COMP1204 Data management: Coursework $2\,$

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1 The Relational Model

1.1 EX1

| Attribute name | data type | Attribute name | data type | Attribute name | data type |
|------------------|----------------------|----------------|-----------|---------------------|-----------|
| Author | String | No. helpful | int | Location | int |
| Content | String | Overall | int | Cleanliness | int |
| Date | String | Value | int | Check in/Front desk | int |
| No. readers | int | Rooms | int | Service | int |
| Business service | int | _ | - | _ | - |

Relation Schema:

HotelReview(Author, Content, Date, No. reader, No. helpful, Overall, Value, Rooms, Location, Cleanliness, Checin/Front desk, Service, Business service).

Author attribute is the primary key since all other attributes rely on the author and in order to write a review, you must have an author (no fields in this attribute can be null).

1.2 EX2

Author \rightarrow Content, Date, No. reader, No. helpful, Overall, Value, Rooms, Location, Cleanliness, Check in/Front Author (attribute) should be the determinant for all other attributes since it is the author who decides the scores and the content of the review on a hotel. Candidate keys:

 $Author,\,Author\,+\,Content,\,Author\,+\,Content\,+\,Date.$

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