

## Normalization process

### Activity sheet

#### \* UNF:

Activity(customer\_id, customer\_name, book\_time, tour\_guide\_id, activity\_code, prescriber\_name, prescriber\_id, performer\_name, performer\_id, performer\_time, activity\_cost, item\_code, item\_description, item\_quantity, item\_cost)

#### \*1NF:

##### Full dependencies:

Perform(customer\_id, activity\_code, perform\_time, item\_cost, customer\_name, book\_time, tour\_guide\_id, prescriber\_name, prescriber\_id, performer\_name, performer\_id, activity\_cost, item\_code, item\_description, item\_quantity)

##### Partial dependencies

Customer(customer\_id, customer\_name, book\_time)

Activity(activity\_code, activity\_name, activity\_cost)

##### Transitive dependencies:

Prescriber(prescriber\_id, prescriber\_name)

Tourguide(tour\_guide\_id, tour\_guide\_name)

#### \*2NF:

##### Dependencies:

Perform(customer\_id, activity\_code, perform\_time, item\_cost, tour\_guide\_id, tour\_guide\_name, prescriber\_name, prescriber\_id, performer\_name, performer\_id, perform\_time, item\_code, item\_description, item\_quantity)

Customer(customer\_id, customer\_name, book\_time)

Activity(activity\_code, activity\_name, activity\_cost)

##### Transitive dependencies:

Prescriber(prescriber\_id, prescriber\_name)

Tourguide(tour\_guide\_id, tour\_guide\_name)

#### \*3NF:

##### Dependencies:

Customer(customer\_id, customer\_name, book\_time)

Activity(activity\_code, activity\_name, activity\_cost)

Prescriber(prescriber\_id, prescriber\_name)

Tourguide(tour\_guide\_id, tour\_guide\_name)

Perform(customer\_id, activity\_code, perform\_time, item\_cost, performer\_id, perform\_time, performer\_name, item\_code, item\_description, item\_quantity)

## Housekeeper sheet

### \*UNF

Housekeeper(housekeeper\_id, housekeeper\_Fname, housekeeper\_Lname, housekeeper\_phone, housekeeper\_cer, housekeeper\_bankcheck, houseshare\_code, houseshare\_name, assign\_date, complete\_date)

### \*1NF:

#### Full dependencies:

Housekeeper\_assign(housekeeper\_id, assign\_date, housekeeper\_Fname, housekeeper\_Lname, housekeeper\_phone, housekeeper\_cer, housekeeper\_bankcheck, houseshare\_name, houseshare\_code, complete\_date)

#### Partial dependencies:

Housekeeper(housekeeper\_id, housekeeper\_Fname, housekeeper\_Lname, housekeeper\_phone, housekeeper\_cer, housekeeper\_bankcheck)

#### Transitive dependencies:

Houseshare(houseshare\_code, houseshare\_name)

### \*2NF:

#### Dependencies:

Housekeeper(housekeeper\_id, housekeeper\_Fname, housekeeper\_Lname, housekeeper\_phone, housekeeper\_cer, housekeeper\_bankcheck)

Housekeeper\_assign(housekeeper\_id, assign\_date, houseshare\_code, houseshare\_name, complete\_date)

#### Transitive dependencies:

Houseshare(Houseshare\_code, houseshare\_name)

### \*3NF:

#### Dependencies:

Housekeeper(housekeeper\_id, housekeeper\_Fname, housekeeper\_Lname, housekeeper\_phone, housekeeper\_cer, housekeeper\_bankcheck)

Houseshare(Houseshare\_code, houseshare\_name)

Housekeeper\_assign(housekeeper\_id, assign\_date, complete\_date)