**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”

}

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

c**omments** : “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”

}