



MongoDB Physical Model

Schema for:

Model name: New Model

Author:

Version:

File name: MongoDB model New Model.json

File path: D:\Users\lykard\Documents\Stage\Family Organizer App\MongoDB model New Model.json

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2. Databases

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3. Relationships

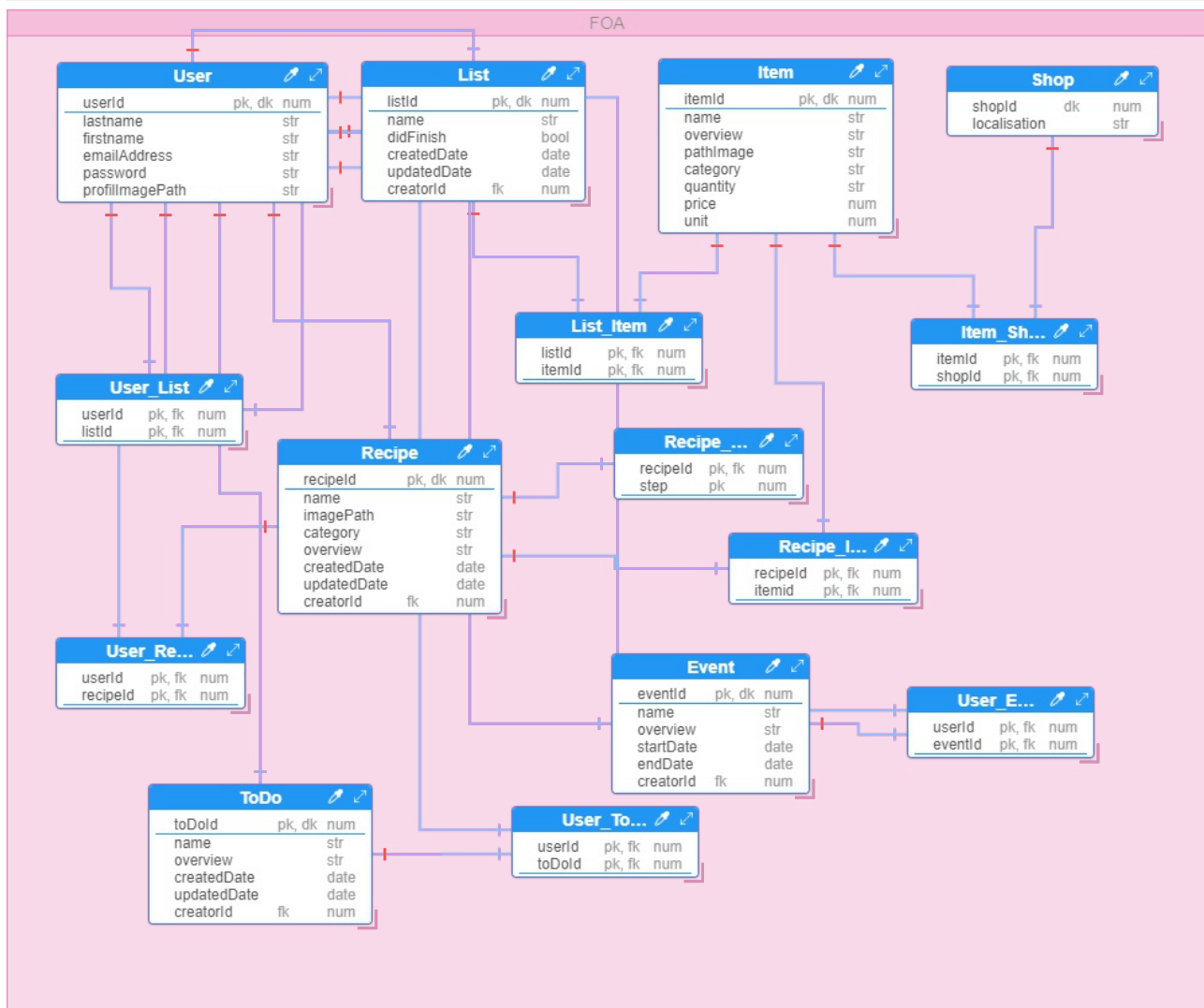
- 3.1 fk Event.eventId to User_Event.eventId
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- 3.13 fk User.userId to List.creatorId

- 3.14 fk User.userId to Recipe.creatorId
- 3.15 fk User.userId to ToDo.creatorId
- 3.16 fk User.userId to User_Event.userId
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- 3.19 fk User.userId to User_ToDo.userId

1. MODEL

1.1 Model New Model

1.1.1 New Model Entity Relationship Diagram



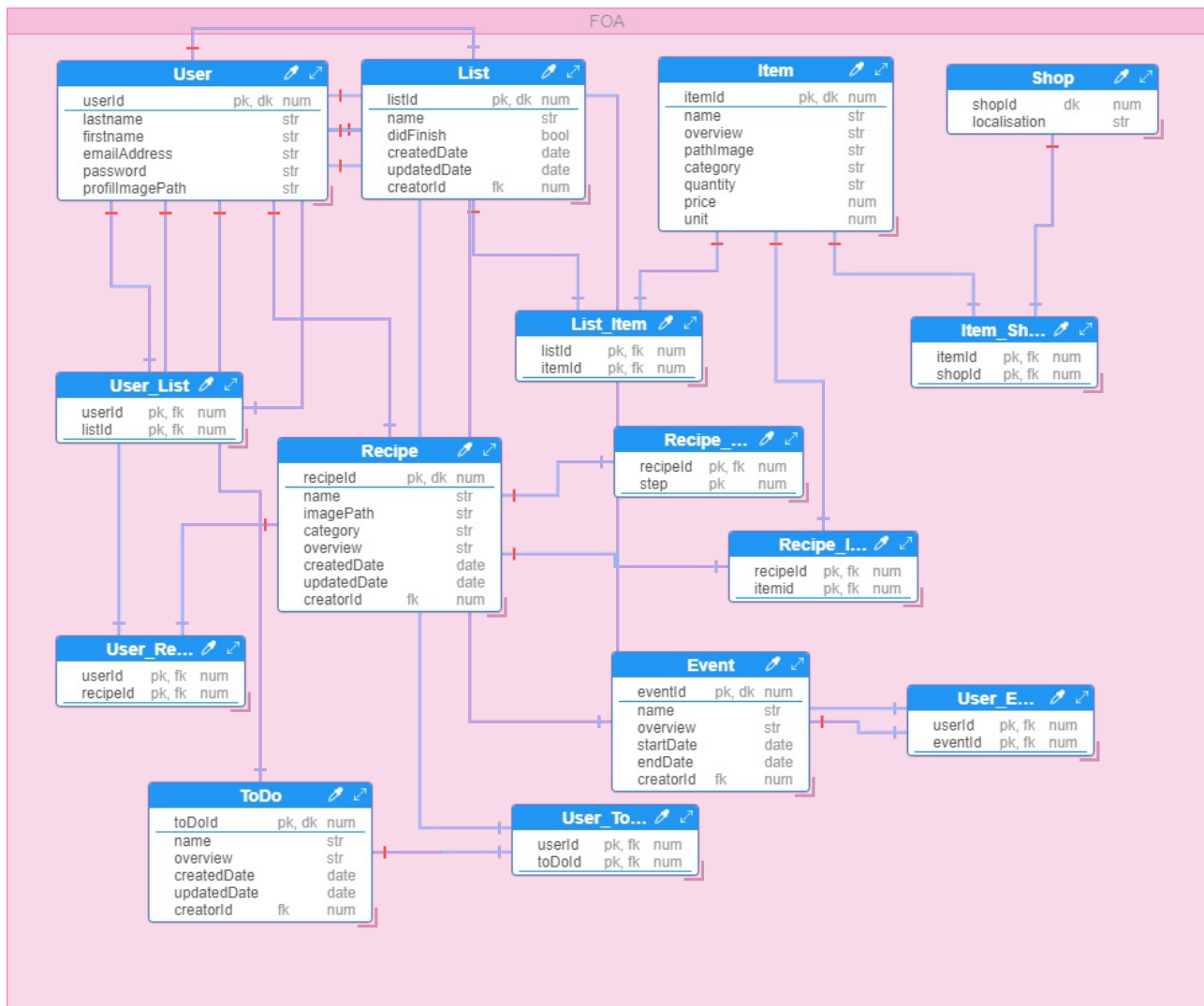
1.1.2 New Model Properties

PROPERTY	VALUE
Model name	New Model
Technical name	
Description	
Author	
Version	
DB vendor	MongoDB
DB version	v4.4
Comments	

1.1.3 New Model DB Definitions

2. DATABASES

2.1 Database FOA



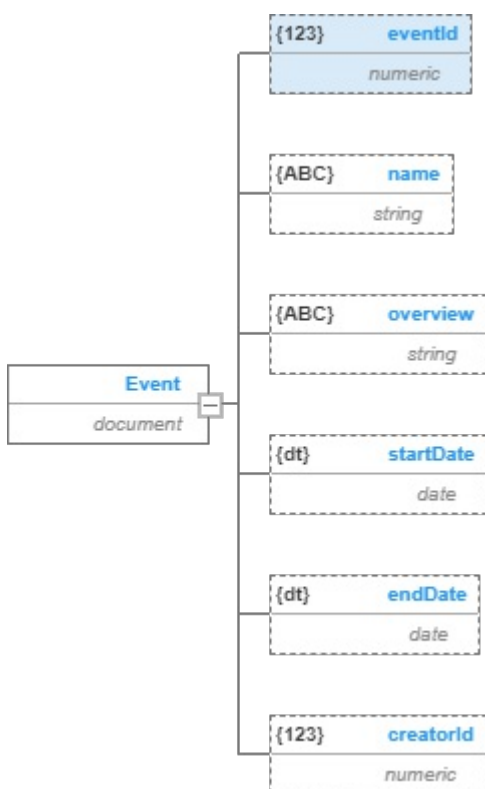
2.1.1 FOA Properties

PROPERTY	VALUE
Database name	FOA
Technical name	Family Organizer App
Activated	true
Enable sharding	
Description	
Comments	

2.1.2 FOA Collections

2.1.2.1 Collection Event

2.1.2.1.1 Event Tree Diagram



2.1.2.1.2 Event Properties

PROPERTY	VALUE
Collection name	Event
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.1.3 Event Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
eventId	numeric	false			
name	string	false			
overview	string	false			
startDate	date	false			
endDate	date	false			
creatorId	numeric	false			

2.1.2.1.3.1 Field eventId

2.1.2.1.3.1.1 eventId Tree Diagram



2.1.2.1.3.1.2 eventId properties

PROPERTY	VALUE
Name	eventId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.1.3.2 Field name

2.1.2.1.3.2.1 name Tree Diagram



2.1.2.1.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.1.3.3 Field overview**2.1.2.1.3.3.1 overview Tree Diagram**

2.1.2.1.3.3.2 overview properties

PROPERTY	VALUE
Name	overview
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.1.3.4 Field startDate

2.1.2.1.3.4.1 startDate Tree Diagram



2.1.2.1.3.4.2 startDate properties

PROPERTY	VALUE
Name	startDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.3.5 Field endDate

2.1.2.1.3.5.1 endDate Tree Diagram



2.1.2.1.3.5.2 endDate properties

PROPERTY	VALUE
Name	endDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.3.6 Field creatorId

2.1.2.1.3.6.1 creatorId Tree Diagram



2.1.2.1.3.6.2 creatorId properties

PROPERTY	VALUE
Name	creatorId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.1.4 Event JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Event",
  "additionalProperties": false,
  "properties": {
    "eventId": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "overview": {
      "type": "string"
    },
    "startDate": {
      "type": "string",
      "format": "date-time"
    },
    "endDate": {
      "type": "string",
      "format": "date-time"
    },
    "creatorId": {
      "type": "number"
    }
  }
}
```

2.1.2.1.5 Event JSON data

```
{
  "eventId": 63,
  "name": "Lorem",
  "overview": "Lorem",
  "startDate": ISODate("2016-04-08T15:06:21.595Z"),
  "endDate": ISODate("2016-04-08T15:06:21.595Z"),
  "creatorId": 26
}
```

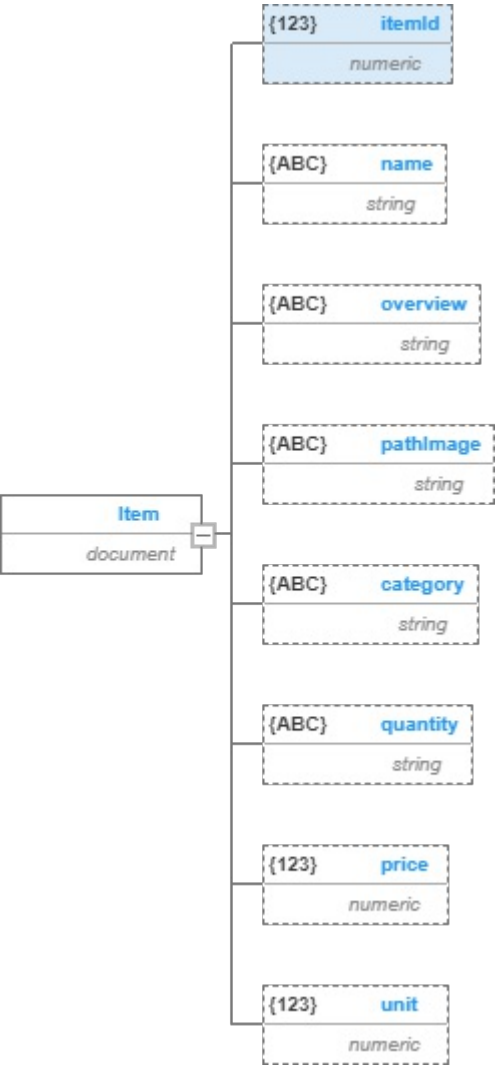
2.1.2.1.6 Event Target Script

```
use Family Organizer App;

db.createCollection( "Event",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Event",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "eventId": {
          "bsonType": "number"
        },
        "name": {
          "bsonType": "string"
        },
        "overview": {
          "bsonType": "string"
        },
        "startDate": {
          "bsonType": "date"
        },
        "endDate": {
          "bsonType": "date"
        },
        "creatorId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.2 Collection Item

2.1.2.2.1 Item Tree Diagram



2.1.2.2.2 Item Properties

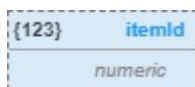
PROPERTY	VALUE
Collection name	Item
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.2.3 Item Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
itemId	numeric	false			
name	string	false			
overview	string	false			
pathImage	string	false			
category	string	false			
quantity	string	false			
price	numeric	false			
unit	numeric	false			

2.1.2.2.3.1 Field itemId

2.1.2.2.3.1.1 itemId Tree Diagram



2.1.2.2.3.1.2 itemId properties

PROPERTY	VALUE
Name	itemId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.2.3.2 Field name

2.1.2.2.3.2.1 name Tree Diagram



2.1.2.2.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.2.3.3 Field overview

2.1.2.2.3.3.1 overview Tree Diagram



2.1.2.2.3.3.2 overview properties

PROPERTY	VALUE
Name	overview
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.2.3.4 Field pathImage

2.1.2.2.3.4.1 pathImage Tree Diagram



2.1.2.2.3.4.2 pathImage properties

PROPERTY	VALUE
Name	pathImage
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.2.3.5 Field category

2.1.2.2.3.5.1 category Tree Diagram



2.1.2.2.3.5.2 category properties

PROPERTY	VALUE
Name	category
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.2.3.6 Field quantity

2.1.2.2.3.6.1 quantity Tree Diagram



2.1.2.2.3.6.2 quantity properties

PROPERTY	VALUE
Name	quantity
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.2.3.7 Field price**2.1.2.2.3.7.1 price Tree Diagram**

2.1.2.2.3.7.2 price properties

PROPERTY	VALUE
Name	price
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.2.3.8 Field unit

2.1.2.2.3.8.1 unit Tree Diagram



2.1.2.2.3.8.2 unit properties

PROPERTY	VALUE
Name	unit
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.2.4 Item JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Item",
  "additionalProperties": false,
  "properties": {
    "itemId": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "overview": {
      "type": "string"
    },
    "pathImage": {
      "type": "string"
    },
    "category": {
      "type": "string"
    },
    "quantity": {
      "type": "string"
    },
    "price": {
      "type": "number"
    },
    "unit": {
      "type": "number"
    }
  }
}
```

2.1.2.2.5 Item JSON data

```
{
  "itemId": -48,
  "name": "Lorem",
  "overview": "Lorem",
  "pathImage": "Lorem",
  "category": "Lorem",
  "quantity": "Lorem",
  "price": -71,
  "unit": -94
}
```

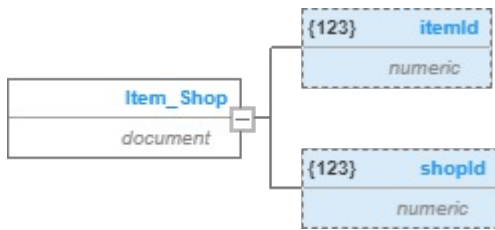
2.1.2.2.6 Item Target Script

```
use Family Organizer App;

db.createCollection( "Item",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Item",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "itemId": {
          "bsonType": "number"
        },
        "name": {
          "bsonType": "string"
        },
        "overview": {
          "bsonType": "string"
        },
        "pathImage": {
          "bsonType": "string"
        },
        "category": {
          "bsonType": "string"
        },
        "quantity": {
          "bsonType": "string"
        },
        "price": {
          "bsonType": "number"
        },
        "unit": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.3 Collection Item_Shop

2.1.2.3.1 Item_Shop Tree Diagram



2.1.2.3.2 Item_Shop Properties

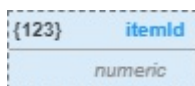
PROPERTY	VALUE
Collection name	Item_Shop
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.3.3 Item_Shop Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
itemid	numeric	false			
shopId	numeric	false			

2.1.2.3.3.1 Field itemid

2.1.2.3.3.1.1 itemid Tree Diagram

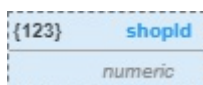


2.1.2.3.3.1.2 itemId properties

PROPERTY	VALUE
Name	itemId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Item
Foreign field	itemId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.3.3.2 Field shopId

2.1.2.3.3.2.1 shopId Tree Diagram



2.1.2.3.3.2 shopId properties

PROPERTY	VALUE
Name	shopId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Shop
Foreign field	shopId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.3.4 Item_Shop JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Item_Shop",
  "additionalProperties": false,
  "properties": {
    "itemId": {
      "type": "number"
    },
    "shopId": {
      "type": "number"
    }
  }
}
```

2.1.2.3.5 Item_Shop JSON data

```
{
  "itemId": 62,
  "shopId": -53
}
```

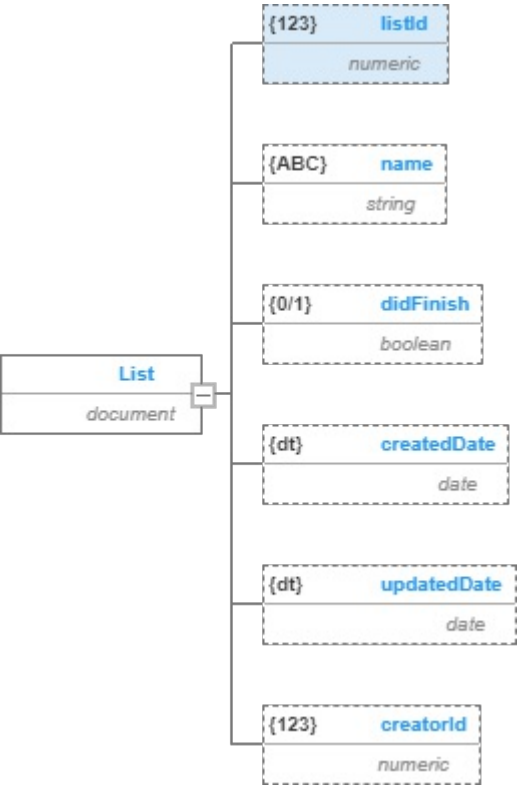
2.1.2.3.6 Item_Shop Target Script

```
use Family Organizer App;

db.createCollection( "Item_Shop",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Item_Shop",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "itemId": {
          "bsonType": "number"
        },
        "shopId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.4 Collection List

2.1.2.4.1 List Tree Diagram



2.1.2.4.2 List Properties

PROPERTY	VALUE
Collection name	List
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.4.3 List Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
listId	numeric	false			
name	string	false			
didFinish	boolean	false			
createdDate	date	false			
updatedAt	date	false			
creatorId	numeric	false			

2.1.2.4.3.1 Field listId

2.1.2.4.3.1.1 listId Tree Diagram



2.1.2.4.3.1.2 listId properties

PROPERTY	VALUE
Name	listId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.4.3.2 Field name

2.1.2.4.3.2.1 name Tree Diagram



2.1.2.4.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.3 Field didFinish

2.1.2.4.3.3.1 didFinish Tree Diagram



2.1.2.4.3.3.2 didFinish properties

PROPERTY	VALUE
Name	didFinish
Technical name	
Activated	true
Id	
Type	boolean
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.4 Field createdAt

2.1.2.4.3.4.1 createdAt Tree Diagram



2.1.2.4.3.4.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.5 Field updatedAt

2.1.2.4.3.5.1 updatedDate Tree Diagram



2.1.2.4.3.5.2 updatedDate properties

PROPERTY	VALUE
Name	updatedDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.6 Field creatorId

2.1.2.4.3.6.1 creatorId Tree Diagram



2.1.2.4.3.6.2 creatorId properties

PROPERTY	VALUE
Name	creatorId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.4.4 List JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "List",
  "additionalProperties": false,
  "properties": {
    "listId": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "didFinish": {
      "type": "boolean"
    },
    "createdDate": {
      "type": "string",
      "format": "date-time"
    },
    "updatedAt": {
      "type": "string",
      "format": "date-time"
    },
    "creatorId": {
      "type": "number"
    }
  }
}
```

2.1.2.4.5 List JSON data

```
{
  "listId": -74,
  "name": "Lorem",
  "didFinish": true,
  "createdDate": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z"),
  "creatorId": -9
}
```

2.1.2.4.6 List Target Script

```

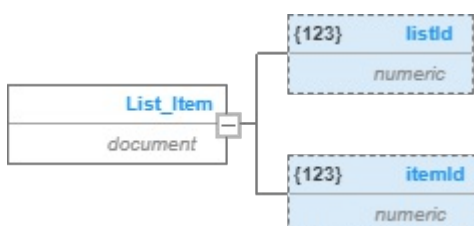
use Family Organizer App;

db.createCollection( "List",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "List",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "listId": {
          "bsonType": "number"
        },
        "name": {
          "bsonType": "string"
        },
        "didFinish": {
          "bsonType": "bool"
        },
        "createdDate": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        },
        "creatorId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});

```

2.1.2.5 Collection List_Item

2.1.2.5.1 List_Item Tree Diagram



2.1.2.5.2 List_Item Properties

PROPERTY	VALUE
Collection name	List_Item
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.5.3 List_Item Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
listId	numeric	false			
itemId	numeric	false			

2.1.2.5.3.1 Field listId

2.1.2.5.3.1.1 listId Tree Diagram



2.1.2.5.3.1.2 listId properties

PROPERTY	VALUE
Name	listId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	List
Foreign field	listId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.5.3.2 Field itemId

2.1.2.5.3.2.1 itemId Tree Diagram



2.1.2.5.3.2 itemId properties

PROPERTY	VALUE
Name	itemId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Item
Foreign field	itemId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.5.4 List_Item JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "List_Item",
  "additionalProperties": false,
  "properties": {
    "listId": {
      "type": "number"
    },
    "itemId": {
      "type": "number"
    }
  }
}
```

2.1.2.5.5 List_Item JSON data

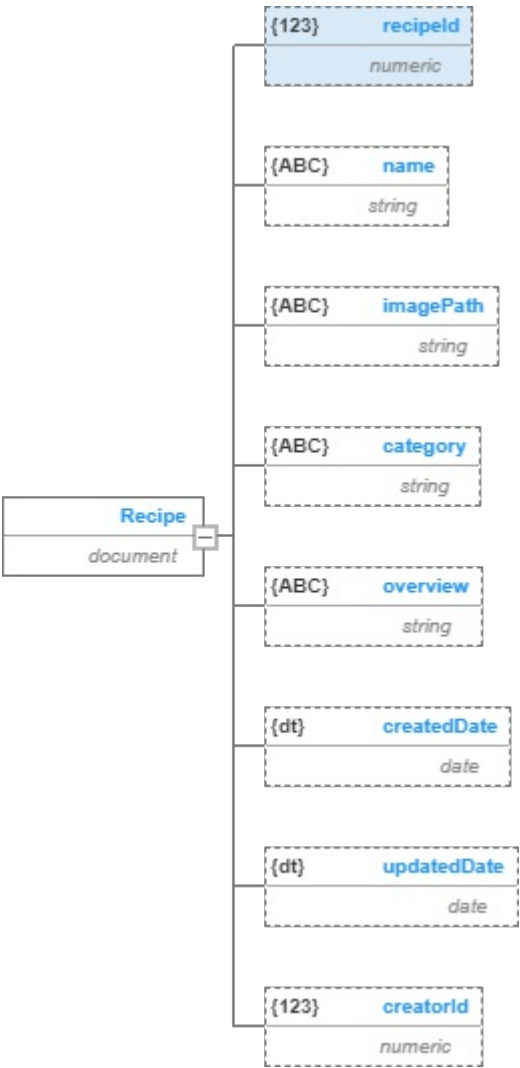
```
{  
  "listId": 45,  
  "itemId": 63  
}
```

2.1.2.5.6 List_Item Target Script

```
use Family Organizer App;  
  
db.createCollection( "List_Item",{  
  "storageEngine": {  
    "wiredTiger": {}  
  },  
  "capped": false,  
  "validator": {  
    "$jsonSchema": {  
      "bsonType": "object",  
      "title": "List_Item",  
      "additionalProperties": false,  
      "properties": {  
        "_id": {  
          "bsonType": "objectId"  
        },  
        "listId": {  
          "bsonType": "number"  
        },  
        "itemId": {  
          "bsonType": "number"  
        }  
      }  
    }  
  },  
  "validationLevel": "off",  
  "validationAction": "warn"  
});
```

2.1.2.6 Collection Recipe

2.1.2.6.1 Recipe Tree Diagram



2.1.2.6.2 Recipe Properties

PROPERTY	VALUE
Collection name	Recipe
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.6.3 Recipe Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
recipeld	numeric	false			
name	string	false			
imagePath	string	false			
category	string	false			
overview	string	false			
createdDate	date	false			
updatedAt	date	false			
creatorId	numeric	false			

2.1.2.6.3.1 Field recipeld

2.1.2.6.3.1.1 recipeld Tree Diagram



2.1.2.6.3.1.2 recipeld properties

PROPERTY	VALUE
Name	recipeld
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.6.3.2 Field name

2.1.2.6.3.2.1 name Tree Diagram



2.1.2.6.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.6.3.3 Field imagePath

2.1.2.6.3.3.1 imagePath Tree Diagram



2.1.2.6.3.3.2 imagePath properties

PROPERTY	VALUE
Name	imagePath
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.6.3.4 Field category**2.1.2.6.3.4.1 category Tree Diagram**

2.1.2.6.3.4.2 category properties

PROPERTY	VALUE
Name	category
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.6.3.5 Field overview**2.1.2.6.3.5.1 overview Tree Diagram**

2.1.2.6.3.5.2 overview properties

PROPERTY	VALUE
Name	overview
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.6.3.6 Field createdDate

2.1.2.6.3.6.1 createdDate Tree Diagram



2.1.2.6.3.6.2 createdDate properties

PROPERTY	VALUE
Name	createdDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.6.3.7 Field updatedDate

2.1.2.6.3.7.1 updatedDate Tree Diagram



2.1.2.6.3.7.2 updatedDate properties

PROPERTY	VALUE
Name	updatedDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.6.3.8 Field creatorId

2.1.2.6.3.8.1 creatorId Tree Diagram



2.1.2.6.3.8.2 creatorId properties

PROPERTY	VALUE
Name	creatorId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.6.4 Recipe JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Recipe",
  "additionalProperties": false,
  "properties": {
    "recipeId": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "imagePath": {
      "type": "string"
    },
    "category": {
      "type": "string"
    },
    "overview": {
      "type": "string"
    },
    "createdAt": {
      "type": "string",
      "format": "date-time"
    },
    "updatedAt": {
      "type": "string",
      "format": "date-time"
    },
    "creatorId": {
      "type": "number"
    }
  }
}
```

2.1.2.6.5 Recipe JSON data

```
{
  "recipeId": -13,
  "name": "Lorem",
  "imagePath": "Lorem",
  "category": "Lorem",
  "overview": "Lorem",
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z"),
  "creatorId": 59
}
```

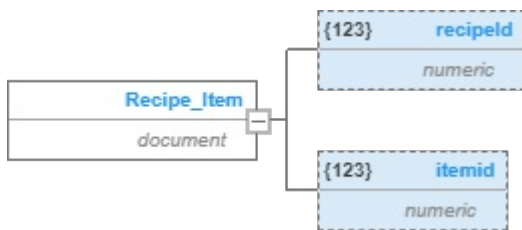

2.1.2.6.6 Recipe Target Script

```
use Family Organizer App;

db.createCollection( "Recipe",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Recipe",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "recipeId": {
          "bsonType": "number"
        },
        "name": {
          "bsonType": "string"
        },
        "imagePath": {
          "bsonType": "string"
        },
        "category": {
          "bsonType": "string"
        },
        "overview": {
          "bsonType": "string"
        },
        "createdDate": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        },
        "creatorId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.7 Collection Recipe_Item

2.1.2.7.1 Recipe_Item Tree Diagram



2.1.2.7.2 Recipe_Item Properties

PROPERTY	VALUE
Collection name	Recipe_Item
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.7.3 Recipe_Item Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
recipeld	numeric	false			
itemid	numeric	false			

2.1.2.7.3.1 Field recipeld

2.1.2.7.3.1.1 recipeld Tree Diagram



2.1.2.7.3.1.2 recipeld properties

PROPERTY	VALUE
Name	recipeld
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Recipe
Foreign field	recipeld
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.7.3.2 Field itemid

2.1.2.7.3.2.1 itemid Tree Diagram



2.1.2.7.3.2 itemid properties

PROPERTY	VALUE
Name	itemid
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Item
Foreign field	itemid
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.7.4 Recipe_Item JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Recipe_Item",
  "additionalProperties": false,
  "properties": {
    "recipeld": {
      "type": "number"
    },
    "itemid": {
      "type": "number"
    }
  }
}
```

2.1.2.7.5 Recipe_Item JSON data

```
{
  "recipeId": -80,
  "itemId": -82
}
```

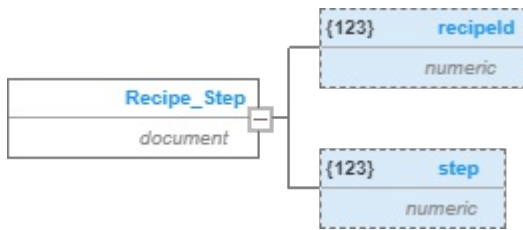
2.1.2.7.6 Recipe_Item Target Script

```
use Family Organizer App;

db.createCollection( "Recipe_Item",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Recipe_Item",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "recipeId": {
          "bsonType": "number"
        },
        "itemId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.8 Collection Recipe_Step

2.1.2.8.1 Recipe_Step Tree Diagram



2.1.2.8.2 Recipe_Step Properties

PROPERTY	VALUE
Collection name	Recipe_Step
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.8.3 Recipe_Step Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
recipeld	numeric	false			
step	numeric	false			

2.1.2.8.3.1 Field recipeld

2.1.2.8.3.1.1 recipeld Tree Diagram



2.1.2.8.3.1.2 recipeld properties

PROPERTY	VALUE
Name	recipeld
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.8.3.2 Field step

2.1.2.8.3.2.1 step Tree Diagram



2.1.2.8.3.2.2 step properties

PROPERTY	VALUE
Name	step
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.8.4 Recipe_Step JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Recipe_Step",
  "additionalProperties": false,
  "properties": {
    "recipeld": {
      "type": "number"
    },
    "step": {
      "type": "number"
    }
  }
}
```

2.1.2.8.5 Recipe_Step JSON data


```
{
  "recipeId": -27,
  "step": 90
}
```

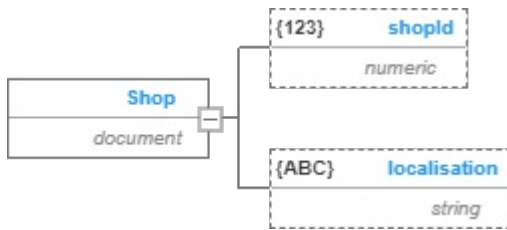
2.1.2.8.6 Recipe_Step Target Script

```
use Family Organizer App;

db.createCollection( "Recipe_Step",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Recipe_Step",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "recipeId": {
          "bsonType": "number"
        },
        "step": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.9 Collection Shop

2.1.2.9.1 Shop Tree Diagram



2.1.2.9.2 Shop Properties

PROPERTY	VALUE
Collection name	Shop
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.9.3 Shop Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
shopId	numeric	false			
localisation	string	false			

2.1.2.9.3.1 Field shopId

2.1.2.9.3.1.1 shopId Tree Diagram



2.1.2.9.3.1.2 shopld properties

PROPERTY	VALUE
Name	shopld
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.9.3.2 Field localisation

2.1.2.9.3.2.1 localisation Tree Diagram



2.1.2.9.3.2.2 localisation properties

PROPERTY	VALUE
Name	localisation
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.9.4 Shop JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Shop",
  "additionalProperties": false,
  "properties": {
    "shopId": {
      "type": "number"
    },
    "localisation": {
      "type": "string"
    }
  }
}
```

2.1.2.9.5 Shop JSON data

```
{
  "shopId": 88,
  "localisation": "Lorem"
}
```

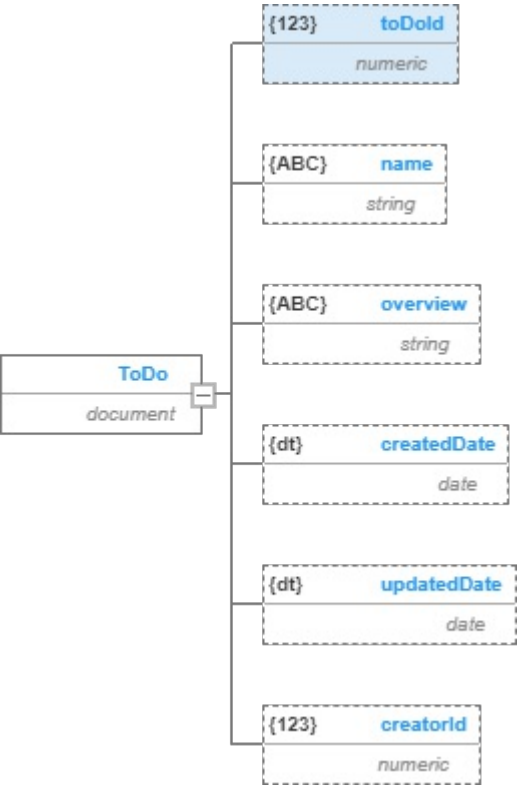
2.1.2.9.6 Shop Target Script

```
use Family Organizer App;

db.createCollection( "Shop",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Shop",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "shopId": {
          "bsonType": "number"
        },
        "localisation": {
          "bsonType": "string"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.10 Collection ToDo

2.1.2.10.1 ToDo Tree Diagram



2.1.2.10.2 ToDo Properties

PROPERTY	VALUE
Collection name	ToDo
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.10.3 ToDo Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
toDold	numeric	false			
name	string	false			
overview	string	false			
createdDate	date	false			
updatedAt	date	false			
creatorId	numeric	false			

2.1.2.10.3.1 Field toDold

2.1.2.10.3.1.1 toDold Tree Diagram



2.1.2.10.3.1.2 toDold properties

PROPERTY	VALUE
Name	toDold
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.10.3.2 Field name

2.1.2.10.3.2.1 name Tree Diagram



2.1.2.10.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.10.3.3 Field overview

2.1.2.10.3.3.1 overview Tree Diagram



2.1.2.10.3.3.2 overview properties

PROPERTY	VALUE
Name	overview
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.10.3.4 Field createdAt**2.1.2.10.3.4.1 createdAt Tree Diagram**

2.1.2.10.3.4.2 createdDate properties

PROPERTY	VALUE
Name	createdDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.10.3.5 Field updatedDate

2.1.2.10.3.5.1 updatedDate Tree Diagram



2.1.2.10.3.5.2 updatedDate properties

PROPERTY	VALUE
Name	updatedDate
Technical name	
Activated	true
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.10.3.6 Field creatorId

2.1.2.10.3.6.1 creatorId Tree Diagram



2.1.2.10.3.6.2 creatorId properties

PROPERTY	VALUE
Name	creatorId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.10.4 ToDo JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "ToDo",
  "additionalProperties": false,
  "properties": {
    "toDold": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "overview": {
      "type": "string"
    },
    "createdDate": {
      "type": "string",
      "format": "date-time"
    },
    "updatedAt": {
      "type": "string",
      "format": "date-time"
    },
    "creatorId": {
      "type": "number"
    }
  }
}
```

2.1.2.10.5 ToDo JSON data

```
{
  "toDold": 31,
  "name": "Lorem",
  "overview": "Lorem",
  "createdDate": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z"),
  "creatorId": -4
}
```

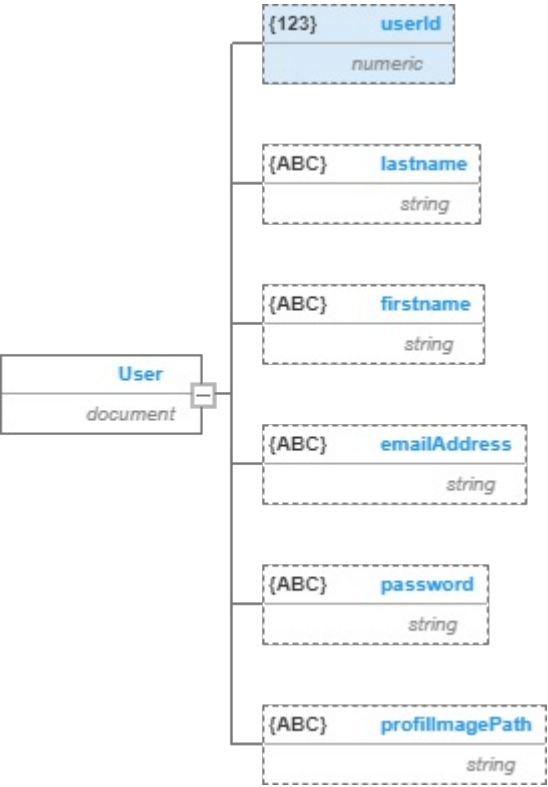
2.1.2.10.6 ToDo Target Script

```
use Family Organizer App;

db.createCollection( "ToDo",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "ToDo",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "toDold": {
          "bsonType": "number"
        },
        "name": {
          "bsonType": "string"
        },
        "overview": {
          "bsonType": "string"
        },
        "createdDate": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        },
        "creatorId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.11 Collection User

2.1.2.11.1 User Tree Diagram



2.1.2.11.2 User Properties

PROPERTY	VALUE
Collection name	User
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.11.3 User Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userId	numeric	false			
lastname	string	false			
firstname	string	false			
emailAddress	string	false			
password	string	false			
profillImagePath	string	false			

2.1.2.11.3.1 Field userId

2.1.2.11.3.1.1 userId Tree Diagram



2.1.2.11.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.11.3.2 Field lastname

2.1.2.11.3.2.1 lastname Tree Diagram



2.1.2.11.3.2.2 lastname properties

PROPERTY	VALUE
Name	lastname
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.11.3.3 Field firstname

2.1.2.11.3.3.1 firstname Tree Diagram



2.1.2.11.3.3.2 firstname properties

PROPERTY	VALUE
Name	firstname
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.11.3.4 Field emailAddress**2.1.2.11.3.4.1 emailAddress Tree Diagram**

2.1.2.11.3.4.2 emailAddress properties

PROPERTY	VALUE
Name	emailAddress
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.11.3.5 Field password**2.1.2.11.3.5.1 password Tree Diagram**

2.1.2.11.3.5.2 password properties

PROPERTY	VALUE
Name	password
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.11.3.6 Field profillmagePath**2.1.2.11.3.6.1 profillmagePath Tree Diagram**

2.1.2.11.3.6.2 profillImagePath properties

PROPERTY	VALUE
Name	profillImagePath
Technical name	
Activated	true
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.11.4 User JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User",
  "additionalProperties": false,
  "properties": {
    "userId": {
      "type": "number"
    },
    "lastname": {
      "type": "string"
    },
    "firstname": {
      "type": "string"
    },
    "emailAddress": {
      "type": "string"
    },
    "password": {
      "type": "string"
    },
    "profillImagePath": {
      "type": "string"
    }
  }
}
```

2.1.2.11.5 User JSON data

```
{
  "userId": 32,
  "lastname": "Lorem",
  "firstname": "Lorem",
  "emailAddress": "Lorem",
  "password": "Lorem",
  "profillImagePath": "Lorem"
}
```

2.1.2.11.6 User Target Script

```

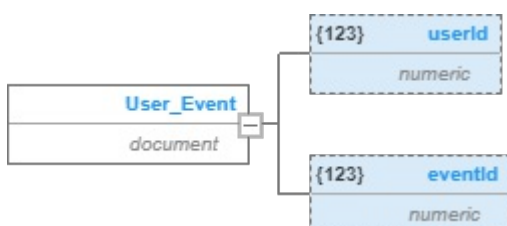
use Family Organizer App;

db.createCollection( "User",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "number"
        },
        "lastname": {
          "bsonType": "string"
        },
        "firstname": {
          "bsonType": "string"
        },
        "emailAddress": {
          "bsonType": "string"
        },
        "password": {
          "bsonType": "string"
        },
        "profilImagePath": {
          "bsonType": "string"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});

```

2.1.2.12 Collection User_Event

2.1.2.12.1 User_Event Tree Diagram



2.1.2.12.2 User_Event Properties

PROPERTY	VALUE
Collection name	User_Event
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.12.3 User_Event Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userId	numeric	false			
eventId	numeric	false			

2.1.2.12.3.1 Field userId

2.1.2.12.3.1.1 userId Tree Diagram



2.1.2.12.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.12.3.2 Field eventId

2.1.2.12.3.2.1 eventId Tree Diagram



2.1.2.12.3.2 eventId properties

PROPERTY	VALUE
Name	eventId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Event
Foreign field	eventId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.12.4 User_Event JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User_Event",
  "additionalProperties": false,
  "properties": {
    "userId": {
      "type": "number"
    },
    "eventId": {
      "type": "number"
    }
  }
}
```

2.1.2.12.5 User_Event JSON data

```
{
  "userId": 84,
  "eventId": 62
}
```

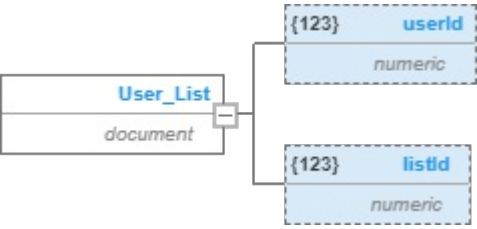
2.1.2.12.6 User_Event Target Script

```
use Family Organizer App;

db.createCollection( "User_Event",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User_Event",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "number"
        },
        "eventId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.13 Collection User_List

2.1.2.13.1 User_List Tree Diagram



2.1.2.13.2 User_List Properties

PROPERTY	VALUE
Collection name	User_List
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.13.3 User_List Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userId	numeric	false			
listId	numeric	false			

2.1.2.13.3.1 Field userId

2.1.2.13.3.1.1 userId Tree Diagram



2.1.2.13.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.13.3.2 Field listId

2.1.2.13.3.2.1 listId Tree Diagram



2.1.2.13.3.2 listId properties

PROPERTY	VALUE
Name	listId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	List
Foreign field	listId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.13.4 User_List JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User_List",
  "additionalProperties": false,
  "properties": {
    "userId": {
      "type": "number"
    },
    "listId": {
      "type": "number"
    }
  }
}
```

2.1.2.13.5 User_List JSON data

```
{
  "userId": -13,
  "listId": 38
}
```

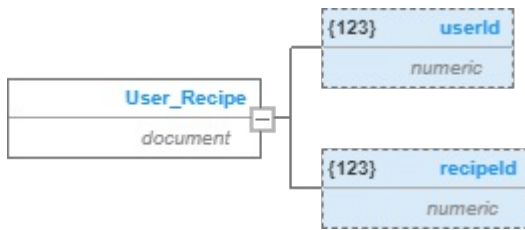
2.1.2.13.6 User_List Target Script

```
use Family Organizer App;

db.createCollection( "User_List",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User_List",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "number"
        },
        "listId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.14 Collection User_Recipe

2.1.2.14.1 User_Recipe Tree Diagram



2.1.2.14.2 User_Recipe Properties

PROPERTY	VALUE
Collection name	User_Recipe
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.14.3 User_Recipe Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userid	numeric	false			
recipeld	numeric	false			

2.1.2.14.3.1 Field userid

2.1.2.14.3.1.1 userid Tree Diagram



2.1.2.14.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.14.3.2 Field recipeld

2.1.2.14.3.2.1 recipeld Tree Diagram



2.1.2.14.3.2.2 recipeld properties

PROPERTY	VALUE
Name	recipeld
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	Recipe
Foreign field	recipeld
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.14.4 User_Recipe JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User_Recipe",
  "additionalProperties": false,
  "properties": {
    "userId": {
      "type": "number"
    },
    "recipeld": {
      "type": "number"
    }
  }
}
```

2.1.2.14.5 User_Recipe JSON data

```
{
  "userId": 89,
  "recipeId": 84
}
```

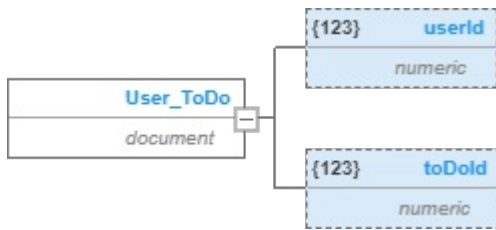
2.1.2.14.6 User_Recipe Target Script

```
use Family Organizer App;

db.createCollection( "User_Recipe",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User_Recipe",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "number"
        },
        "recipeId": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.15 Collection User_ToDo

2.1.2.15.1 User_ToDo Tree Diagram



2.1.2.15.2 User_ToDo Properties

PROPERTY	VALUE
Collection name	User_ToDo
Technical name	
Activated	true
Id	
Description	
Database	FOA
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.15.3 User_ToDo Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userId	numeric	false			
toDold	numeric	false			

2.1.2.15.3.1 Field userId

2.1.2.15.3.1.1 userId Tree Diagram



2.1.2.15.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	User
Foreign field	userId
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.15.3.2 Field toDold

2.1.2.15.3.2.1 toDold Tree Diagram



2.1.2.15.3.2.2 toDold properties

PROPERTY	VALUE
Name	toDold
Technical name	
Activated	true
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	true
Foreign collection	ToDo
Foreign field	toDold
Relationship type	Foreign Key
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.15.4 User_ToDo JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User_ToDo",
  "additionalProperties": false,
  "properties": {
    "userId": {
      "type": "number"
    },
    "toDold": {
      "type": "number"
    }
  }
}
```

2.1.2.15.5 User_ToDo JSON data

```
{
  "userId": 85,
  "toDold": 90
}
```

2.1.2.15.6 User_ToDo Target Script

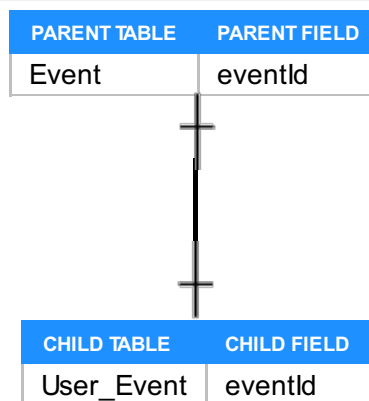
```
use Family Organizer App;

db.createCollection( "User_ToDo",{
  "storageEngine": {
    "wiredTiger": {}
  },
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User_ToDo",
      "additionalProperties": false,
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "number"
        },
        "toDold": {
          "bsonType": "number"
        }
      }
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

3. RELATIONSHIPS

3.1 Relationship fk Event.eventId to User_Event.eventId

3.1.1 fk Event.eventId to User_Event.eventId Diagram

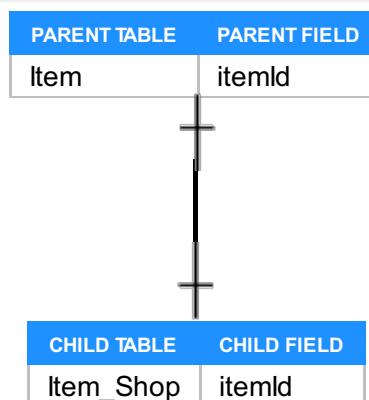


3.1.2 fk Event.eventId to User_Event.eventId Properties

PROPERTY	VALUE
Name	fk Event.eventId to User_Event.eventId
Description	
Parent Collection	Event
Parent field	eventId
Parent Cardinality	1
Child Collection	User_Event
Child field	eventId
Child Cardinality	1
Comments	

3.2 Relationship fk Item.itemId to Item_Shop.itemId

3.2.1 fk Item.itemId to Item_Shop.itemId Diagram

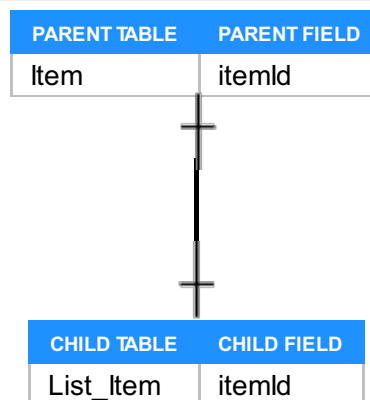


3.2.2 fk Item.itemld to Item_Shop.itemld Properties

PROPERTY	VALUE
Name	fk Item.itemld to Item_Shop.itemld
Description	
Parent Collection	Item
Parent field	itemld
Parent Cardinality	1
Child Collection	Item_Shop
Child field	itemld
Child Cardinality	1
Comments	

3.3 Relationship fk Item.itemld to List_Item.itemld

3.3.1 fk Item.itemld to List_Item.itemld Diagram

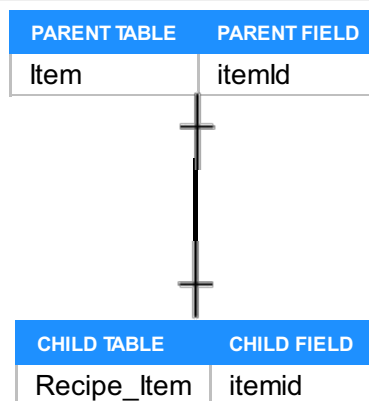


3.3.2 fk Item.itemld to List_Item.itemld Properties

PROPERTY	VALUE
Name	fk Item.itemld to List_Item.itemld
Description	
Parent Collection	Item
Parent field	itemld
Parent Cardinality	1
Child Collection	List_Item
Child field	itemld
Child Cardinality	1
Comments	

3.4 Relationship fk Item.itemld to Recipe_Item.itemld

3.4.1 fk Item.itemId to Recipe_Item.itemid Diagram

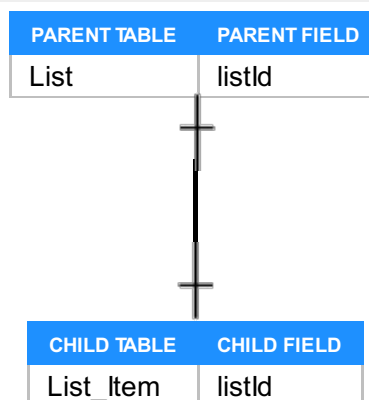


3.4.2 fk Item.itemId to Recipe_Item.itemid Properties

PROPERTY	VALUE
Name	fk Item.itemId to Recipe_Item.itemid
Description	
Parent Collection	Item
Parent field	itemId
Parent Cardinality	1
Child Collection	Recipe_Item
Child field	itemid
Child Cardinality	1
Comments	

3.5 Relationship fk List.listId to New Collection.listId

3.5.1 fk List.listId to New Collection.listId Diagram

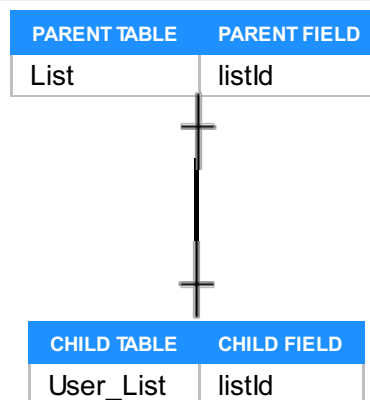


3.5.2 fk List.listId to New Collection.listId Properties

PROPERTY	VALUE
Name	fk List.listId to New Collection.listId
Description	
Parent Collection	List
Parent field	listId
Parent Cardinality	1
Child Collection	List_Item
Child field	listId
Child Cardinality	1
Comments	

3.6 Relationship fk List.listId to User_List.listId

3.6.1 fk List.listId to User_List.listId Diagram

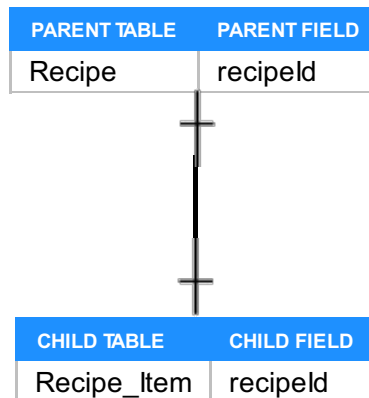


3.6.2 fk List.listId to User_List.listId Properties

PROPERTY	VALUE
Name	fk List.listId to User_List.listId
Description	
Parent Collection	List
Parent field	listId
Parent Cardinality	1
Child Collection	User_List
Child field	listId
Child Cardinality	1
Comments	

3.7 Relationship fk Recipe.recipeld to Recipe_Item.recipeld

3.7.1 fk Recipe.recipeld to Recipe_Item.recipeld Diagram

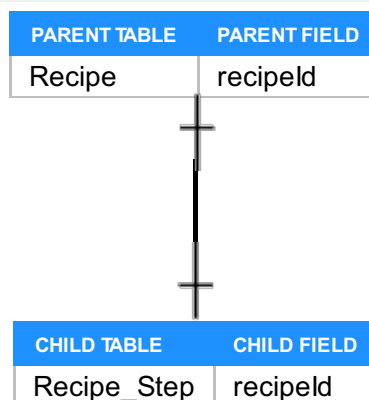


3.7.2 fk Recipe.recipeld to Recipe_Item.recipeld Properties

PROPERTY	VALUE
Name	fk Recipe.recipeld to Recipe_Item.recipeld
Description	
Parent Collection	Recipe
Parent field	recipeld
Parent Cardinality	1
Child Collection	Recipe_Item
Child field	recipeld
Child Cardinality	1
Comments	

3.8 Relationship fk Recipe.recipeld to Recipe_Step.recipeld

3.8.1 fk Recipe.recipeld to Recipe_Step.recipeld Diagram

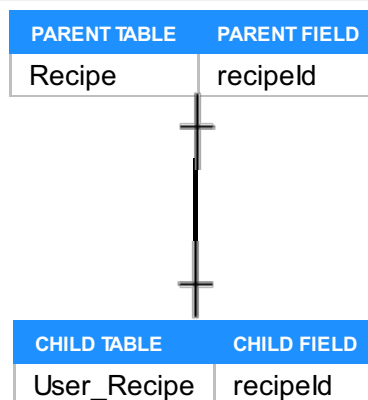


3.8.2 fk Recipe.recipeld to Recipe_Step.recipeld Properties

PROPERTY	VALUE
Name	fk Recipe.recipeld to Recipe_Step.recipeld
Description	
Parent Collection	Recipe
Parent field	recipeld
Parent Cardinality	1
Child Collection	Recipe_Step
Child field	recipeld
Child Cardinality	1
Comments	

3.9 Relationship fk Recipe.recipeld to User_Recipe.recipeld

3.9.1 fk Recipe.recipeld to User_Recipe.recipeld Diagram

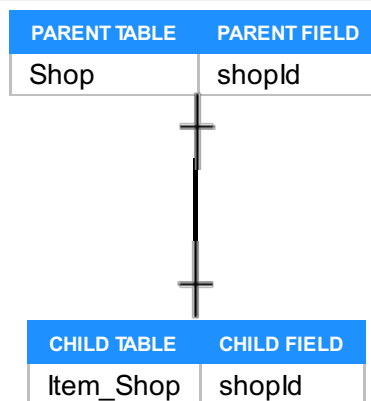


3.9.2 fk Recipe.recipeld to User_Recipe.recipeld Properties

PROPERTY	VALUE
Name	fk Recipe.recipeld to User_Recipe.recipeld
Description	
Parent Collection	Recipe
Parent field	recipeld
Parent Cardinality	1
Child Collection	User_Recipe
Child field	recipeld
Child Cardinality	1
Comments	

3.10 Relationship fk Shop.shopld to Item_Shop.shopld

3.10.1 fk Shop.shopId to Item_Shop.shopId Diagram

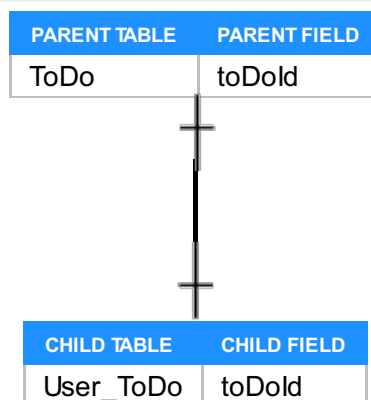


3.10.2 fk Shop.shopId to Item_Shop.shopId Properties

PROPERTY	VALUE
Name	fk Shop.shopId to Item_Shop.shopId
Description	
Parent Collection	Shop
Parent field	shopId
Parent Cardinality	1
Child Collection	Item_Shop
Child field	shopId
Child Cardinality	1
Comments	

3.11 Relationship fk ToDo.toDold to User_ToDo.toDold

3.11.1 fk ToDo.toDold to User_ToDo.toDold Diagram

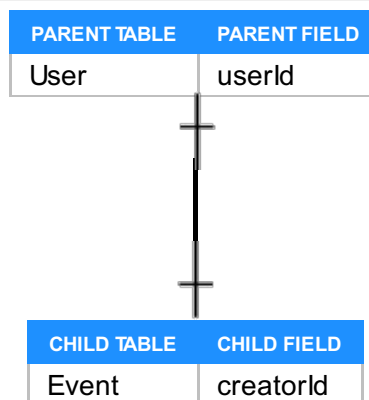


3.11.2 fk ToDo.toDold to User_ToDo.toDold Properties

PROPERTY	VALUE
Name	fk ToDo.toDold to User_ToDo.toDold
Description	
Parent Collection	ToDo
Parent field	toDold
Parent Cardinality	1
Child Collection	User_ToDo
Child field	toDold
Child Cardinality	1
Comments	

3.12 Relationship fk User.userId to Event.creatorId

3.12.1 fk User.userId to Event.creatorId Diagram

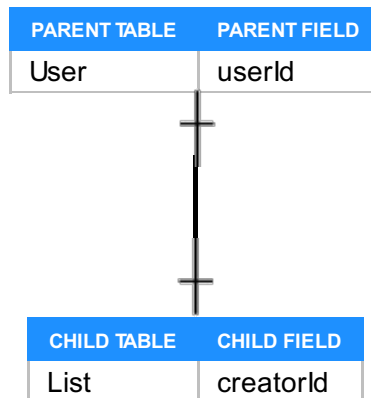


3.12.2 fk User.userId to Event.creatorId Properties

PROPERTY	VALUE
Name	fk User.userId to Event.creatorId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	Event
Child field	creatorId
Child Cardinality	1
Comments	

3.13 Relationship fk User.userId to List.creatorId

3.13.1 fk User.userId to List.creatorId Diagram

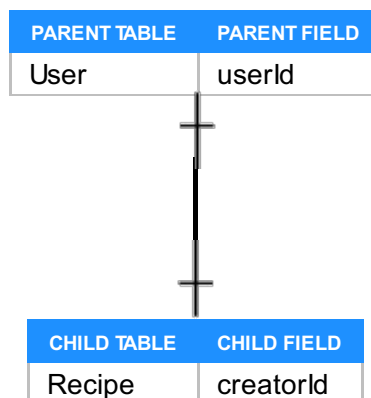


3.13.2 fk User.userId to List.creatorId Properties

PROPERTY	VALUE
Name	fk User.userId to List.creatorId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	List
Child field	creatorId
Child Cardinality	1
Comments	

3.14 Relationship fk User.userId to Recipe.creatorId

3.14.1 fk User.userId to Recipe.creatorId Diagram

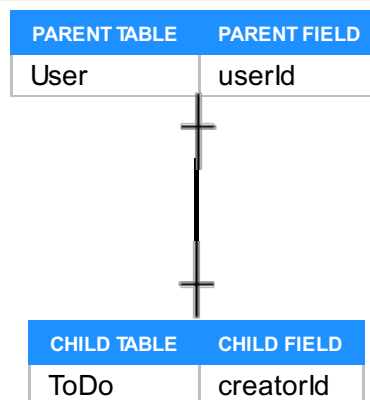


3.14.2 fk User.userId to Recipe.creatorId Properties

PROPERTY	VALUE
Name	fk User.userId to Recipe.creatorId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	Recipe
Child field	creatorId
Child Cardinality	1
Comments	

3.15 Relationship fk User.userId to ToDo.creatorId

3.15.1 fk User.userId to ToDo.creatorId Diagram

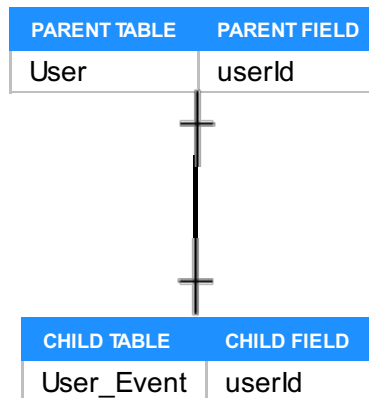


3.15.2 fk User.userId to ToDo.creatorId Properties

PROPERTY	VALUE
Name	fk User.userId to ToDo.creatorId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	ToDo
Child field	creatorId
Child Cardinality	1
Comments	

3.16 Relationship fk User.userId to User_Event.userId

3.16.1 fk User.userId to User_Event.userId Diagram

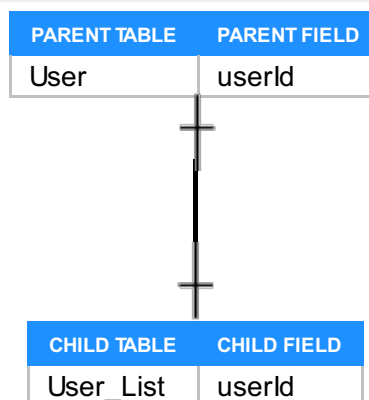


3.16.2 fk User.userId to User_Event.userId Properties

PROPERTY	VALUE
Name	fk User.userId to User_Event.userId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	User_Event
Child field	userId
Child Cardinality	1
Comments	

3.17 Relationship fk User.userId to User_List.userId

3.17.1 fk User.userId to User_List.userId Diagram

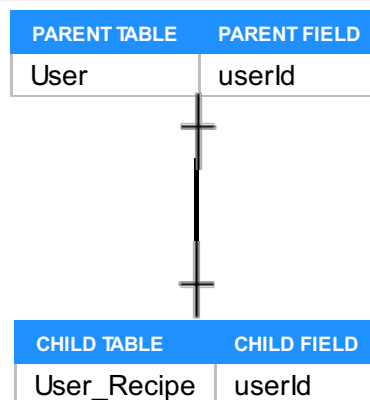


3.17.2 fk User.userId to User_List.userId Properties

PROPERTY	VALUE
Name	fk User.userId to User_List.userId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	User_List
Child field	userId
Child Cardinality	1
Comments	

3.18 Relationship fk User.userId to User_Recipe.userId

3.18.1 fk User.userId to User_Recipe.userId Diagram

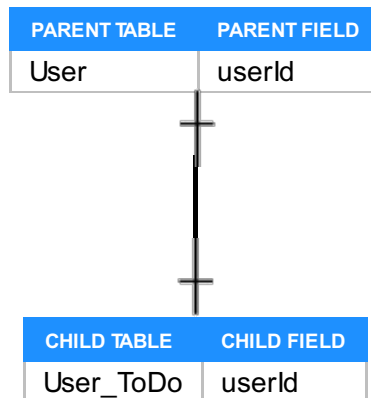


3.18.2 fk User.userId to User_Recipe.userId Properties

PROPERTY	VALUE
Name	fk User.userId to User_Recipe.userId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	User_Recipe
Child field	userId
Child Cardinality	1
Comments	

3.19 Relationship fk User.userId to User_ToDo.userId

3.19.1 fk User.userId to User_ToDo.userId Diagram



3.19.2 fk User.userId to User_ToDo.userId Properties

PROPERTY	VALUE
Name	fk User.userId to User_ToDo.userId
Description	
Parent Collection	User
Parent field	userId
Parent Cardinality	1
Child Collection	User_ToDo
Child field	userId
Child Cardinality	1
Comments	