**Data dictionary for users table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Required** | **Data type** | **Key** | **Max field Size** | **Description** | **Example** | **unique** |
| userId | **yes** | **Number (int)** | **pri** | Sizeof int | unique id for each user | **012** | **YES** |
| **Names** | yes | **text** | **-** | **240** | A full name that identify the user | **Ihozo Marie Honnette** | **NO** |
| **Email** | **yes** | **text** | **-** | **50** | **Email to contact user or be used for authentication** | **email@email.com** | **yes** |
| **Phone** | **No** | **text** |  | **15** | **Telephone to contact user** | **0787745990** | **no** |
| **Role** | **yes** | **int** | **MUL** | **Sizeof Int** | **Role Id representing the role of the user** | **Admin** | **no** |
| **districtId** | **yes** | **int** | **MUL** | **Sizeof in t** | **Unique field to represent the district a user belong to** | **Musanze** | **no** |
| **sectorId** | **yes** | **int** | **MUL** | **Sizeof int** | **Unique field to represent the sector a user belong to** | **Musanze** | **No** |
| **username** | **yes** | **Text(alpha\_numeric)** | **-** | **35** | **Nickname for the user.**  **Can be used for authentication** | **Honest** | **yes** |
| **Password** | **yes** | **-** |  | **128** | **Secret key used for authentication.**  **Must be kept in a hashed format.** | **DSFJer12%%"\*g** | **yes** |

**Data dictionary for cars Info table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Required** | **Data type** | **Key** | **Max field Size** | **Description** | **Example** | **unique** |
| **carId** | **yes** | **int** | **PRI** | **Sizeof int** | unique id for each car | **12** | **yes** |
| **name** | **yes** | **text** |  | **240** | **Name of the car** | **RAVA4** | **yes** |
| **seats** | **yes** | **int** |  | **Sizeof int** | **Number of the seats the car can hold** | **23** | **no** |
| **carimage** | **yes** | **text** |  | **240** | **Image of the car** | **Image.jpg** | **no** |
| **price** | **yes** | **int** |  | **240** | **The price required to rent a car** | **$20000** | **no** |
| **hired** | **yes** | **tinyint(1)** |  | **1** | **Shows the car that have been hired** | **1** | **no** |
| **model** | **yes** | **text** |  | **2000** | **Shows the model of the car** | **GBH** | **no** |

**Data dictionary for roles table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Required** | **Data type** | **Key** | **Max field Size** | **Description** | **Example** | **unique** |
| **roleId** | **yes** | **int** | **Pri** | **Sizeof int** | Unique field to identify the role | **12** | **yes** |
| **roleName** | **yes** | **text** | **-** | **240** | **Name of the role** | **Admin** | **yes** |

**Data dictionary for hiredcars**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Required** | **Data type** | **Key** | **Max field Size** | **Description** | **Example** | **unique** |
| **carId** | **yes** | **int** | **pri** | **Sizeof int** | **To uniquely identify the car that has been hired** | **2** |
| **hireTime** | **yes** | **datetime** | **-** |  | **Show the time time a certain user hired a car** |  |
| **email** | **yes** | **text** | **-** | **240** | **Show the user who hired a car** | **email@email.com** |

**Data dictionary resetsPasswords**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Required** | **Data type** | **Key** | **Max field Size** | **Description** | **Example** | **unique** |
| **id** | **yes** | **int** | **Primary key** | **Sizeof int** | **To uniquely identify the field** | **1** | **yes** |
| **email** | **yes** | **text** | **-** | **255** | **To show the user who requested to change the password** | **uwenayoallain@gmail.com** | **yes** |
| **token** | **yes** | **text** |  | **255** | **A key that proves that the user is real** | **9a49448e18685c4f9a1b** | **yes** |
| **expires** | **yes** | **Int** |  | **Sizeof int** | **indicates the expiration of the token** | **1623280843** | **no** |