



Figure 8.9 Modified activity diagram for the 'Handle bike return' use case, showing parallel activities and selection

the name of the person, organization or object responsible for carrying out the set of activities in the swimlane.

Figure 8.10 shows the activity diagram for the 'Handle bike return' use case (compare Figure 8.9). In Figure 8.10 swimlanes have been added to provide information about who carries out the various activities in the use case.

We can see from Figure 8.10 who or what carries out the different activities that make up the 'Handle bike return' use case. The customer is responsible for returning the bike to the shop. The receptionist inputs the customer name, and the computer carries out the activities of finding the hire details, checking the return date, calculating the extra charge if necessary, and calculating the remaining deposit. The mechanic is responsible for checking the bike for damage and calculating the cost of any damage discovered. Finally, the receptionist returns the remaining deposit to the customer.