user

|  |  |  |  |
| --- | --- | --- | --- |
| **username** | **real\_name** | **password** | **shipping\_address** |

credit\_card

|  |  |
| --- | --- |
| **username** | **card\_number** |

auction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Id** | **title** | **user\_host** | **item\_description** | **start** | **end** |

category

|  |  |  |
| --- | --- | --- |
| **id** | **name** | **parent** |

pertains

|  |  |
| --- | --- |
| **category\_id** | **auction\_id** |