Index

```
unidirectional 252-3
abstract class 95-6, 109, 329
abstraction 14, 81, 222, 329
                                                two-way 253
                                             asynchronous message 260-1, 330
action 329
   in state diagram 186
                                             attribute 80, 122, 125-8, 330
                                                design of 255-6
activation
   object 158-9, 171-2
                                                signature 255-6
activity 188, 213-14, 329
   during system development 7-8
                                             behaviour 330
   see also workflow
                                             boundary 57–8, 330
activity diagram
                15, 201–15, 329
   in system development 209-10
                                                class 223-4, 330
   symbols 203
                                                 use case 41, 52-3
   swimlanes 207-9
                                             boundary class 223-4, 330
actor 41, 42, 48-9, 56-8, 61-2, 173-4,
                                              branching
     329
                                                 in sequence diagram 258-9
actor description 48-9, 329
aggregation 91-2, 137, 329
   implementing in a relational
                                              cardinality see multiplicity
      database 240
                                             case study
algorithm
                                                 code 280-5
          330
analysis 222, 330
                                                 collected materials 291–318
   stage in traditional life cycle 6
                                                 introduction 17-18
                                                 interview 24-8
analysis class 223
                                             CASE tools 16-17, 59, 165, 174-5, 222,
application layer
   architecture 228-9
                                                  286, 331
application logic layer
                                             class 80, 87-109, 331
   architecture 228-9
                                                 abstract 95–6, 109
architecture 138, 223, 330
                                                 application 223
   layered 223, 227-9, 244
                                                 attributes 122, 125-8
                                                 boundary 223-4, 250, 330
association 89-91, 123, 128-9, 330
   design of 252-5
                                                 child 93, 331
   implementing in a relational
                                                 collection 173, 224, 250, 254
      database 238-40
                                                 concrete 96
```