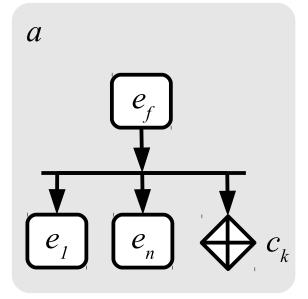
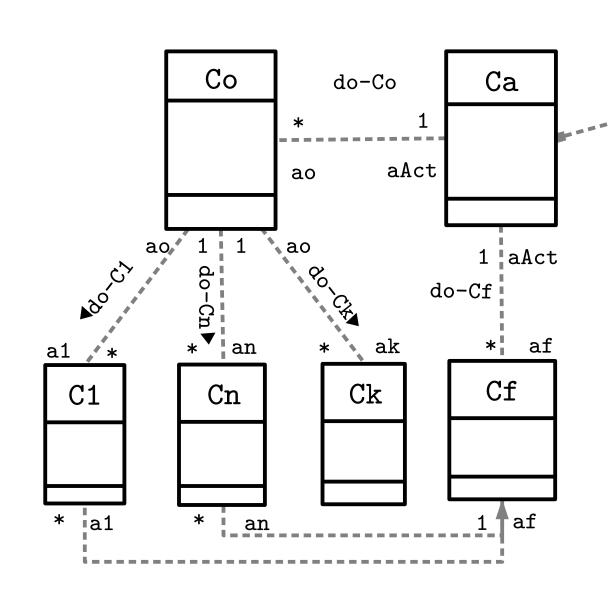
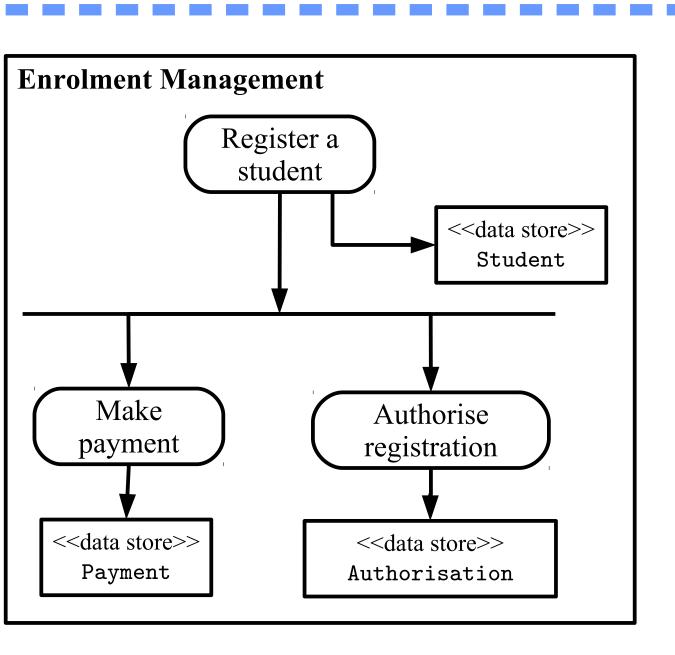
forked pattern (if c_k is present then $n \ge 1$ else $n \ge 2$)





```
AGraph { nodes=[
   ANode { refCls=Cf,serviceCls=DataController
   outClses=[Co]
   actSeq=[
     MAct{actName=newObject,pstStates=[Created]} ]
   init=true}
   ANode { refCls=Co,serviceCls=DataController
   nodeType=Fork, outClses=[C1,Cn,Ck]}
   ANode { refCls=C1,serviceCls=DataController
   actSeq=[
     MAct{actName=newObject,pstStates=[NewObject]},
     MAct{actName=setDataFieldValues,fieldNames=["af"]
           pstStates=[Created]} ]}
   ANode { refCls=Cn,serviceCls=DataController
   actSeq=[
     MAct{actName=newObject,pstStates=[NewObject]},
     MAct{actName=setDataFieldValues,fieldNames=["af"]
           pstStates=[Created]} ]}
   ANode { refCls=Ck, nodeType=k, outClses=k_{out}}
]}
```



```
EnrolmentMgmt
      enrolMgmt
                         enrolMgmt
                manages
                               enrolProcs
students
                         FEnrolment
    Student
                         Processing
 student 1
                         fEnrolmentProc
                           processes
                                         authorisations
            payments
                Payment
                                       Authorisation
            *
```

```
AGraph { nodes=[
   ANode { refCls=Student,serviceCls=DataController
   outClses=[FEnrolmentProcessing]
   actSeq=[
     MAct{actName=newObject,pstStates=[Created]} ]
   init=true}
   ANode { refCls=FEnrolmentProcessing
   serviceCls=DataController
   nodeType=Fork, outClses=[Payment,Authorisation]}
   ANode { refCls=Payment,serviceCls=DataController
   actSeq=[
     MAct{actName=newObject,pstStates=[NewObject]},
     MAct{actName=setDataFieldValues
        fieldNames=["student"], pstStates=[Created]} ]}
   ANode { refCls=Authorisation, serviceCls=DataController
   actSeq=[
     MAct{actName=newObject,pstStates=[NewObject]},
     MAct{actName=setDataFieldValues
        fieldNames=["student"],pstStates=[Created]} ]}
 ]}
```