

Figure 8.5 Activity diagram for the 'Issue bike' use case, showing alternative actions

Modelling iteration of activities

In addition to sequencing (see Figure 8.4) and selection (Figure 8.5) of activities, activity diagrams can also model iteration, where one or more activities need to be repeated. Figure 8.6 shows what happens when Naresh, the chief mechanic at Wheels, has to register a number of different bikes on the system. For each bike, Naresh has to enter the details and then assign a number; these activities are repeated until all the bikes have been registered. The diagram in Figure 8.6 shows the iteration loop, with the guard condition '[more bikes to add]' in square brackets.

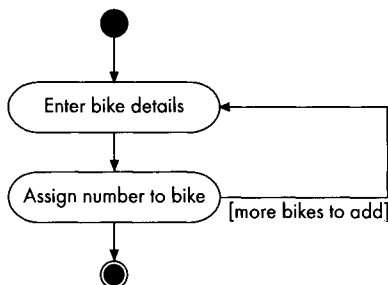


Figure 8.6 Activity diagram showing iteration of activities