

Database Proposal

Tables and the fields for Project Database

*SubDocuments are not stored as part of their own collection. For understanding purpose we have given the JSON object as mentioned in sample database proposal.

Collection: userRegistration

Registration details of user like name, dob, email, password, contact, location are to be filled by user at the time of creating account. These details are then submitted to the system and an auto generated identifier is assigned to the user by the system.

Field Name	Field Type	Description	Subdocuments (if any)
userId	int	Auto generated by the system after successful of registration of the user while creating account	
name	string	An name to represent the customer	
dob	Date	Added detail for customer so we can provide discounts for birthday.	
address	string	Location is necessary for delivery so it will be stored.	
userLogin	Login	Login details of user	Details of login for customer

```
{
  "userId": "10000000",
  "name": "Poonam",
  "dob": "07/20/1993",
  "address": "New Jersey",
  "userLogin": {
    "email": "pbhilare@stevens.edu",
    "Password": "rest123",
    "userId": "10000000"
  }
}
```

SubDocument: userLogin There are two users in our system. One is admin and other is customer. Each user will be having username and password to login to the system after registration.			
Field Name	Field Type	Description	Subdocuments (if any)
email	string	Email is required so customers can receive confirmations and serves as username	
passWord	string	Password for login to the system provided by the user while registration	
userId	int	Auto generated by the system after successful of registration of the user while creating account	
<pre>{ "email": "pbhilare@stevens.edu", "Password": "rest123", "userId": "10000000" }</pre>			
Collection: Menu There are two users in our system. One is admin and other is customer. Each user will be having username and password to login to the system after registration.			
Field Name	Field Type	Description	Subdocuments (if any)
menuName	String	This is the high level menu like SOUP, MEALS, BRUNCH	
subMenu	Menu	Here we can add low level menu to the root menu SOUP, MEALS, BRUNCH	The menu for SOUP, MEALS and BRUNCH can be added to this subdocument

```
{
  {
    "menuName": "SOUP",
    "subMenu": [
      {
        "subMenuName": "Veg Soup",
        "price": 10,
      },
      {
        "subMenuName": "Non Veg Soup",
        "price": 10,
      },
      {
        "subMenuName": "Lentil Soup",
        "price": 15,
      },
    ]
  },
  {
    "menuName": "MEALS",
    "subMenu": [
      {
        "subMenuName": "Veg Meals",
        "price": 10,
      },
      {
        "subMenuName": "Non Veg Meals",
        "price": 10,
      },
      {
        "subMenuName": "Sea Food",
        "price": 15,
      },
    ]
  }
}
```

Subdocuments: subMenu

subMenuName	String	This is the array of menus	
price	Int	This is the cost of each of the menu	

		mentioned in the submenus on menu page	
<pre>{ "subMenuName": "Veg Meals", "price": "10", }</pre>			
Collection: Order This table stores the details about the customer orders and can be accessed by the user as and when required to check past history or past orders.			
Field Name	Field Type	Description	Subdocuments (if any)
userId	int	Id assigned to customer by system after registration	
userName	string	User name of the customer	
orderDate	timestamp	Ordered date	
orderNumber	int	Id assigned for each order by system after confirmation of order is submitted	
amount	double	This is the total amount of the order paid by the customer	
itemsOrder	Item	This includes the list of items ordered by the customer for that order number	This will have a subdocument having itemName, quantity, price of the order
<pre>{ "userId": "10000000", "userName": "Poonam", "orderDate": "11/20/2017T17:30:05Z", "orderNumber": "10212154", "amount": "53.00", "itemsOrder": [{ "userId": "10000000",</pre>			

<pre> "itemName": "Veg Soup", "quantity": "2", "price": "10" }, { "userId": "10000000", "itemName": "Veg Meal", "quantity": "3", "price": "10" }] } </pre>			
Subdocument: ItemsOrder			
userId	int	Id assigned to customer by system after registration	
itemName	String	Menu name being ordered by the customer	
quantity	int	This is quantity of item ordered by customer	
price	Int	This is the cost of each of the menu mentioned in the submenus on menu page	
<pre> { "userId": "10000000", "itemName": "Veg Soup", "quantity": "2", "price": "10" } </pre>			
Collection: myCart This table stores the details about the customer current added cart details, with delivery option and payment			
Field Name	Field Type	Description	Subdocuments (if any)
userID	int	Id assigned to	

		customer by system after registration	
itemsOrder	Item	This includes the list of items ordered by the customer for current cart state	This will have a subdocument having itemName, quantity, price for current cart order
payment	Payment	It stores the details about the customer payments	It specifies customer payment and mode of payment
deliveryMode	DeliveryMode	This states the delivery mode (home/pickup) for the order mentioned by customer	It specifies the time and charges if home delivery
<pre>{ "userId":"10000000", "itemsOrder":[{ "userId":"10000000", "itemName":"Veg Soup", "quantity":"2", "price":"10" }, { "userId":"10000000", "itemName":"Veg Meal", "quantity":"3", "price":"10" }], "payment":{ "userId":"10000000", "paymentMode":{ "mode":"credit", "creditCardNumber":"1234567892345678", "cvv":"321", "expiryDate":"07/2018" }, "amount":"53.00" }, "deliveryMode":{ "userId":"10000000",</pre>			

<pre> "deliveryType": "Home Delivery", "deliveryTime": "11/12/2017T15:30:44Z", "deliveryCharge": "3.00" } } </pre>			
Subdocument:deliveryMode This table stores the details about the delivery type, time and charges of the delivery.			
Field Name	Field Type	Description	Subdocuments (if any)
userId	int	Id assigned to customer by system after registration	
deliveryType	string	It mentions if delivery type is home delivery or pick up	
deliveryTime	timestamp	It gives the order ready time to customer	
deliveryCharge	int	It mentions delivery charges if the type is home delivery	
<pre> { "userId": "10000000", "deliveryType": "Home Delivery", "deliveryTime": "11/12/2017T15:30:44Z", "deliveryCharge": "3.00" } </pre>			
Subdocument:Payment This table stores the details about the customer payments.			
Field Name	Field Type	Description	Subdocuments (if any)
userId	int	Id assigned to customer by system after registration	
paymentMode	PaymentMode	This can be cash, credit or visa mode whichever customer	Optional

		selects for payment	
amount	int	This represents amount to be paid by customer	
<pre>{ "userId":"10000000", "paymentMode":{ "mode":"credit", "creditCardNumber":"1234567892345678", "cvv":"321", "expiryDate":"07/2018" }, "amount":"53.00" }</pre>			
Subdocuments: paymentMode			
mode	String	Customer needs to select mode of payment (cash, credit, visa)	
creditCardNumber	int	Account number of customer if mode selected is credit or visa	
cvv	Int	This is 3 digit number entered by customer for validation of credit card number	
expiryDate	Date	This is validity of credit card	
<pre>{ "mode":"credit", "creditCardNumber":"1234567892345678", "cvv":"321", "expiryDate":"07/2018" }</pre>			
Collection:ContactUs This table stores the details about the customer queries.			
Field Name	Field Type	Description	Subdocuments (if

			any)
name	string	This shows customer name of the customer	
email	string	This shows email address of the customer	
message	string	This is the message send by customer	
<pre>{ "name": "Poonam", "email": "pbhilare@stevens.edu", "message": "I have ordered veg soup but i got a lentil soup. Can you please resend the veg soup" }</pre>			