Jason Luttrell

CSD310-T301

Normalized Tables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1NF** |  |  |  |  |  |
| Assignment Data Fields | |  |  |  |  |
| publisher\_name | publisher\_ID | publisher\_address | book\_isbn | book\_name | book\_price |
| author\_first\_name | author\_last\_name | author\_phone | author\_email | publisher\_email | author\_address |
|  |  |  |  |  |  |
| **3NF** | |  |  |  |  |
| *Publisher Table* | |  |  |  |  |
| publisher\_ID | publisher\_name |  |  |  |  |
|  |  |  |  |  |  |
| *Book Table* | | |  |  |  |
| book\_isbn | book\_name | book\_price |  |  |  |
|  |  |  |  |  |  |
| *Author Table* | | |  |  |  |
| Author\_ID | author\_first\_name | author\_last\_name |  |  |  |
|  |  |  |  |  |  |
| *Address Table\** | | | | | |
| Table\_Name | Record\_ID | Address\_Line\_1 | Address\_Line\_2 | State | City |
| Zip\_Code |  |  |  |  |  |
|  |  |  |  |  |  |
| *Contact\_Data Table\*\** | | | |  |  |
| Table\_Name | Record\_ID | Contact\_Type\*\*\* | Contact Info |  |  |

\*This table is made because both publishers and authors can have multiple addresses and authors can use a publisher's address.

\*\*This table is made because both publishers and authors can have multiple emails or phone numbers as well as authors can use a publisher's phone number

\*\*\*Would be either email or phone number, but could be keyed to a lookup table that might include home phone, cell phone, public email, private business email, etc.

The Contact Data Table and Adress Table each have a compound key of the table\_name (Either Publisher or Author table) and the Record\_ID (which would be the author\_ID or the publisher\_ID)