DATABASE PROPOSAL

[StanDrop Website]

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1. users

This **users collection** will store all the user who have registered with us.
The users collection would be like the sample object design as below:

```
{
    _id : "an uuid",
    name : "customer name",
    address : [ ],    //sub-document
    dob : "date",
    mobile : "customer contact number",
    image : "url for customer image",
    reg_date : "date of customer registration",
    loginDetail : [ ],  // sub-document
    rewards : "online available rewards"
}
```

Document Details for **users** collection

Field Name	Field Type	Description
_id	String	Unique identifier for user
name	String	Name of user
address	Sub Document	Address of the user
dob	Date	Date of Birth of user
mobile	String	Mobile number of user
image	String	Account picture of user
reg_date	Date	Date and time
user_login	Sub Document	Login details
rewards	Number	Available online rewards point

Users Sub-document Object

```
address: This subdocument is used to describe the address of the
user.
```

```
{
    house_no : "House number of the customer",
    street : "street name",
    landmark : "important landmark",
    city : "city of residence",
    state : "state",
    zip_code : "Zip code of the city"
}
```

Sub-document Details

Field Name	Field Type	Description
house_no	String	House number of the customer
street	String	street name of the customer
landmark	String	important landmark
city	String	city of residence
state	String	state
zip_code	Number	Zip code of the city

loginDetail : This subdocument is used to describe the user's login details.

```
{
    email : "email address of the customer",
    password : "password for secure login",
    userID : "Login ID"
}
```

Sub-document Details

Field Name	Field Type	Description
email	String	Email address of the customer used for registration
password	String	A crypted string that is a hashed version of the user's password
userID	Number	Auto generated by the system after successful of registration of the user while creating account

Users Collection Example

```
{
    "_id": "4d3fa589-3071-4498-8845-e38a02de177b",
    "name": "Sumit Gupta",
    "address": [
        {
            "house_no": "241 A",
            "street": "Sherman Ave",
            "landmark": "Near light rail",
            "city": "Jersey City",
            "state": "New Jersey",
```

```
                "zip_code: 07037
        },
        {
                "house_no": 5207,
                "street": "Riverside station",
                "landmark": "Near exchange place",
                "city": "Secaucus",
                "state": "New Jersey",
                "zip_code": 07095
        }
    ],

    "dob": "09/17/1992",
    "mobile": "5512578290",
    "image": "http://sumit-gupta.info/profile-picture.jpg",
    "reg_date": "2018-10-25T21:38:40z",
    "loginDetail": [
        {
                "email": "sgupta34@steven.edu",
                "password":"$2a$08$XdvNkfdNIL8Fq7l8xsuIWncShU.O",
                "userID":12345
        }
    ],
    "rewards": 70
}
```

2. employee

This **employee collection** will store all the employee data who are employed with us. The employee collection would be like the sample object design as below:

```
{

     _id : "an uuid",
     name : "employee name",
     address : [ ],    //sub-document
     position : "position of employee",
     dob : "date",
     mobile : "employee contact number",
     image : "url for employee image",
     joining_date : "date of joining of employee",
     passport_no: "employee passport number",
     loginDetail : [ ]    // sub-document


}
```

Document Details for **employee** collection

Field Name	Field Type	Description
_id	String	Unique identifier for employee
name	String	Name of employee
address	Sub Document	Address of the employee
position	String	Position of employee
dob	Date	Date of Birth of employee
mobile	String	Mobile number of employee
image	String	Account picture of employee
joining_date	Date	Date of joining
passport_no	String	Employee passport number
loginDetail	Sub Document	Login details

Employee Sub-document
Address: This subdocument is used to describe the address of the employee.

```
{

     house_no : "House number of the employee",
     street : "street name",
     landmark : "important landmark",
     city : "city of residence",
     state : "state",
     zip_code : "Zip code of the city"

}
```

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Sub-document Details

Field Name	Field Type	Description
house_no	String	House number of the employee
street	String	street name of the employee
landmark	String	important landmark
city	String	city of residence
state	String	State
zip_code	Number	Zip code of the city

loginDetail : This subdocument is used to describe the employee's login details.

```
{
    email : "email address of the employee",
    password : "password for secure login",
    userID : "Login ID"
}
```

Sub-document Details

Field Name	Field Type	Description
email	String	Email address of the employee.
password	String	A crypted string that is a hashed version of the employee's password
userID	Number	Auto generated by the system for each employee.

Employee Collection Example

```
{
    "_id": "4d3fa589-3071-4498-8845-e38a02de177b",
    "name": "Sumit Gupta",
    "address": [
        {
            "house_no": "241 A",
            "street": "Sherman Ave",
            "landmark": "Near light rail",
            "city": "Jersey City",
            "state": "New Jersey",
            "zip_code": 07037
        },
        {
            "house_no": 5207,
```

```
                    "street": "Riverside station",
                    "landmark": "Near exchange place",
                    "city": "Secaucus",
                    "state": "New Jersey",
                    "zip_code": 07095
            }
        ],
        "position": "partner",
        "dob": "09/17/1992",
        "mobile": "5512578290",
        "image": "http://sumit-gupta.info/profile-picture.jpg",
        "joining_date": "2018-10-25T21:39:20z",
        "passport_no": "k1414288",
        "loginDetail": [
            {
                    "email": "sgupta37@steven.edu",
                    "password":"$2a$08$XvjkdNIL8Fq7l8xsuIWncShU.O",
                    "userID":12345
            }
        ]
}
```

3. admin

This **admin collection** will store all the admin data who have admin rights.
The admin collection would be like the sample object design as below:

```
{
     _id : "an uuid",
     name : "admin name",
     image : "url for admin image",
     loginDetail : [ ]    // sub-document

}
```

Document Details for **admin** collection

Field Name	Field Type	Description
_id	String	Unique identifier for admin
name	String	Name of admin
image	String	Account picture of admin
loginDetail	Sub Document	Login details

Admin Sub-document

loginDetail : This subdocument is used to describe the admin's
login details.

```
{
     email : "email address of the admin",
     password : "password for secure login",
     userID : "Login ID"
}
```

Sub-document Details

Field Name	Field Type	Description
email	String	Email address of the admin.
password	String	A crypted string that is a hashed version of the admin's password
userID	Number	Auto generated by the system for each admin.

Admin Collection Example

```
{
     "_id": "4d3fa589-3071-4498-8845-e38a02de177b",
     "name": "Sumit Gupta",
     "image": "http://sumit-gupta.info/profile-picture.jpg",
     "joining_date": "2018-10-25T21:39:20z",
     "loginDetail": [
         {
              "email": "sgupta37@steven.edu",
              "password":"$2a$08$XvjkdNIL8Fq7l8xsuIWncShU.O",
              "userID":12345
         }
     ]
}
```

4. comments

This **comments Collection** will be used to store the Different comments and suggestions provided by the customers and their ratings

```
{
    _id : "an uuid",
    email : "Email id of the customer",
    mobile : "mobile number of the user",
    services :[{}], // Array of Objects
    comments : "The comments regarding the services",
    suggestions : "Suggestions for the company"
}
```

Document Details for **Comments** Collection

Field Name	Field Type	Description
_id	String	Comments Id
email	String	Customers Email ID
mobile	String	Customers Mobile number
services	Object	Services Used and their Ratings
comments	String	Comments for the services
suggestions	String	Suggestions for the company

Array Of Object Details

services:

This is an Array of Objects that will store the different services used by the customer along with their ratings.

```
[
    {
        service_used : "the service taken by the customer",
        rating : "the rating for that service"
    }
]
```

Array of Object Details

Field Name	Field Type	Description
service_used	String	The service used
rating	Number	The rating for that service

Comment Collection Example

```
{
     "_id": "4d3fa589-3071-4498-8845-e38a02de177b",
     "email": "sumit_gupta@gmail.com",
     "mobile": "2456325248",
     "services":
     [
          {
               "service_used": "Standing in a queue",
               "rating": 10
          },
          {
            "service_used": "Sending item with time constraints"
             "rating": 10
          }
     ],
     "comments": "Good Services, Trustworthy",
     "suggestion": "Keep up the good work"
}
```

5. products

The **products Collection** will be used store all the information of the products offered.

```
{
    product_id: "an uuid",
    service_name: "the name of the service linked with the id"
}
```

Document Detail of the **Product** Collection

Field Name	Field Type	Desciption
product_id	String	Unique id of the product
service_name	String	The name of the service to be assigned the specific id.

Product Collection example

```
{
    "product_id": "4d3fa589-3071-4498-8845-e38a02de177c",
    "service_name": "Stand in a queue"
}
```

6. prod_cust

The prod_cust Collection will be used to store the information from both the customer and the product collection. This Collection will carry the information that which customer used which product.

```
{
     U_id: "Id of the user taking the service",
     E_id: "Id of the Employee providing the Service",
     P_id: "Id of the service Provided",
     C_id: "Id of the feedback from user"
     location: "Location where the service was provided"
}
```

Document Detail of prod_cust Collection,

Field Name	Field Type	Description
U_id	String	Id of user
E_id	String	Id of Employee
P_id	String	Id of Product
C_id	String	Id of feedback
location	String	Location where the service was provided

Prod_Cust Collection Example

```
{
     "U_id": "4d3fa589-3071-4498-8845-e38a02de177a",
     "E_id": "4d3fa589-3071-4498-8845-e38a02de177b",
     "P_id": "4d3fa589-3071-4498-8845-e38a02de177c",
     "C_id": "4d3fa589-3071-4498-8845-e38a02de177e",
     "location": "101.5E,45N"
}
```