Group Name: 43

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Project DB Proposal : Online Pet Adoption ( Rescue )

1. Users

This users collection is for the purpose of storing all necessary e-commerce customer information needed to allow for login, purchase, and payment by the customers.

**Users Document Object example JSON**

{

"userId" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"firstName" : "John" ,

"lastName" : "Doe" ,

"email" : "JDoe@gmail.com" ,

“mobilePhone” : “201-555-1212”,

"streetAddress" : "333 River Street ",

"city" : "Hoboken" ,

"state" : "NJ" ,

"zipcode" : "07030",

"age" : "25" ,

"password" : "$2a$08$XdvNkfdNIL8F8xsuIUeSbNOF" ,

"paymentArray" : [ payment Sub-document type ],

"orderArray" : [ transId1, transId2… ],

"favorites" : [pet document type],

}

**Users Document Object - definitions**

{

**userId:** “customer userid”

**firstName** : “customer first name”,

**lastName:** “customer last name”,

**email** : “customer email id”,

**mobilePhone** : “customer contact number”,

**streetAddress:** “streetAddress of customer’

**city:** “City address”

**state:** “State address”

**zipcode:** “Zipcode”

**password:** “encrypted password”

**paymentArray** : [ ], // sub-document credit card payment info

**orderArray**: [ ], // array of String transIds

**favorites**: [ ], // array of pet document type

}

Document Details for **users** collection

|  |  |  |
| --- | --- | --- |
| Document Details for **users** collection **Field Name** | **Field Type** | **Description** |
| userId | String | Unique identifier for user |
| firstName | String | First Name of user |
| |  |  |  | | --- | --- | --- | | lastName | String | First Name of user | | String | Last Name of user |
| email | String | Email id of user |
| mobilePhone | String | Mobile number of user |
| streetAddress | String | Street Address of user |
| city | String | City address |
| state | String | State address |
| zipcode | String | zipcode |
| password | String | Encrypted String |
| paymentArray | Array of Payment sub-document type | Payment details for user |
| orderArray | Array of Strings | Array of transaction Ids |
| favorites | Array of Pet Documents type | Array of pets |

Users Payment sub-document object

{

**cardName** : “full name on card”,

**cardNumber** : “card number”,

**cardType** : “type of card credit/debit”,

**cardBank** : “bank or company issued card”,

**expDate** : “expiration date of card”

}

Document Details for **payment sub-document**

|  |  |  |
| --- | --- | --- |
| Document Details for **payment sub-document**  **Field Name** | **Field Type** | **Description** |
| cardName | String | Name on card |
| cardNumber | String | Number on card |
| |  |  |  | | --- | --- | --- | | cardType | String | First Name of user | | String | Debit/credit |
| cardBank | String | Email id of user |
| expDate | String | Mobile number of user |

**Example Payment Sub-document Array….**

[

{

"cardName" : "John Doe" ,

"cardNumber" : "1234-1234-1234-1234" ,

"cardType" : "credit" ,

"cardBank" : "PNC Bank" ,

“expDate” : “07/23”,

},

{

"cardName" : "John Doe" ,

"cardNumber" : "1234-1234-1234-5555" ,

"cardType" : "debit" ,

"cardBank" : "TD Bank" ,

“expDate” : “09/23”,

}

]

1. Pets

This pets collection is for the purpose of storing all necessary e-commerce pet information needed to allow for the presentation and information of the pets waiting to be adopted.

**Pets Document Object example JSON**

{

"petId" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"name" : "fido" ,

"type" : "Dog" ,

"color" : "Black" ,

“breed” : “Lab”,

“age” : “6 months”,

"description" : "Likes kids,has shots",

"img" : "/image/fido.jpg",

"price" : "$1000",

"status" : "Available",

"comments" : [Comments sub-document type],

"likes" : 10,

}

**Pets Document Object - definitions**

{

**petId:** “petid”

**name** : “petname”,

**type:** “Dog/Cat”,

**color**: “color of pet”,

**breed**: “pet breed ”,

**age:** “age of pet years/months”,

**description:** “general description and anyother info”,

**img:** “URL of image”,

**price:** “price to purchase pet”,

**status:** “available/sold”

**comment:** [ ] //array of comment sub-document type

**likes:** “number of users that clicked liked on the pet”

}

|  |  |  |
| --- | --- | --- |
| Document Details for **pets** collection **Field Name** | **Field Type** | **Description** |
| petId | String | Unique identifier for pet |
| name | String | Name of pet |
| type | String | Dog or Cat |
| color | String | Color of pet |
| breed | String | Breed of pet |
| Age | String | Age of pet years/months |
| Description | String | Description of pet and any extra info |
| Img | String | URL to the image of the pet |
| Price | String | Encrypted String |
| Status | String | Sold/Available |
| Comments | Object | Array of the Comment Sub-document that holds all users comments on the pet |
| Likes | Number | Number of users that like the pet |

**Pet Comment Sub-Document Object example JSON**

{

"firstName" : "John" ,

"lastName" : "Doe" ,

“comment”: “I love this pet!”,

}

**Pets Comment Sub-Document Object - definitions**

{

**firstname:** //first name of user commenting

**lastname:** //last name of user commenting

**comment:** //user comment

}

|  |  |  |
| --- | --- | --- |
| Document Details for **pets comment sub-document**  **Field Name** | **Field Type** | **Description** |
| firstname | String | First name of user |
| lastname | String | Last name of user |
| Comment | String | Comment that user posted for the given pet |

1. Orders

This orders collection is for the purpose of storing all necessary e-commerce order information needed to deliver the pet and bill for the pet.

**Pets Document Object example JSON**

{

"transId" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"userId" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"petId" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"payment" : payment sub-document type ,

"date" : "6/22/2021" ,

"status" : "delivered" ,

}

**Order Document Object - definitions**

{

**transId:** “transaction id”,

**userId:** “user id”,

**petId:** “petid”,

**payment** : payment sub-document, // sub-document credit card payment info

**date** : “date of purchase”,

**status:** “billed/delivered/refunded”,

}

Document Details for **orders** collection

|  |  |  |
| --- | --- | --- |
| Document Details for **orders** collection **Field Name** | **Field Type** | **Description** |
| transId | String | Unique identifier for transaction |
| userId | String | userId of purchaser |
| |  |  |  | | --- | --- | --- | | petId | String | First Name of user | | String | petId of pet sold |
| payment | Payment Sub-Document | Payment details for this transaction |
| date | String | Date of trasaction |
| status | String | Billed/delivered/refunded…. |