|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user | | | | |
| Key | type | length | description | Annotation |
| id | Int | 16 | Not null，primary key, unique,  auto increment | User id |
| name | Char | 45 | Not null | name |
| Password | Char | 45 | Not null | password |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| circuit | | | | |
| Key | type | length | description | Annotation |
| id | Int | 16 | Not null，primary key, auto increment | Circuit id |
| name | Char | 45 | Not null | Circuit name which defined by user |
| User\_id | Int | 16 | Not null, foreign key | Identify the circuit created by whom |
| Circuit\_file\_address | Char | 100 | Not null | Save circuit diagram as a file on the server, this key will record the address |
| Circuit\_snapshoot | Char | 100 | Not null | Save address the snap shoot of the circuit |