

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	Number of helpful	int	Location	String
Content	String	Overall	int	Cleanliness	int
Date	String	Value	int	Check in/front desk	int
Number of readers	int	Rooms	int	Service	int
Business service	int				

Attributes:

1. Author - String
2. Content - String
3. Date - String
4. Number of readers - int
5. Number of Helpful - int
6. Overall - int
7. Value - int
8. Rooms - int
9. Location - String
10. Cleanliness - int
11. Check in/front desk - int
12. Service - int
13. Business service - int

Relation Schema:

HotelReview(Author,Content,Date)

1.2 EX2

1.3 EX3

2 Entity-Relationship Diagramming

2.1 EX4

3 Relational Algebra

3.1 EX5

3.2 EX6

3.3 EX7

3.4 EX8

4 SQL Queries

4.1 EX9

4.2 EX10

4.3 EX11

4.4 EX12

4.5 EX13

4.6 EX14

5 Conclusions

5.1 EX15