|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Pc Configurator** | | | | | |
| **users** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| username | VARCHAR(30) |  |  | NOT NULL | UNIQUE |
| password | VARCHAR(255) |  |  | NOT NULL |  |
| Role | ENUM(‘USER’,’ADMIN’) |  | ‘USER’ | NOT NULL |  |
| **companies** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| Name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| **sockets** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK |  | NOT NULL |  |
| name | VARCHAR(30) |  |  | NOT NULL | UNIQUE |
| **processors** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(30) |  |  | NOT NULL | UNIQUE |
| socketId | INT |  |  | NOT NULL |  |
| generation | VARCHAR(40) |  |  | NOT NULL |  |
| cores | INT(2) |  |  | NOT NULL |  |
| frequency | INT(2) |  |  | NOT NULL |  |
| consuming | INT(3) |  |  | NOT NULL |  |
| threads | INT(2) |  |  | NOT NULL |  |
| graphic | ENUM(‘TRUE’, ’FALSE’) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **coolers** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| rotationsMin | INT(4) |  |  | NOT NULL |  |
| rotationsMax | INT(4) |  |  | NOT NULL |  |
| connector | ENUM(‘2’, ‘4’) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **motherboards** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| socketId | INT |  |  | NOT NULL |  |
| memoryCount | INT(1) |  |  | NOT NULL |  |
| memoryType | ENUM(‘DDR’,‘DDR2’,‘DDR3’,  ‘DDR4’,‘DDR5’) |  |  | NOT NULL |  |
| memoryMax | INT(3) |  |  | NOT NULL |  |
| memoryFrequence | INT(4) |  |  | NOT NULL |  |
| wifi | ENUM(‘TRUE’, ‘FALSE’) |  |  | NOT NULL |  |
| sataports | INT(1) |  |  | NOT NULL |  |
| sata3ports | INT(1) |  |  | NOT NULL |  |
| usb2ports | INT(1) |  |  | NOT NULL |  |
| usb3ports | INT(1) |  |  | NOT NULL |  |
| dviport | INT(1) |  |  | NOT NULL |  |
| hdmi | INT(1) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **memorys** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| type | ENUM(‘DDR’,‘DDR2’,‘DDR3’,  ‘DDR4’,‘DDR5’) |  |  | NOT NULL |  |
| storage | INT(2) |  |  | NOT NULL |  |
| frequency | INT(5) |  |  | NOT NULL |  |
| consuming | INT(3) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **harddrives** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| storage | INT(4) |  |  | NOT NULL |  |
| type | ENUM(‘HDD’, ‘SSD’) |  |  | NOT NULL |  |
| writeSpeed | INT(3) |  |  | NOT NULL |  |
| readSpeed | INT(3) |  |  | NOT NULL |  |
| sataType | ENUM(‘SATA2’,’SATA3’) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **videocards** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| hdmi | INT(1) |  |  | NOT NULL |  |
| dvi | INT(1) |  |  | NOT NULL |  |
| frequency | INT(4) |  |  | NOT NULL |  |
| memory | INT(2) |  |  | NOT NULL |  |
| coolers | INT(1) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **powerblocks** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| power | INT(4) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **corpuses** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| name | VARCHAR(80) |  |  | NOT NULL | UNIQUE |
| coolers | INT(1) |  |  | NOT NULL |  |
| Usb | INT(1) |  |  | NOT NULL |  |
| price | FLOAT(6) |  |  | NOT NULL |  |
| companyId | INT | FK |  | NOT NULL |  |
| **builds** | | | | | |
| **Атрибут** | **Type** | **Ключ** | **Значение по умолчанию** | **Обязательное поле** | **Extra** |
| id | INT | PK | IDENTITY | NOT NULL |  |
| processorId | INT | FK |  | NOT NULL |  |
| coolerId | INT | FK |  | NOT NULL |  |
| coolerCount | INT(1) |  |  | NOT NULL |  |
| motherboardId | INT | FK |  | NOT NULL |  |
| memoryId | INT | FK |  | NOT NULL |  |
| memoryCount | INT(1) |  |  | NOT NULL |  |
| harddriveId | INT | FK |  | NOT NULL |  |
| harddriveCount | INT(1) |  |  | NOT NULL |  |
| videocardId | INT | FK |  | NOT NULL |  |
| videocardCount | INT(1) |  |  | NOT NULL |  |
| powerblockId | INT | FK |  | NOT NULL |  |
| corpusId | INT | FK |  | NOT NULL |  |
| userId | INT | FK |  | NOT NULL |  |