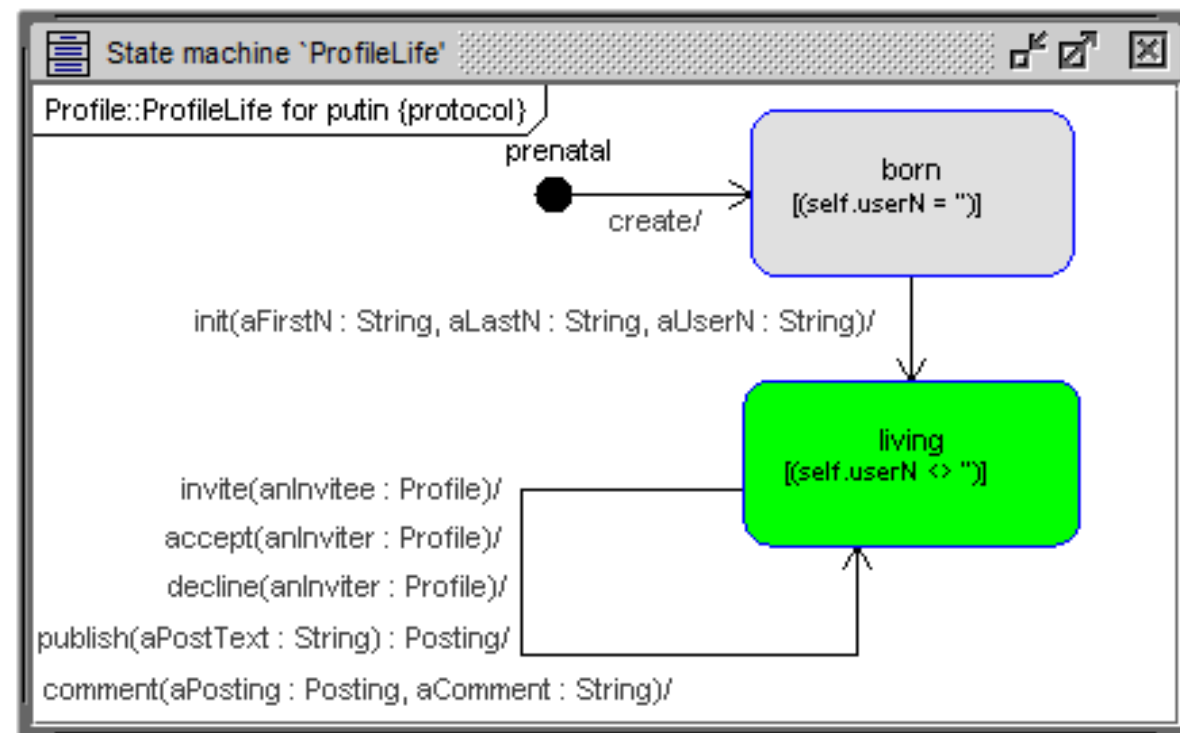
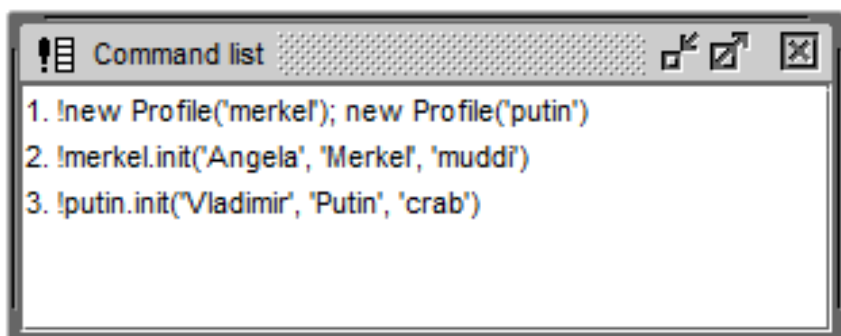
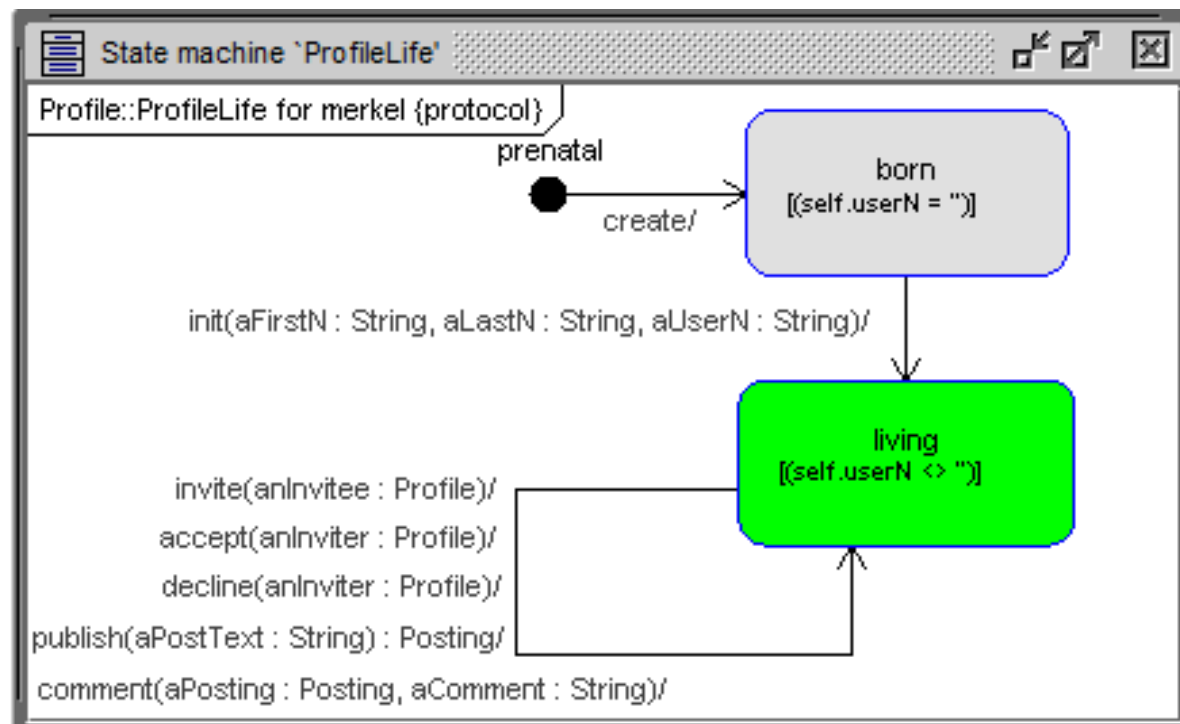
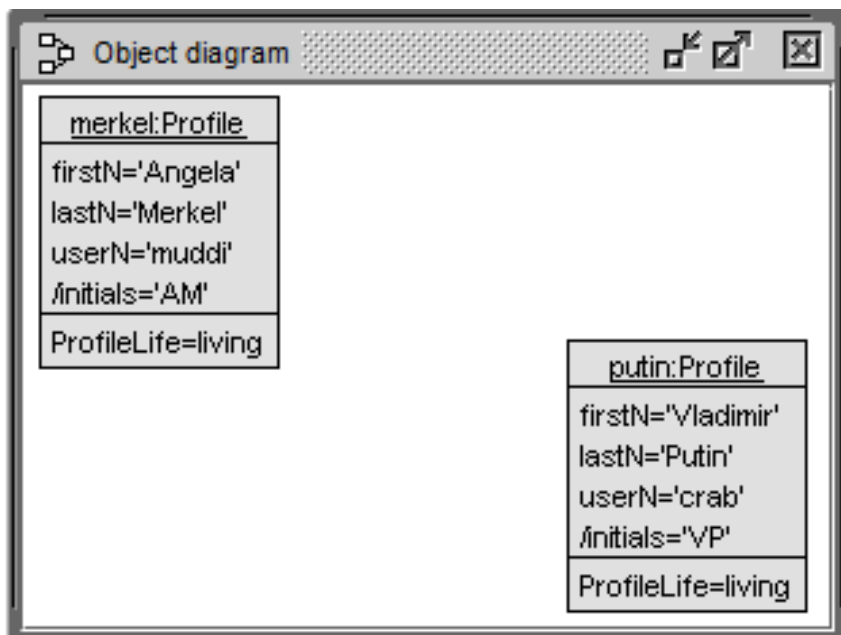
- Scenario: creation of two profiles and establishment of a friendship association link between them
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- **OCL queries** on the USE shell

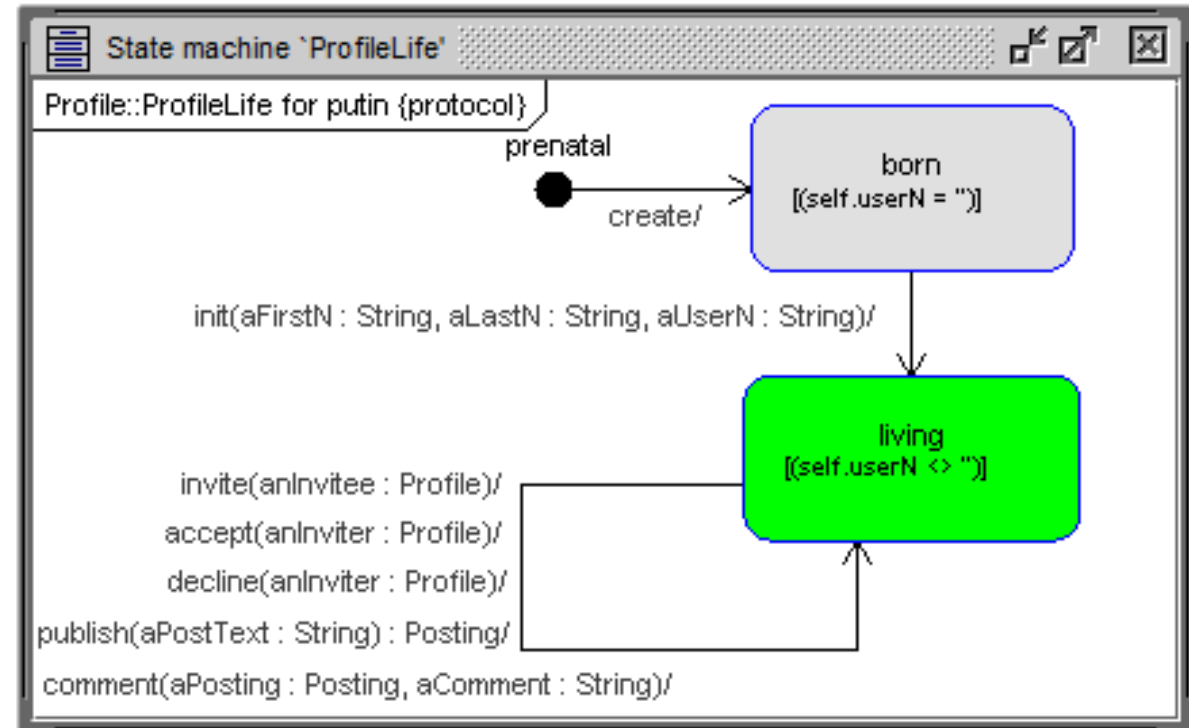
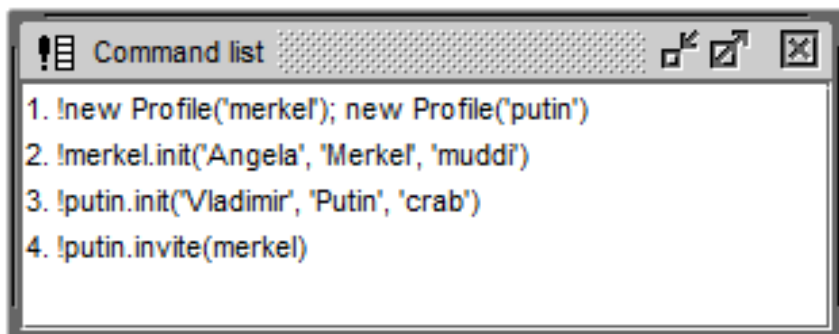
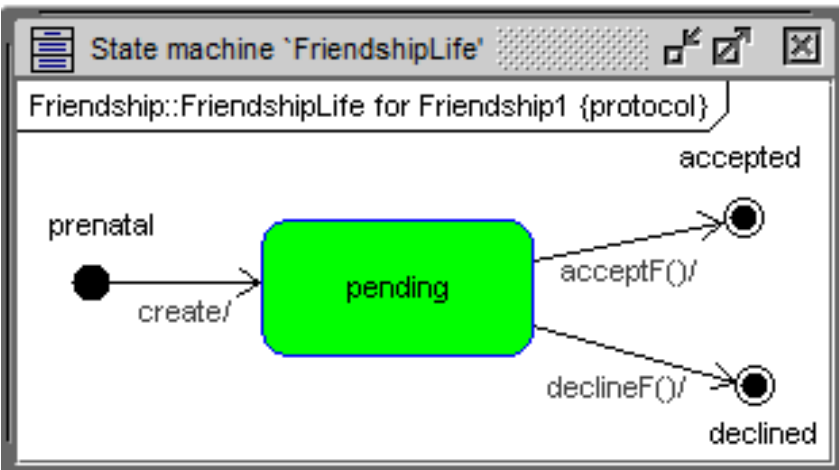
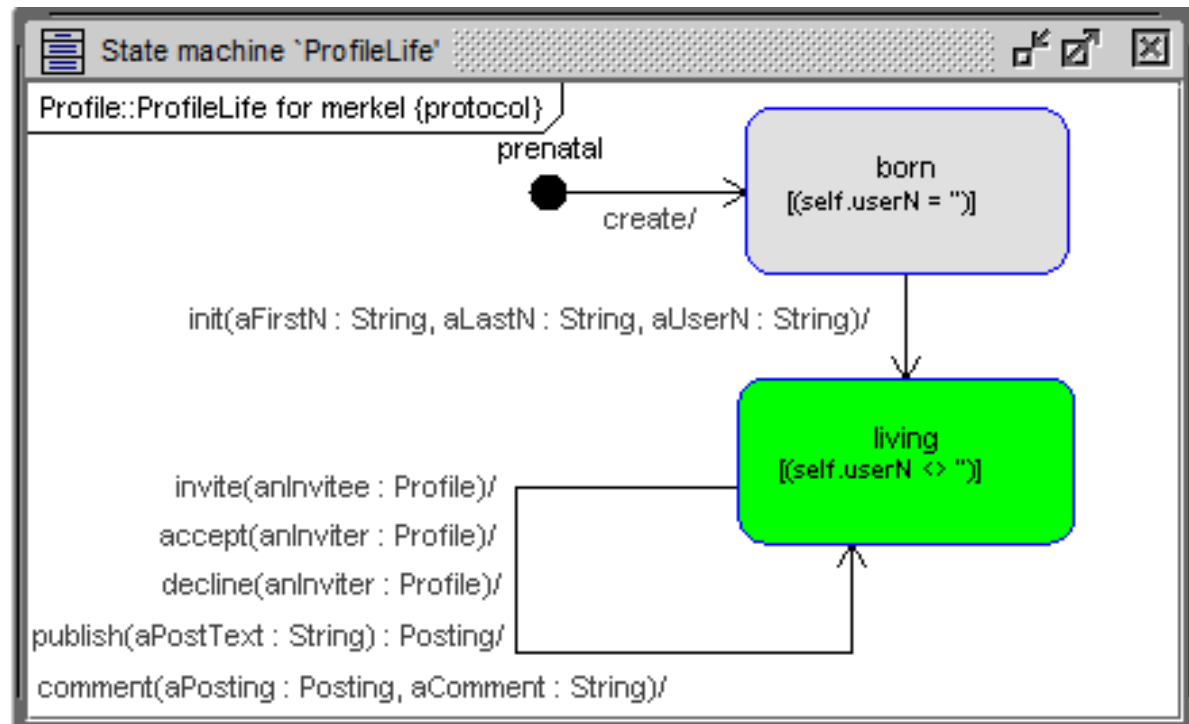
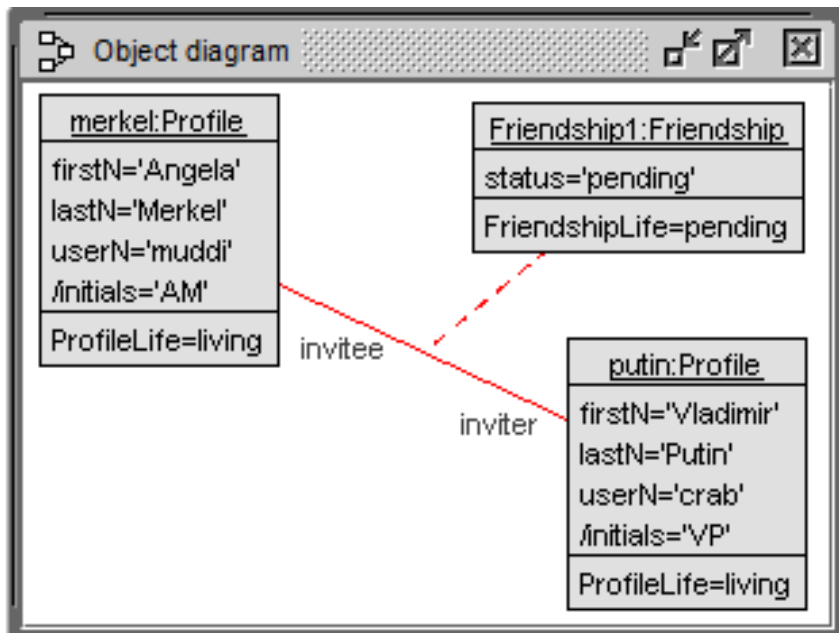
Animation and documentation of a simple scenario

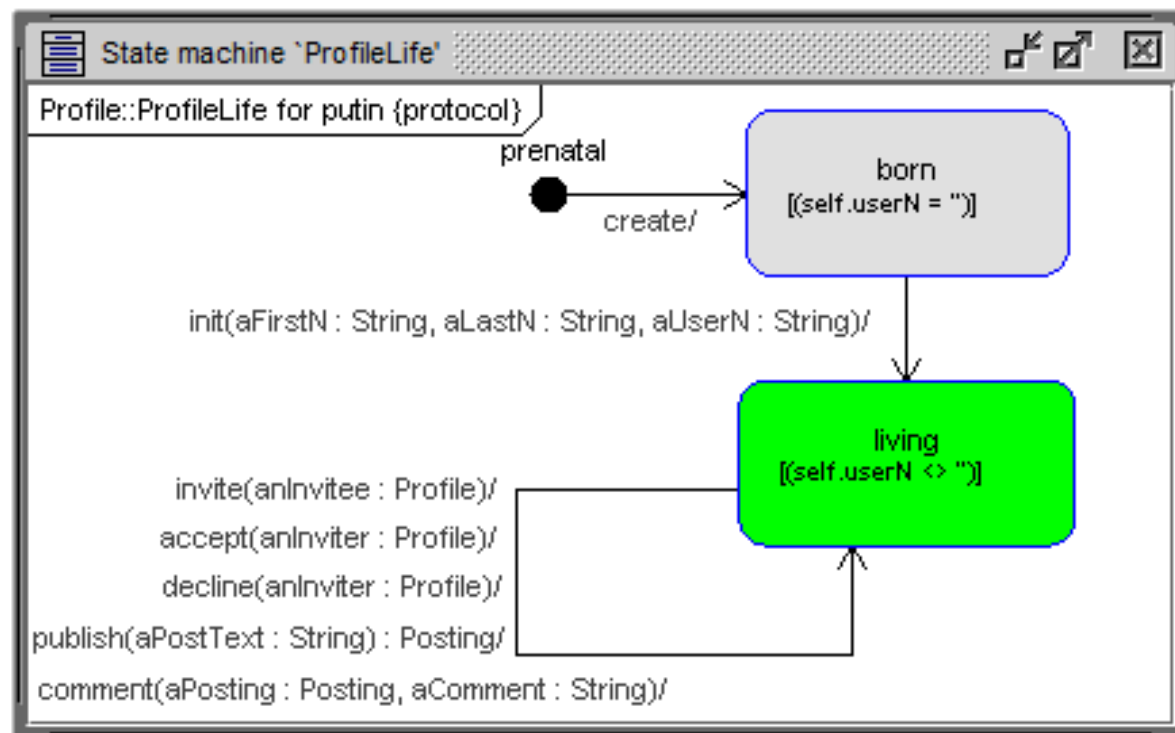
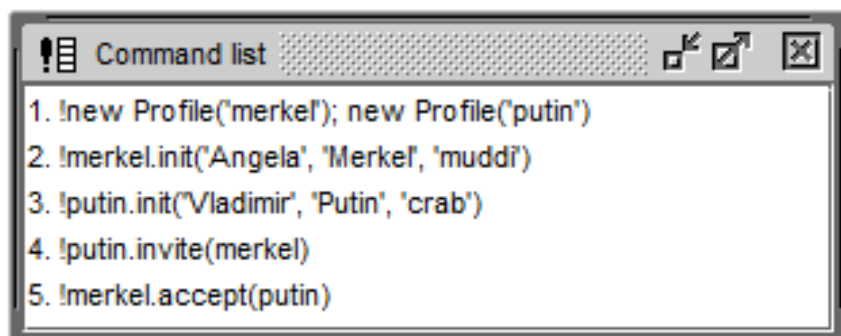
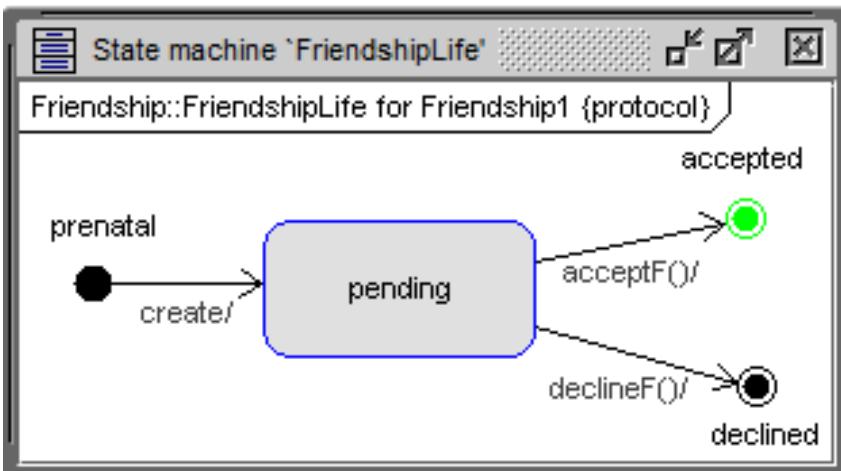
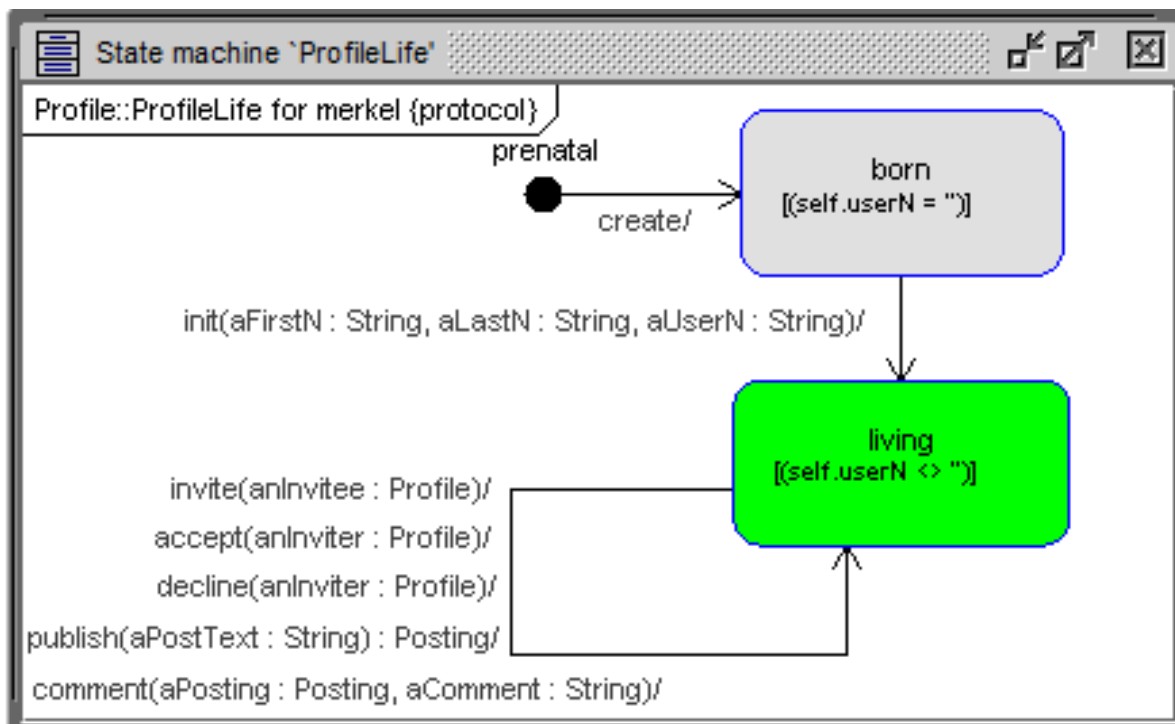
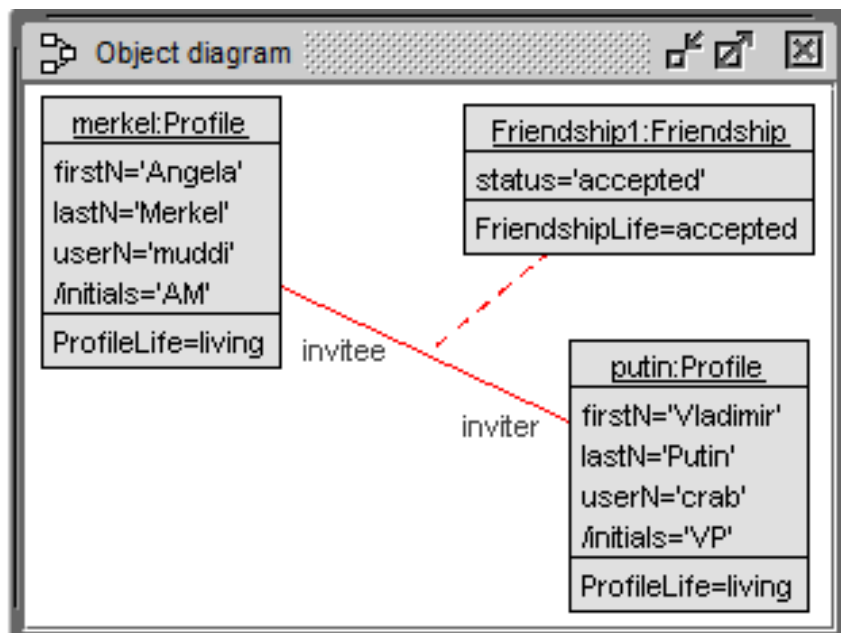
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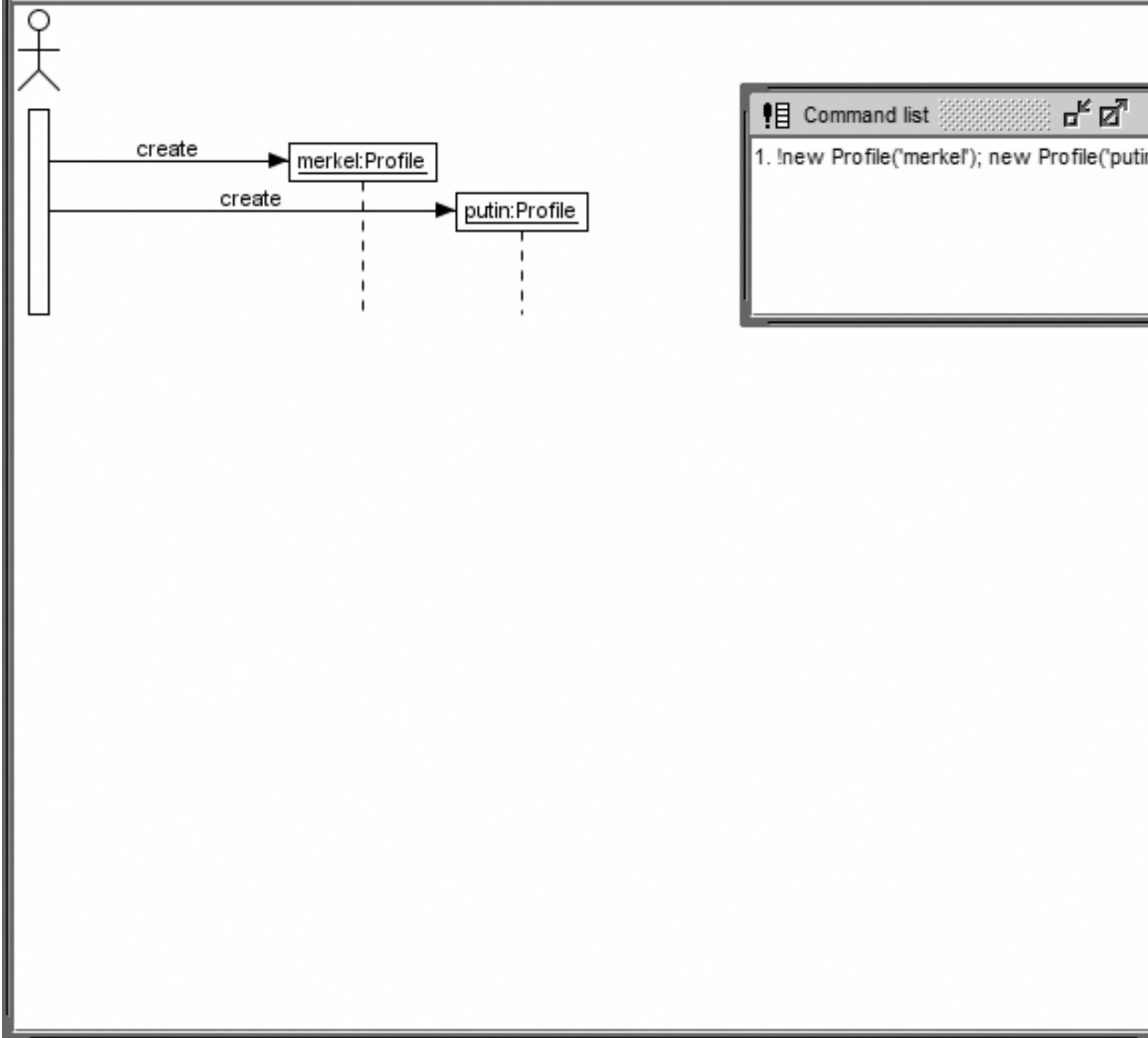






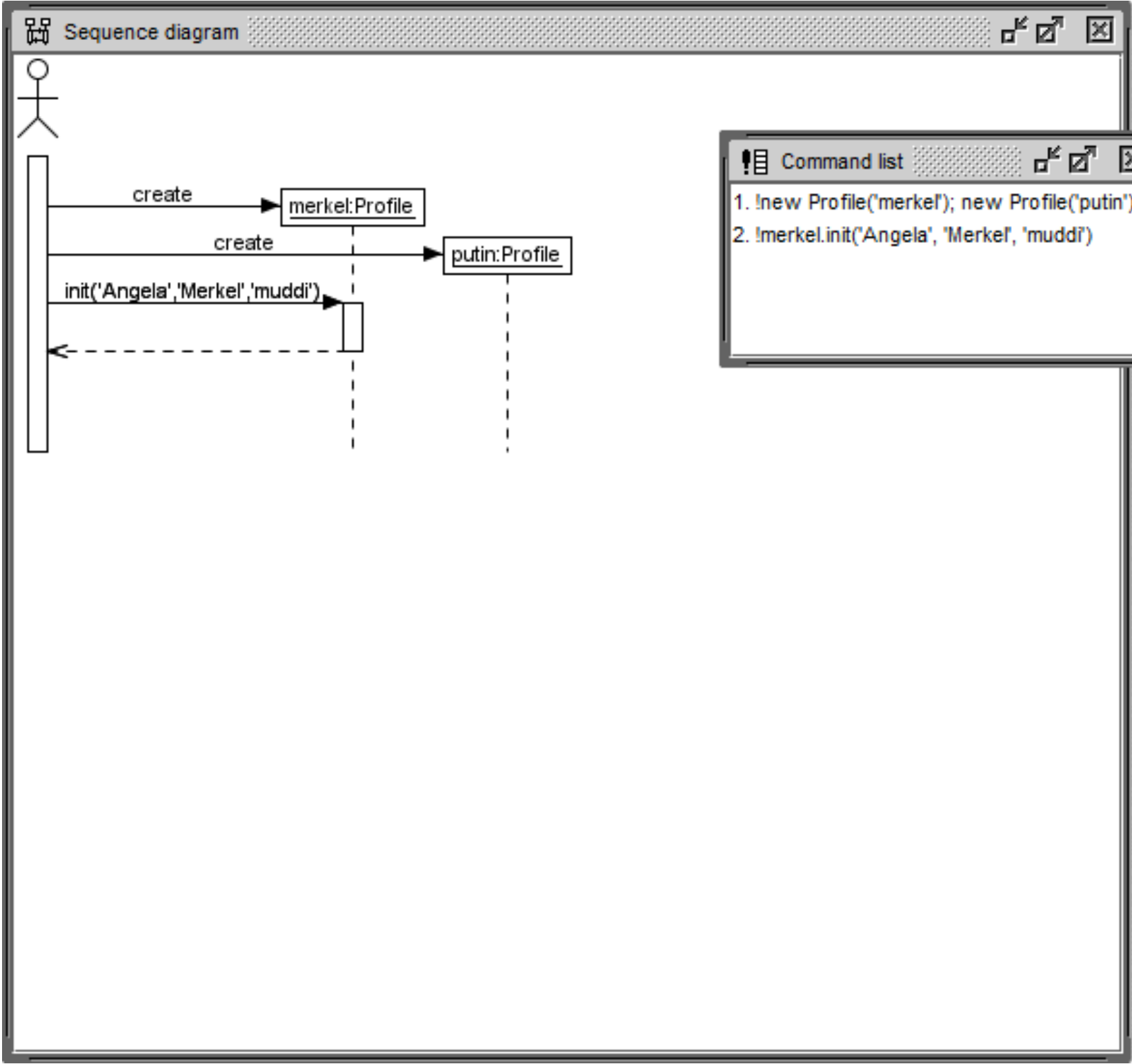
Animation and documentation of a simple scenario

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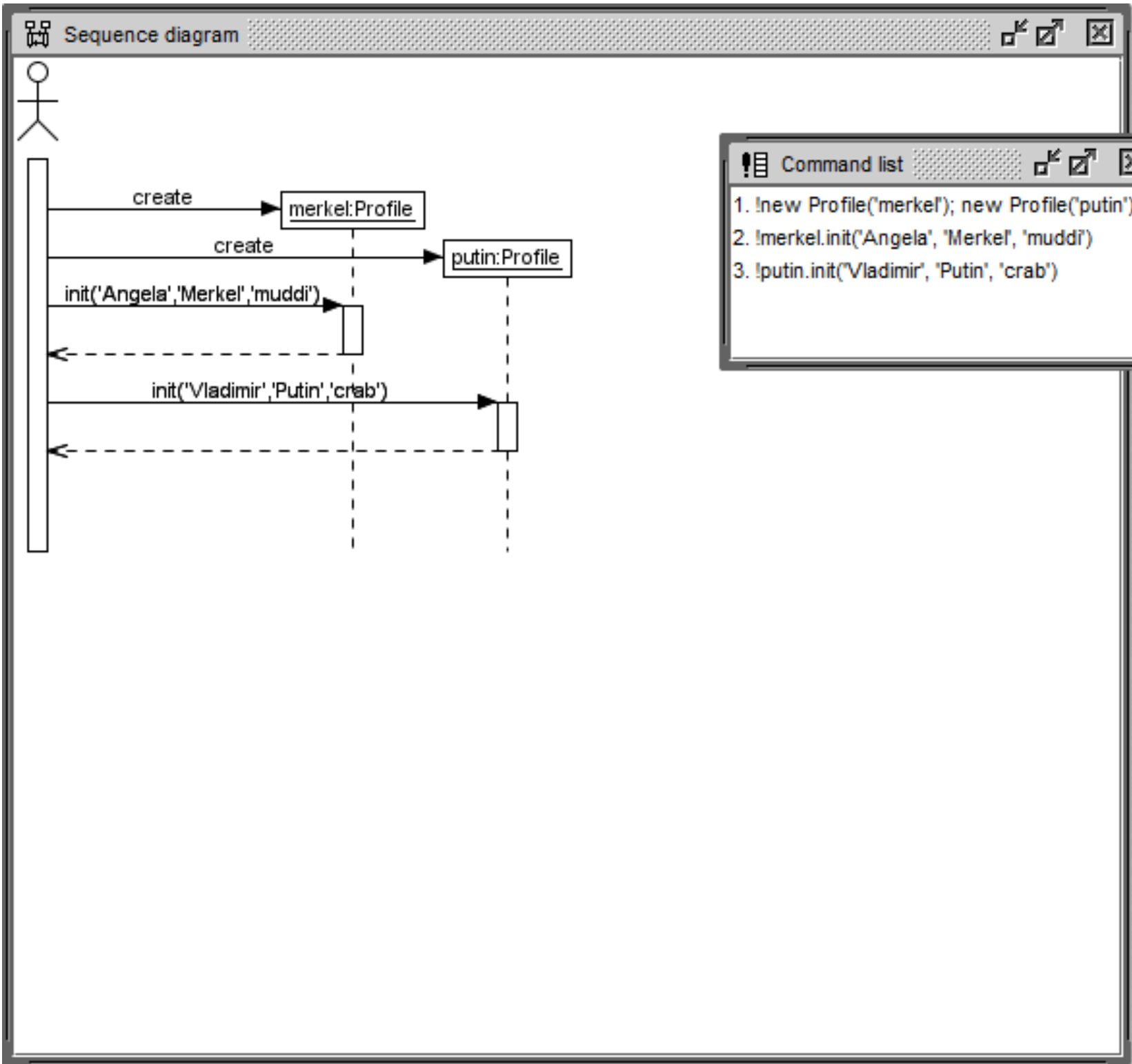
Command list

1. `!new Profile("merkel"); new Profile("putin")`



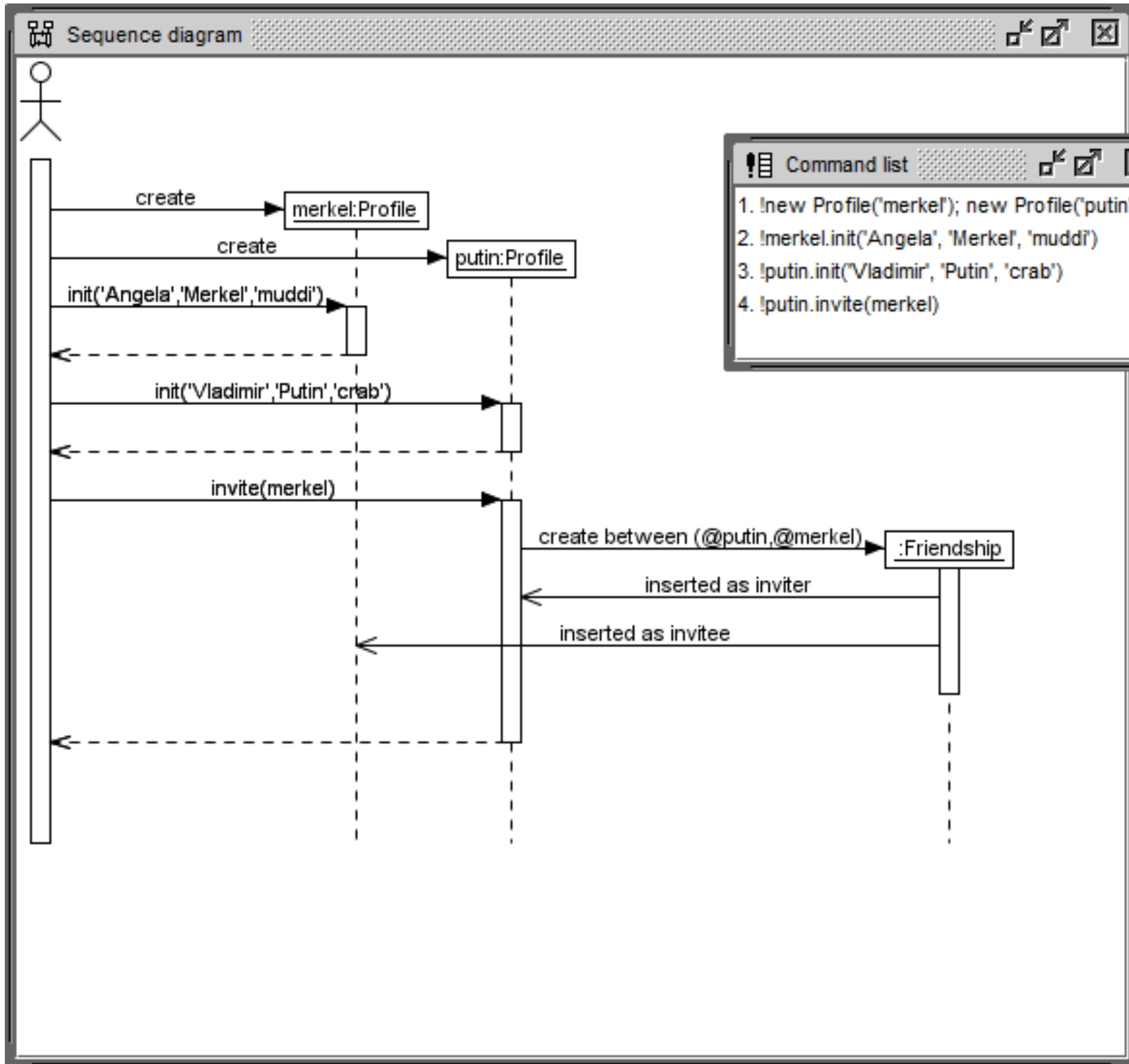
Command list

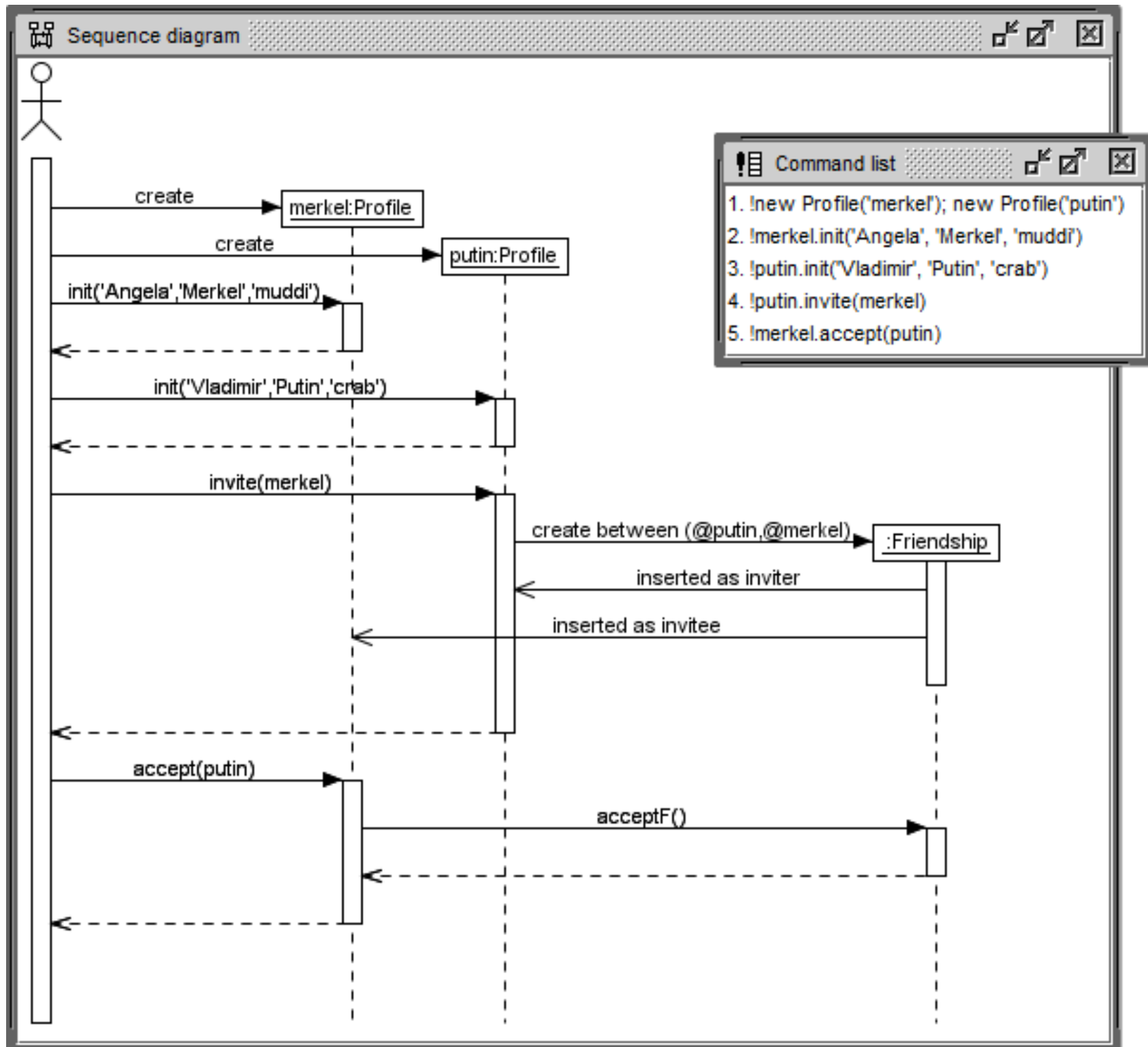
1. !new Profile('merkel'); new Profile('putin')
2. !merkel.init('Angela', 'Merkel', 'muddi')



Command list

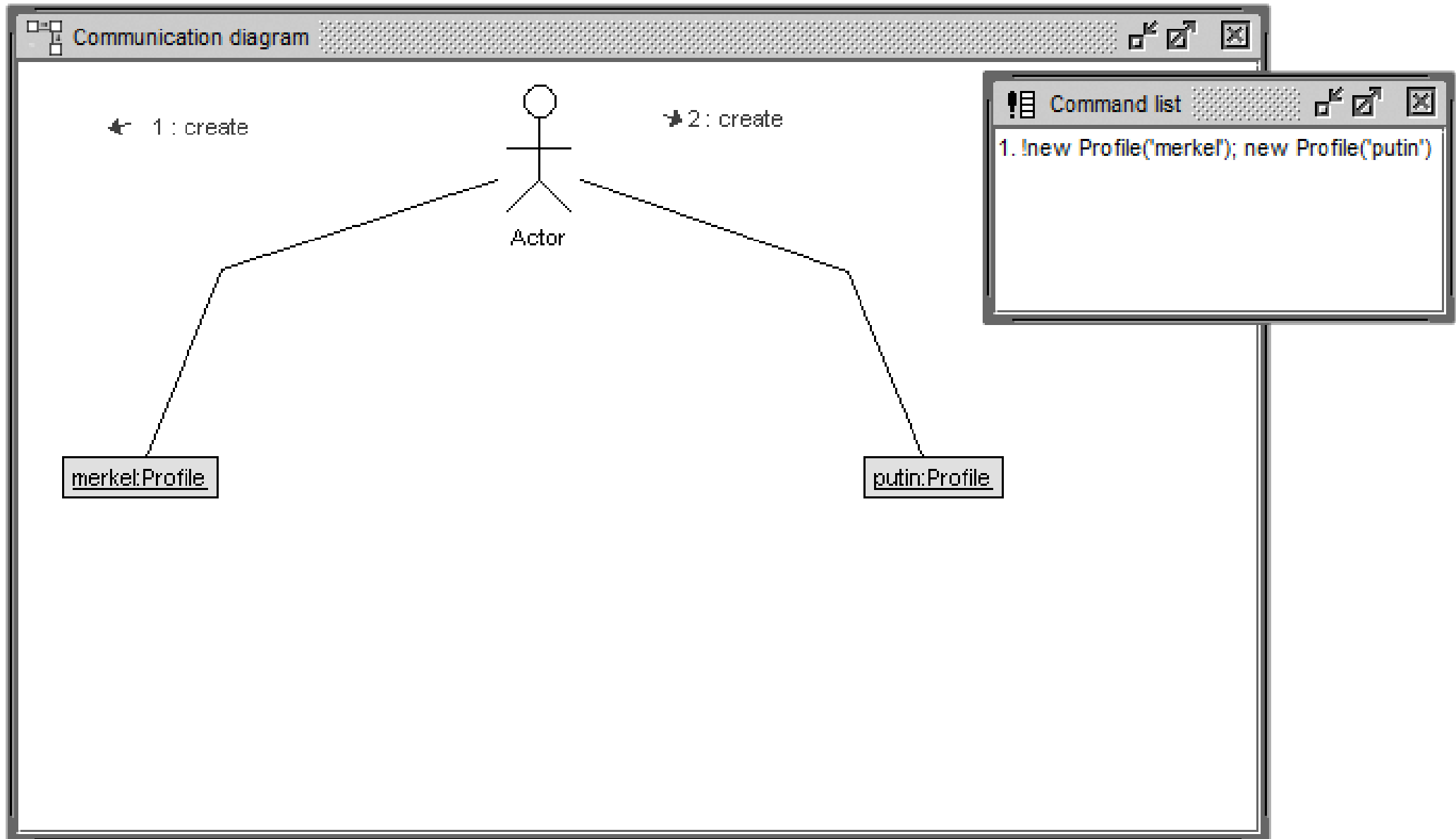
1. !new Profile('merkel'); new Profile('putin')
2. !merkel.init('Angela', 'Merkel', 'muddi')
3. !putin.init('Vladimir', 'Putin', 'crab')

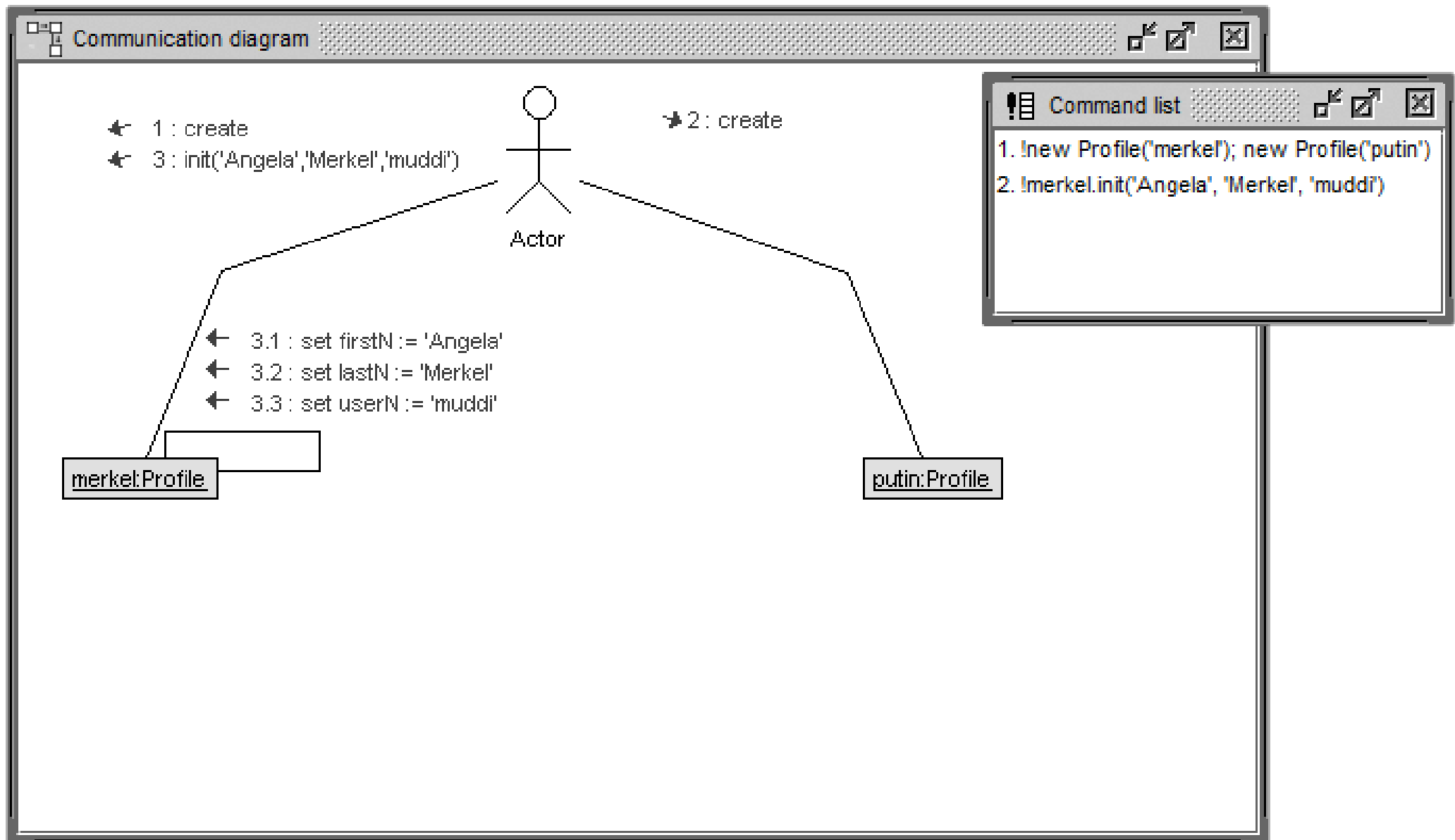


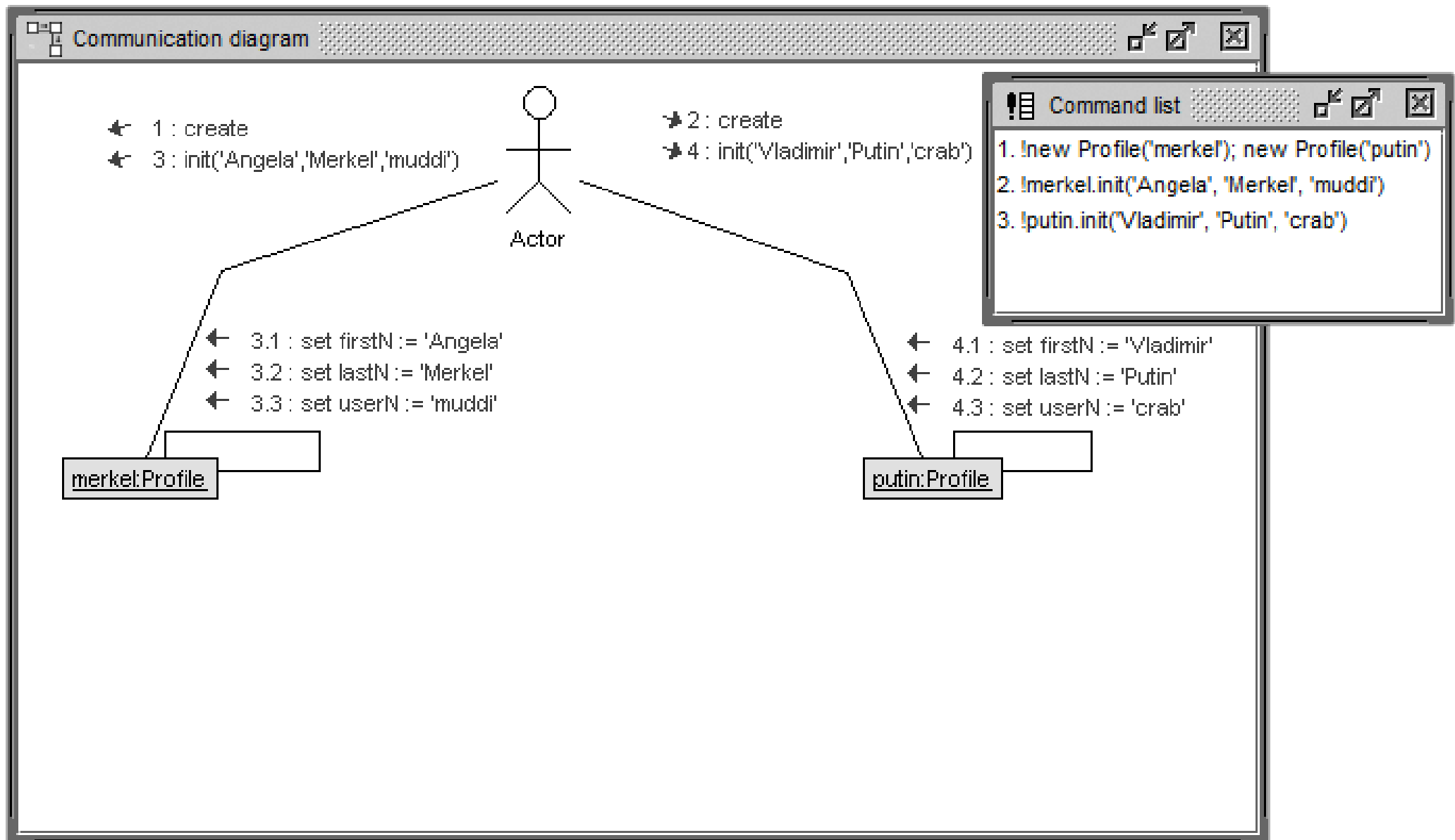


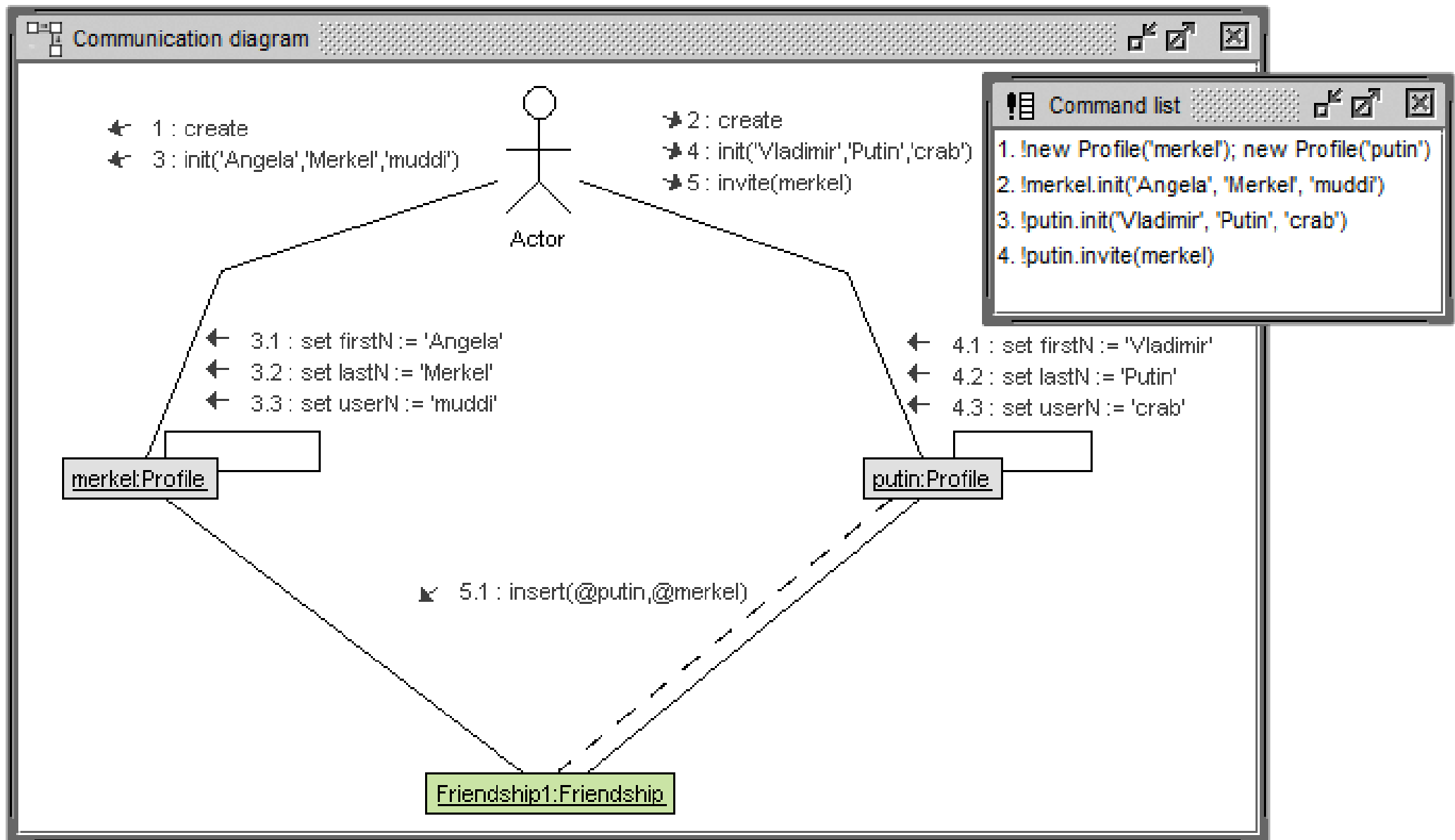
Animation and documentation of a simple scenario

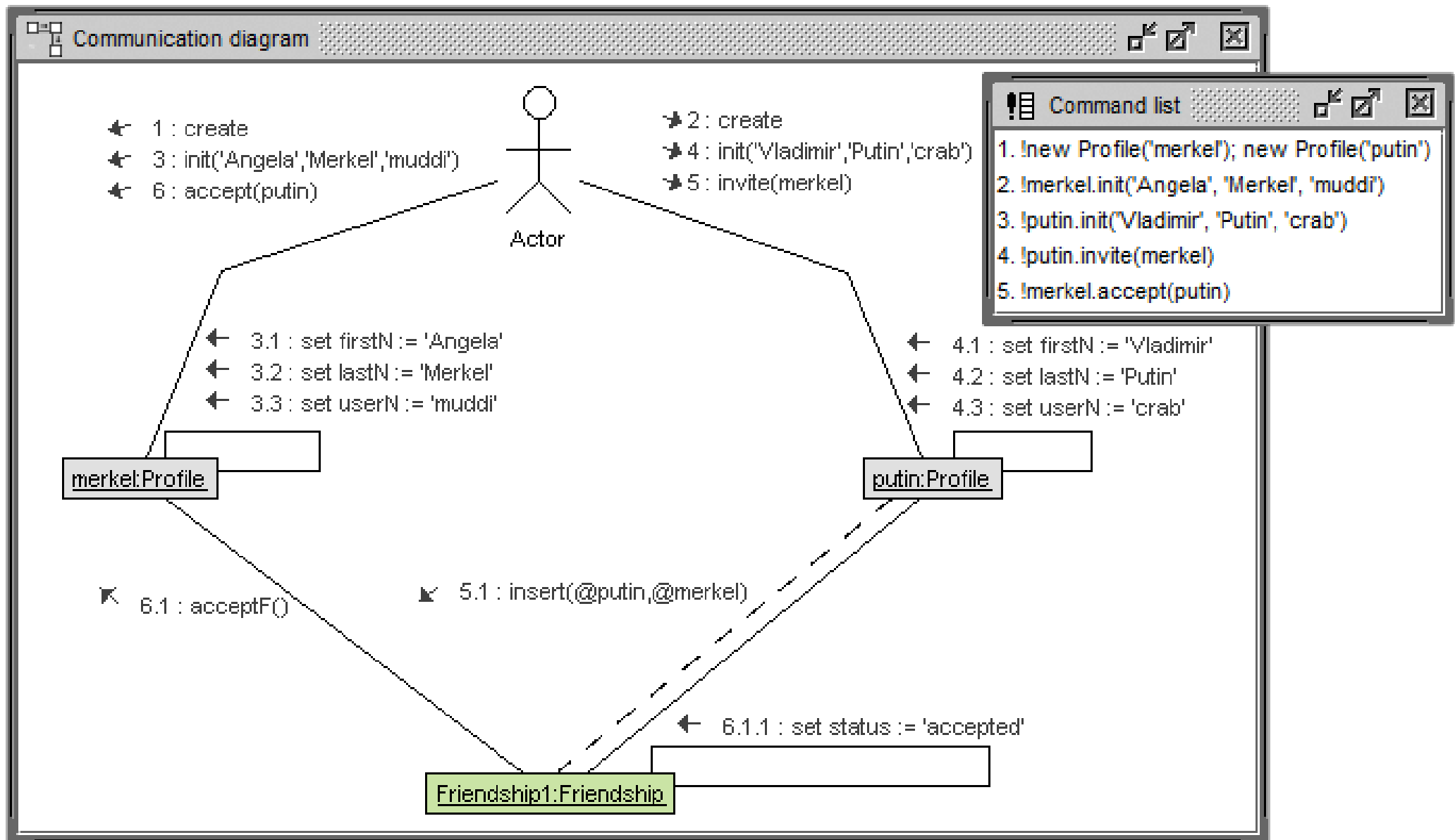
- Scenario: creation of two profiles and establishment of a friendship association link between them
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Animation and documentation of a simple scenario

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- Communication diagrams together with USE command list
- **OCL queries** on the USE shell

Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
? Friendship.allInstances->collect(f|Tuple{FS:f,ST:f.status})
  Bag{}
```

Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
? Friendship.allInstances->collect(f|Tuple{FS:f,ST:f.status})
  Bag{}

! merkel.init('Angela','Merkel','muddi')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN=''}}
  Bag{}
```

Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
? Friendship.allInstances->collect(f|Tuple{FS:f,ST:f.status})
  Bag{}

! merkel.init('Angela','Merkel','muddi')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN=''}}
  Bag{}

! putin.init('Vladimir','Putin','crab')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{}
```

Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
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  Bag{}

! merkel.init('Angela','Merkel','muddi')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN=''}}
  Bag{}

! putin.init('Vladimir','Putin','crab')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{}

! putin.invite(merkel)
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{Tuple{FS=Friendship1,ST='pending'}}
```


Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
? Friendship.allInstances->collect(f|Tuple{FS:f,ST:f.status})
  Bag{}

! merkel.init('Angela','Merkel','muddi')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN=''}}
  Bag{}

! putin.init('Vladimir','Putin','crab')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{}

! putin.invite(merkel)
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{Tuple{FS=Friendship1,ST='pending'}}

! merkel.accept(putin)
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{Tuple{FS=Friendship1,ST='accepted'}}
```

Scenario documentation with OCL queries

```
! create merkel,putin:Profile
? Profile.allInstances->collect(p|Tuple{PF:p,UN:p.userN})
  Bag{Tuple{PF=merkel,UN=''},Tuple{PF=putin,UN=''}}
? Friendship.allInstances->collect(f|Tuple{FS:f,ST:f.status})
  Bag{}

! merkel.init('Angela','Merkel','muddi')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN=''}}
  Bag{}

! putin.init('Vladimir','Putin','crab')
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{}

! putin.invite(merkel)
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{Tuple{FS=Friendship1,ST='pending'}}

! merkel.accept(putin)
  Bag{Tuple{PF=merkel,UN='muddi'},Tuple{PF=putin,UN='crab'}}
  Bag{Tuple{FS=Friendship1,ST='accepted'}}

? Friendship.allInstances->collect(f|
  Tuple{TER:f.inviter.userN,TEE:f.invitee.userN,ST:f.status})
  Bag{Tuple{TER='crab',TEE='muddi',ST='accepted'}}
```

Animation and documentation of a simple scenario

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Thanks for your attention!