Table 3.1 User table

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| **Attribute** | **Description** |
| user\_id | The order of data stored in the table. |
| username | The name of the user. |
| password | A secret used to confirm the identity of a user. |
| gender | The state of being male or female. |
| phone\_number | The number of the mobile phone. |
| register\_time | The time when a user registered. |
| user address | The address where a user lives. |
| device\_key | The registration token of the device produced by Firebase Cloud Messaging. |

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| **Attribute** | **Description** |
| id | The order of data stored in the table. |
| county\_name | The name of the county in Taiwan. |

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| **Attribute** | **Description** |
| id | The order of data stored in the table. |
| township\_name | The name of the township. |
| county\_name | The name of the county in Taiwan. |

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| --- | --- |
| **Attribute** | **Description** |
| id | The order of data stored in the table. |
| order\_number | The unique number of package delivery order. |
| sender\_name | The name of the sender. |
| receiver\_name | The name of the receiver. |
| container\_id | The unique container number. |
| in\_time | The time when the cargo is load on to the truck. |
| out\_time | The time when the cargo is unload the truck. |
| truck\_id | The ID of the truck. |
| status | The shipping situation of the cargo. |
| weight | The weight of the cargo. |
| cargo\_content | The content of the cargo. |
| size | The size of the selected container. |
| price | The amount of money for which the cargo is sold. |
| sender\_lng | The longitude of the sender’s appointed address. |
| sender\_lat | The latitude of the sender’s appointed address. |
| receiver\_lng | The longitude of the receiver’s appointed address. |
| receiver\_lat | The latitude of the receiver’s appointed address. |
| order\_time | The time when the order is established. |
| sender\_time | The time when the sender selects the expected the arrival time of the truck. |
| receiver\_time | The time when the receiver selects the expected the arrival time of the truck. |