

USER:

| ID | NAME | TYPE | LENGTH | MEANING | NATURE |
|----|-------------------|------|--------------|----------------------------------|-------------|
| 1 | user_id | N | int | USER ID | Élémentaire |
| 2 | username | AN | varchar(15) | USERNAME (nickname) | Élémentaire |
| 3 | f_name | A | varchar(15) | USER FIRST NAME | Élémentaire |
| 4 | l_name | A | varchar(15) | USER LAST NAME | Élémentaire |
| 5 | adress | AN | varchar(150) | USER ADRESS | Concaténé |
| 6 | tel | N | int(10) | USER PHONE NUMBER | Élémentaire |
| 7 | cin | AN | varchar(10) | USER C.I.N NUMBER | Élémentaire |
| 8 | email | AN | varchar(20) | USER EMAIL | Élémentaire |
| 9 | password | AN | varchar(255) | USER PASSWORD | Élémentaire |
| 10 | user_type | A | varchar(10) | USER TYPE(student, civil..) | Élémentaire |
| 11 | date_of_birth | DATE | date | USER DATE OF BIRTH | Élémentaire |
| 12 | date_open_account | DATE | date/time | DATE AND TIME OF OPENING ACCOUNT | Élémentaire |
| 13 | penalite | N | int(1) | MANY TIMES USER GOT A PENALITE | Élémentaire |

ADMIN

| ID | NAME | TYPE | LENGTH | MEANING | NATURE |
|----|----------|------|--------------|---------------------|-------------|
| 1 | admin_id | N | int | USER ID | Élémentaire |
| 2 | f_name | A | varchar(15) | USERNAME (nickname) | Élémentaire |
| 3 | l_name | A | varchar(15) | USER FIRST NAME | Élémentaire |
| 4 | tel | N | int(10) | USER LAST NAME | Élémentaire |
| 5 | email | AN | varchar(20) | USER ADRESS | Concaténé |
| 6 | password | AN | varchar(255) | USER PHONE NUMBER | Élémentaire |

RESERVATIONS

| ID | NAME | TYPE | LENGTH | MEANING | NATURE |
|----|------------------|------|--------------|-------------------------|-------------|
| 1 | reservation_id | N | int | RESERVATION ID | Élémentaire |
| 2 | username | AN | varchar(15) | USERNAME (Foreign Key) | Élémentaire |
| 3 | reservation_date | DATE | DATE | RESERVATION DATE | Élémentaire |
| 4 | book_id | int | int | BOOK ID (Foreign Key) | Élémentaire |
| 5 | book_name | AN | varchar(255) | BOOK NAME (Foreign Key) | Élémentaire |

BORROWINGS

| ID | NAME | TYPE | LENGTH | MEANING | NATURE |
|----|--------------------|------|--------------|------------------------------|-------------|
| 1 | borrow_id | N | int | BORROW ID | Élémentaire |
| 2 | username | AN | varchar(15) | USERNAME (Foreign Key) | Élémentaire |
| 3 | borrow_date | DATE | DATE | BORROW DATE | Élémentaire |
| 4 | book_name | AN | varchar(255) | BOOK NAME (Foreign Key) | Élémentaire |
| 5 | book_id | N | int | BOOK ID (Foreign Key) | Élémentaire |
| 6 | borrow_return_date | DATE | DATE | DATE OF RETURNING BOOK | Élémentaire |
| 7 | reservation_id | N | int | RESERVATION ID (Foreign Key) | Élémentaire |

BOOKS

| ID | NAME | TYPE | LENGTH | MEANING | NATURE |
|----|---------------|------|--------------|-----------------------------|-------------|
| 1 | book_id | N | int | BOOK ID | Élémentaire |
| 2 | book_name | AN | varchar(255) | BOOK NAME | Élémentaire |
| 3 | book_autor | DATE | varchar(255) | BOOK AUTOR | Élémentaire |
| 4 | cover_image | AN | varchar(255) | IMAGE PATH | Élémentaire |
| 5 | book_status | A | varchar(15) | BOOK SATATUS (New, Good...) | Élémentaire |
| 6 | book_type | A | varchar(15) | BOOK TYPE (Book, Novel..) | Élémentaire |
| 7 | publish_date | DATE | DATE | PUBLISH DATE OF BOOK | Élémentaire |
| 8 | purchase_date | DATE | DATE | PURSHASE DATE OF BOOK | Élémentaire |
| 9 | pages_number | N | int | NUMBER OF BOOKS PAGES | Élémentaire |