



Chapter 5: Conclusion

Final Exam: Question 5

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Correct Options

- Embedding the airlines that fly to/from a city in each of the corresponding **cities** document and keeping a separate copy of the **airlines** documents.

This is a good representation. To be able to store an airline that is not associated with any city yet or to be able to resolve issues between the duplicated information about the airlines, it is recommended to keep a source of truth as a separate collection.

- Referencing the **airlines** documents in each of the corresponding **cities** documents.

This is a valid representation for a Many-to-Many relationship. This form avoids duplication, however, it may lead to more queries.

Incorrect Option

- Embedding the airlines that fly to/from a city in each of the corresponding **cities** document, without having a separate collection for the airlines.

This representation is not recommended for a Many-to-Many relationship. Deleting the only parent document in which an airline document is embedded would make the airline vanish too, which may not be the desired behavior.

Also, because embedding a Many-to-Many relationship creates duplication, keeping a source of truth in an outside collection may prevent issues in case the duplicated information gets out of sync between documents.

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