

Database Design

supplier

```
{
    id : integer
    username : string // for login
    password : string
    name : string      // real name, for display
    email : string
    phone : string
    description : string
    position : [Xposition , Yposition ]
    classification_id : integer //various in bank,hospital,gym...
}
```

classificaton

```
{
    id : integer
    name : string
}
```

user

```
{
    id : integer
    username : string // for login
    password : string
    name : string      // for display
    phone : string
    total_number : integer //how many times this user have made appo
    cancel_number : integer // how many time this user have canceled appo
    attribute:{
        ...
    }
}
```

appointment {

```
    user_id : integer
    service_id : integer
    comment : string
    rate : integer //rang(1,5)
    status : appointegermented,waiting,servering,finished,canceled
    appointegerment_time: string
    // when user arrived the place,begin to waiting
```

```

    waiting_begin_time: string
    // when user begin to be servered
    servered_begin_time: string
    // when user finished the service
    finished_time: time
}

service
{
    id : integereger
    name : string
    supplier_id : integer
    keyword : [word1,word2,word3..]
    average_rate : fraction
    total_number : integer
    avaiable_tiem : [Monday,Tuesday,...]
    timeTable :[
        {
            id:integer          //different with other time period
            begin : time
            end : time
            //max people during this period,assigned by supplier
            max_num : integer
            //number of people have made appointegerment,default 0
            app_num : integer
            // how many people have be finished,default 0
            finished_num: integer
            //how many people have arrived the place,begin to waiting
            waiting_num: integer
            //the waiting people's id,for supplier to choose one to server
            waiting_people:[userID1,userID2,userID3]
        },...]
    history : [
        {
            date : string
            begin : string
            end : time
            finised_people : integer
            average_wating_time: string    //how integer will each wait
            average_server_time: string    //how integer will each taken
        },...]
    ]
}

```

