

# Assumptions

- Assumption 1: An LGA must have at least one branch.
- Assumption 2: A manager must manage at least one branch.
- Assumption 3: A branch, such as a new branch, can have zero book copy.
- Assumption 4: A book copy can have zero to many loan records.
- Assumption 5: A borrower can have zero to many loan records.
- Assumption 6: A loan record can only contain one book copy and one borrower.
- Assumption 7: A new identifier may have zero book copy.
- Assumption 8: A catalogue must have at least one author.
- Assumption 9: An author can write one to many catalogues.
- Assumption 10: Home branch code in borrower and manager may need different names to escape repeating.
- Assumption 11: A new Home branch may have zero borrower.
- Assumption 12: A catalogue must be published by only one publisher.
- Assumption 13: A borrower class may not have any borrowers.
- Assumption 14: A catalogue must belong to one subject.
- Assumption 15: A borrower can only make one reserve for the same book.
- Assumption 16: Loan has three primary keys, so we combine them into one surrogate key.
- Assumption 17: Reserve has three primary keys, so we combine them into one surrogate key.