

COMP1204: Database Theory and Practice Coursework

Huw Jones
27618153

April 12, 2016

1 ERD and Normalisation

1.1 EX1

```
HotelReviews(  
  ReviewID:Integer,  
  Date:Date,  
  URL:String,  
  Content:String,  
  OverallRating:Integer,  
  CheckIn:Integer,  
  Rooms:Integer,  
  Value:Integer,  
  NoHelpful:Integer  
)  
  Author:String,  
  HotelName:String,  
  AveragePrice:Integer,  
  Overall:Integer,  
  BusinessService:Integer,  
  Cleanliness:Integer,  
  Service:Integer,  
  NoReaders:Integer,
```

1.2 EX2

Author	Date	HotelName	→	Content	OverallRating	BusinessService	CheckIn
				Cleanliness	Rooms	Service	Value
				NoReaders	NoHelpful		
HotelName			→	URL	Overall	AveragePrice	

1.3 EX3**1.4 EX4****2 Relation Algebra****2.1 EX5****2.2 EX6****2.3 EX7****2.4 EX8****3 SQL****3.1 EX9****3.2 EX10****3.3 EX11****3.4 EX12****3.5 EX13****3.6 EX14****4 Conclusions**