Assignment 2

Relational Modeling

1.c)

A screenshot of a computer

Description automatically generatedA black and white text

Description automatically generatedA screenshot of a phone

Description automatically generatedA close-up of a black background

Description automatically generatedA black and white screen with text

Description automatically generatedA close-up of a computer screen

Description automatically generatedA screenshot of a phone

Description automatically generatedA screenshot of a phone

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1.d)

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1.e

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Table Name: Payment | |  |  |
|  | Field | Primary Key | Foreign Key | Related Table(s) |
|  | (Attributes) | (Y/N) | (Y/N) | and Cardinality between tables |
|  | payment\_id | Y |  |  |
|  | customer\_id |  | Y | customer(n:1) , rental(n:n) |
|  | staff\_id |  | Y | staff(n:1),rental(1:n) |
|  | rental\_id |  | Y | rental(1:1) |
|  | amount |  |  |  |
|  | payment\_date |  |  |  |
|  | last\_update |  |  |  |
|  | payment\_type\_id |  | Y | payment\_type(1:1) |

2.a

|  |
| --- |
| Insert anomaly - inserting a new staff will require the addition of product details too |
| Update anomaly - updating description or product name requires the update to take place in multiple rows |
| Delete anomaly - deletion of staff details like staff id 1234 would result in the loss of data for ney york location |