1. Introduction

Using HTTP Protocol to communicate

1. Common Data Define
   1. GPS Data Format

**GPS:lat,lng;Text:\*\*\*;**

eg:

GPS & address: GPS:10.123,10.256;Text:someplace;

No GPS & address: GPS:null;Text:someplace;

GPS& no address: GPS: 10.123,10.256;Text:null;

* 1. HTTP GET format

Passenger App Interface: http://<Server>/**passenger**?type=<TypeID>&<ParameterMaps>

Taxi App Interface: http://<Server>/**taxi**?type=<TypeID>&<ParameterMaps>

* 1. TypeID Data Dictionary Table

P\*\*\*: shows Passenger App Interface

T\*\*\*: shows Taxi App Interface

Tabel1. Passenger Interface Data Dictionary Table

|  |  |  |
| --- | --- | --- |
| TypeID | Interface method |  |
| P001 | Passenger Register | Web |
| P002 | Passenger login |  |
| P003 | Call Taxi |  |
| P004 | Get Confirmation |  |
| P005 | Cancel Call |  |
| P006 | Credit Rating |  |
| P007 | Query Taxi Credit |  |
| P008 | Query Taxi real-time location |  |
| P009 | UploadGPS/Tracking |  |
| P010 | Query Taxi Detail Info |  |

Table2. Taxi Interface Data Dictionary Table

|  |  |  |
| --- | --- | --- |
| TypeID | Interface method |  |
| T001 | Taxi Register | Web |
| T002 | Taxi login |  |
| T003 | UploadGPS/Tracking |  |
| T004 | Confirm call/request |  |
| T005 | Cancel call/request |  |
| T006 | Credit Rating |  |
| T007 | Query passenger Credit detail |  |
| T008 | Query passenger real-time location |  |
| T009 | Query detail request info. |  |

* 1. xx

1. Passenger Interface

PIntf: http://<servername>/passenger?type=< TypeID >

* 1. P001---Register[Optional]

[Post] json data is better!

JSON Data{

}

else [GET] Data

<PIntf>&

Return

JSON Data

{

ErrorCode:”XX”,

UserID:”XXXXXXXXXX”

}

* 1. P002---Login

Interface Format

<PIntf>&user=<email>&pwd=<password>

Return

JSON Data

{

ErrorCode:”XX”,

UserID:”XXXXXXXXXX”

}

* 1. P003---Call Taxi

[Post] json data is better!

JSON Data{

}

else [Get] Data

<PIntf>&

Return

JSON Data

{

ErrorCode:”XX”,

requestNo:”XXXXXXXXXX”

}

* 1. P004---Get Confirmation

Interface Format

<PIntf>&id=XXX&phone=XX&requestNo=XXX

Return

JSON Data

{

ErrorCode:”XX”,

requestNo:”XXXXXXXXXX”,

plateNumber:”川A123456”,

credit:4.5,

GPS:{lat:XX,lng:XX}

}

* 1. P005--- Cancel Call

<PIntf>&id=XXX&phone=XX&requestNo=XXX&comments=XXXXXXXXXX

Return

String Data

ErrorCode:”XX”

* 1. P006---Credit Rating

<PIntf>&id=XXX&requestNo=XXX&credit=4.5&comments=XXXXXXXXXXXXXXX

Return

String Data

ErrorCode:”XX”

* 1. P007---Query Taxi Credit

<PIntf>&id=XXX&cab=XXX

JSON Data

{

ErrorCode:”XX”,

credits: [ {

credit:4.5,

comments:XXXXXXXXXXXX,

nickname:XX,

time:”2011-03-30 15:30”

},…]

}

* 1. P008--- Query Taxi real-time location
  2. P009--- UploadGPS/Tracking
  3. P010---Query Taxi detail Info

1. Taxi Interface