

A.1.2 Transaction Requirements (Sample)

Data entry

Enter the details of a new branch (such as branch B003 in Glasgow).

Enter the details of a new member of staff at a branch (such as Ann Beech at branch B003).

Enter the details of a lease between a client and property (such as client Mike Ritchie renting out property number PG4 from the 10-May-12 to 9-May-13).

Enter the details of a property advertised in a newspaper (such as property number PG4 advertised in the Glasgow Daily newspaper on the 06-May-12).

Data update/deletion

Update/delete the details of a branch.

Update/delete the details of a member of staff at a branch.

Update/delete the details of a given lease at a given branch.

Update/delete the details of a newspaper advertisement at a given branch.

Data queries

Examples of queries required by the Branch user views:

- (a) List the details of branches in a given city.
- (b) Identify the total number of branches in each city.
- (c) List the name, position, and salary of staff at a given branch, ordered by staff name.
- (d) Identify the total number of staff and the sum of their salaries.
- (e) Identify the total number of staff in each position at branches in Glasgow.
- (f) List the name of each Manager at each branch, ordered by branch address.
- (g) List the names of staff supervised by a named Supervisor.
- (h) List the property number, address, type, and rent of all properties in Glasgow, ordered by rental amount.
- (i) List the details of properties for rent managed by a named member of staff.
- (j) Identify the total number of properties assigned to each member of staff at a given branch.
- (k) List the details of properties provided by business owners at a given branch.
- (l) Identify the total number of properties of each type at all branches.
- (m) Identify the details of private property owners that provide more than one property for rent.
- (n) Identify flats with at least three rooms and with a monthly rent no higher than £500 in Aberdeen.
- (o) List the number, name, and telephone number of clients and their property preferences at a given branch.
- (p) Identify the properties that have been advertised more than the average number of times.
- (q) List the details of leases due to expire next month at a given branch.