**CIS016-1 Normalization Form**

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| **UNF** | **1NF** | **2NF** | **3NF** |
| *List of  un-normalised data*   * *choose the Primary Key* | *Identify repeating groups*   * *data items which there may be more than one of* * *remove repeating groups to another table* * *repeating group has Primary and Secondary Key* | *Identify part key dependencies*   * *does the data item depend on both keys or just one?* | *Non-key dependencies*   * *does the data item depend on another data item or just the key?* * *identify Foreign Keys with \** |
| Username  Title  First Name  Last Name  DOB  Address 1  Address 2  Town  Post code  Organisation Name  Password  Phone no  Email address  Web address  Level  Account no  Payment method  Organisation/General Public  Booking ID  Invoice ID  Concert ID  Name  Location  Artists Name  Start  End  Ticket Price A  Number of tickets A  Ticket Price B  Number of tickets B  Ticket Price C  Number of tickets C  Organisation Price  Number of tickets Organisation  Invoice ID  Number of tickets A  Ticket Cost A  Number of tickets B  Ticket Cost B  Number of tickets C  Ticket Cost C  Number of tickets Organisation  Ticket Cost Organisation  Organiser Username | Username  Title  First Name  Last Name  DOB  Address 1  Address 2  Town  Post code  Organisation Name  Password  Phone no  Email address  Web address  Level  Username  Account no  Payment method  Corporate/General Public  Username  Booking ID  Invoice ID  Concert ID  Name  Location  Artists Name  Start  End  Ticket Price A  Number of tickets A  Ticket Price B  Number of tickets B  Ticket Price C  Number of tickets C  Organisation Price  Number of tickets Organisation  Concert ID  Invoice ID  Number of tickets A  Ticket Cost A  Number of tickets B  Ticket Cost B  Number of tickets C  Ticket Cost C  Number of tickets Organisation  Organiser Username | Username  Title  First Name  Last Name  DOB  Address 1  Address 2  Town  Post code  Organisation Name  Password  Phone no  Email address  Web address  Level  Username  Account no  Payment method  Corporate/General Public  Username  Booking ID  Invoice ID  Concert ID  Name  Location  Artists Name  Start  End  Ticket Price A  Number of tickets A  Ticket Price B  Number of tickets B  Ticket Price C  Number of tickets C  Organisation Price  Number of tickets Organisation  Concert ID  Invoice ID  Number of tickets A  Ticket Cost A  Number of tickets B  Ticket Cost B  Number of tickets C  Ticket Cost C  Number of tickets Organisation  Organiser Username | Username  Title  First Name  Last Name  DOB  Address 1  Address 2  Town  Post code  Organisation Name  Password  Phone no  Email address  Web address  Level  Username  Account no  Payment method  Organisation/General Public  Username  Booking ID  Invoice ID  Concert ID  Name  Location  Artists Name  Start  End  Ticket Price A  Number of tickets A  Ticket Price B  Number of tickets B  Ticket Price C  Number of tickets C  Organisation Price  Number of tickets Organisation  Concert ID  Invoice ID  Number of tickets A  Ticket Cost A  Number of tickets B  Ticket Cost B  Number of tickets C  Ticket Cost C  Number of tickets Organisation  Organiser Username\*  Organiser Username  Concert ID |