# BDE Website Project – Database Conception

1. **Identify the entities and their attributes**

According to the text of the project, the different entities, attributes and types will be :

|  |  |  |
| --- | --- | --- |
| Entities | Attributes | Types |
| User | id | INT |
| name | VARCHAR (200) |
| surname | VARCHAR (200) |
| e-mail | VARCHAR (200) |
| location | VARCHAR (200) |
| password | VARCHAR (20) |
| avatar-url | VARCHAR (200) |
| Role | id | INT |
| name | VARCHAR (200) |
| Events / Manifestations | id | INT |
| name | VARCHAR (200) |
| description | VARCHAR (200) |
| image-url | VARCHAR (500) |
| date | DATE |
| price | INT |
| is-repeating | BOOLEAN |
| Articles | id | INT |
| name | VARCHAR (200) |
| description | VARCHAR (200) |
| image-url | VARCHAR (200) |
| price | INT |
| Category | id | INT |
| name | VARCHAR (200) |

1. **Identify the different relationships**

User **0,n 🡪 1,1** Role (🡪 = **Have**)

User **0,n 🡪 0,n** Articles (🡪 = **Order**)

User **1,1 🡪 0,n** Suggestions (🡪 = **Make**)

User **1,1 🡪 0,n** Events / Manifestations (🡪 = **Post**)

User **0,n 🡪 0,n** Events / Manifestations (🡪 = **Vote**)

User **0,n 🡪 0,n** Events / Manifestations (🡪 = **Comment**)

Articles **0,n 🡪 1,1** Category (🡪 = **Belong to**)