# **Rest Specifications**

- Github link: https://github.com/ArtizianCapstone/backend
- To create repo: "clone git@github.com:ArtizianCapstone/backend.git"
- To run server: "npm start"

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# **Endpoint overview with examples**

User - Collection of all current users.

# {{url}}/users

### **GET** all users

Ex: 123.56.78.910:5000/users Return a list of 0 or more users.

```
"phone number": "1111111111",
            "creation date": "2018-11-29T23:34:06.661Z",
            "request": {
                "use": "Request specific user.",
                "type": "GET",
                "url":
"http://localhost:3000/users/5c00776e2f1dfe588f33138c"
        },
            " id": "5c00c34099617e5c3f548a8d",
            "password": "badPassword",
            "name": "asdfa sdf",
            "phone number": "2342356",
            "creation date": "2018-11-30T04:57:36.722Z",
            "request": {
                "use": "Request specific user.",
                "type": "GET",
                "11r]":
"http://localhost:3000/users/5c00c34099617e5c3f548a8d"
    1
```

## {{url}}/users/<userId>

### **GET** specific user

Ex: 123.56.78.910:5000/users/5c00776e2f1dfe588f33138c Returns specific user.

```
Example JSON Returned
{
    "user": {
        "_id": "5c00776e2f1dfe588f33138c",
        "password": "badPassword",
        "name": "Jackson Kurtz",
        "phone_number": "1111111111",
        "creation_date": "2018-11-29T23:34:06.661Z"
     },
    "request": {
        "use": "Request all users",
        "ender to the content of the content o
```

```
"type": "GET",
    "url": "http://localhost:3000/users"
}
```

## {{url}}/users/<userId>/artisans

### **GET** all artisans for specific user

Ex: 123.56.78.910:5000/users/5c00776e2f1dfe588f33138c/artisans
Returns list of artisans

### {{url}}/users

#### **POST**

Ex: 123.56.78.910:3000/users

Create new user.

```
JSON Required
{
    "name": "Bill Foote",
    "password": "badPassword",
    "phone_number": "2342356"
}
```

### {{url}}/users/<userId>

#### **PATCH**

Ex: localhost:3000/users/5c01b47607170f9377b207bc Update user's properties.

```
Example JSON Returned
{
    "n": 1,
    "nModified": 1,
    "opTime": {
        "ts": "6665044216889999361",
        "t": 6
    },
    "electionId": "7fffffff00000000000000000",
    "ok": 1,
    "operationTime": "6665044216889999361",
```

```
"$clusterTime": {
        "clusterTime": "6665044216889999361",
        "signature": {
        "hash": "Bm9R1+tru3C1Pud76H0VVkc2EZg=",
        "keyId": "6617001391321776130"
        }
}
```

### {{url}}/users/<userId>

#### **DELETE**

Ex: 123.56.78.910:5000/user/5c00c34099617e5c3f548a8d

Delete specific user

```
Example JSON Returned
{
    "user": {
        "_id": "5c00c34099617e5c3f548a8d",
        "name": "asdfa sdf",
        "phone_number": "2342356",
        "creation_date": "2018-11-30T04:57:36.722Z"
    },
    "request": {
        "use": "Request all users",
        "type": "GET",
        "url": "http://localhost:3000/users"
    }
}
```

### Artisan - Collection of all current artisans

# {{url}}/artisans

#### **GET** all artisans

Ex: 123.56.78.910:5000/artisans Return a list of 0 or more artisans.

```
Example JSON Returned
    "count": 2,
    "artisans": [
            " id": "5c00ba2f61795a5b726c7487",
            "user": {
                " id": "5c00776e2f1dfe588f33138c",
                "name": "Jackson Kurtz"
            },
            "name": "Tom",
            "bio": "sample bio",
            "phone number": "123",
            "creation date": "2018-11-30T04:18:55.801Z",
            "request": {
                "use": "Get specific artisan",
                "type": "GET",
                "url":
"http://localhost:3000/artisans/5c00ba2f61795a5b726c7487"
        },
            " id": "5c00dc7ebc96e45e5c9d3bd8",
            "user": {
                " id": "5c00776e2f1dfe588f33138c",
                "name": "Jackson Kurtz"
            "name": "George the artisan",
            "bio": "sample bio",
            "phone number": "54",
            "image":
          "uploads/2019-01-29T20:57:17.473ZGuitar.png",
            "creation date": "2018-11-30T06:45:18.546Z",
            "request": {
                "use": "Get specific artisan",
                "type": "GET",
                "url":
"http://localhost:3000/artisans/5c00dc7ebc96e45e5c9d3bd8"
        }
    1
}
```

### {{url}}/artisans/<artisanId>

### **GET** specific artisan

Ex: localhost:3000/artisans/5c00dc7ebc96e45e5c9d3bd8
Returns specific artisan.

```
Example JSON Returned
    "artisan": {
        " id": "5c50be2db6ae1768dd6ab0bc",
        "user": "5c00776e2f1dfe588f33138c",
        "name": "Jackson Kurtz",
        "bio": "this is a bio",
        "phone number": "13109088013",
        "image":
"uploads/2019-01-29T20:57:17.473ZGuitar.png",
        "creation date": "2019-01-29T20:57:17.492Z",
        " v": 0
    },
    "request": {
        "use": "Get all artisans.",
        "type": "GET",
        "url": "http://localhost:3000/artisans"
```

## {{url}}/artisans

#### **POST**

Ex: 123.56.78.910:5000/artisans

Create new artisan. Only ".png" and ".jpg" file formats are accepted.

#### JSON Required (form-data)

key	value	type
userId	5c00776e2f1dfe588f3313 8c	text
name	Camila sandoval	text

bio	bio	text
phone_number	9781141387	text
listingImage	Guitar.png	file

```
Example JSON Returned
    "message": "Artisan stored",
    "createdOrder": {
        " id": "5c50be2db6ae1768dd6ab0bc",
        "user": "5c00776e2f1dfe588f33138c",
        "name": "Jackson Kurtz",
        "bio": "this is a bio",
        "phone number": "13109088013",
        "image": "uploads/2019-01-29T20:57:17.473ZGuitar.png",
        "creation date": "2019-01-29T20:57:17.492Z"
    },
    "request": {
        "use": "Get specific artisan",
        "type": "GET",
        "url":
"http://localhost:3000/artisans/5c50be2db6ae1768dd6ab0bc"
```

### {{url}}/artisans/<artisanId>

#### **PATCH**

Ex: localhost:3000/artisans/5c00dc7ebc96e45e5c9d3bd8

Updates artisan's properties.

#### **Example JSON Returned**

# {{url}}/artisans/<artisanId>

#### **DELETE**

Ex: 123.56.78.910:5000/artisans/5c00c34099617e5c3f548a8d

Delete specific artisan

```
Example JSON Returned
{
    "message": "Artisan deleted",
    "request": {
        "type": "POST",
        "url": "http://localhost:3000/orders"
    }
}
```

## Listing - Collection of all listings

## {{url}}/listings

#### **GET** all listings

Ex: 123.56.78.910:5000/listings Return a list of 0 or more listings.

```
Example JSON Returned
          " id": "5c47a1c6e6a530161236f216",
          "name": "shoe",
          "price": 3,
          "creation date": "2019-01-22T23:05:42.521Z",
          " v": 0,
          "artisan": {
               " id": "5c099264a341197e0eb718e9",
               "name": "Rebecca Krieger"
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          }
     },
          " id": "5c4a2b5ab4e5df6c70e800c6",
          "name": "Whiteboard",
          "price": 5000.419921875,
          "creation date": "2019-01-24T21:17:14.239Z",
          " v": 0,
          "artisan": "5c098361908540e67eeff148",
          "user": "5c00776e2f1dfe588f33138c"
     },
          " id": "5c4a3c65b4e5df6c70e800cb",
          "name": "test",
          "price": 42,
          "creation date": "2019-01-24T22:29:57.790Z",
          " v": 0,
          "artisan": {
```

```
" id": "5c098361908540e67eeff148",
          "name": "Sean Reddell"
     },
     "user": {
          " id": "5c00776e2f1dfe588f33138c",
          "name": "Jackson Kurtz"
     }
},
     " id": "5c4e2489f71e9415c2551e13",
     "name": "quitar",
     "price": 99,
     "creation date": "2019-01-27T21:37:13.637Z",
     " v": 0,
     "artisan": {
          " id": "5c099264a341197e0eb718e9",
          "name": "Rebecca Krieger"
     },
     "user": {
          " id": "5c01b47607170f9377b207bc",
          "name": "Bill Foote"
     }
},
```

## {{url}}/listings/<listingID>

### **GET** specific listing

Ex: 123.56.78.910:5000/listings/5c4a2b5ab4e5df6c70e800c6 Gets listing by its id.

### {{url}}/listings/byuser/<userID>

### **GET** listings by user

Ex: 123.56.78.910:5000/listings/byuser/5c00776e2f1dfe588f33138c Gets all listings associated with a user.

```
Example JSON Returned
          " id": "5c47a1c6e6a530161236f216",
          "name": "shoe",
          "price": 3,
          "creation date": "2019-01-22T23:05:42.521Z",
          " v": 0,
          "artisan": {
               " id": "5c099264a341197e0eb718e9",
               "name": "Rebecca Krieger"
          },
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          }
     },
          " id": "5c4a2b5ab4e5df6c70e800c6",
          "name": "Whiteboard",
          "price": 5000.419921875,
          "creation date": "2019-01-24T21:17:14.239Z",
          " v": 0,
          "artisan": {
               " id": "5c098361908540e67eeff148",
               "name": "Sean Reddell"
          },
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
```

```
"name": "Jackson Kurtz"
}
}
```

## {{url}}/listings/<userID>/<artisanID>

### **GET** listings for user and artisan

Ex:

123.56.78.910:5000/listings/5c00776e2f1dfe588f33138c/5c098361908540e67eeff148

Query for listings using both user and artisan filters.

## {{url}}/listings

#### **POST**

Ex: 123.56.78.910:5000/listings

Create new listing. Only ".png" and ".jpg" file formats are accepted.

#### JSON Required (form-data)

key	value	type
name	guitar2	text
description	Its a guitar	text
price	99	text
artisanID		text
userID		text
listinglmage	Guitar.png	file

```
Example JSON Returned
{
    "message": "Created listing successfully",
    "createdListing": {
        "_id": "5c85bc63acc34f22abae19a8",
        "name": "guitar2",
        "price": 99,
        "creation_date": "2019-03-11T01:39:47.763Z",
        "listingImage":
    "uploads/2019-03-11T01:39:45.895ZGuitar.png"
     }
}
```

## {{url}}/listings/<listingID>

#### **PATCH**

Ex: 123.56.78.910:5000/listings/5c4e2c238c2d1619613775a8 Updates the fields of a listing.

```
Example JSON Returned
     "n": 1,
     "nModified": 1,
     "opTime": {
          "ts": "6664046611951255553",
          "t": 6
     },
     "electionId": "7fffffff000000000000000000000",
     "ok": 1,
     "operationTime": "6664046611951255553",
     "$clusterTime": {
          "clusterTime": "6664046611951255553",
          "signature": {
                "hash":
     "ot8OKEHpOwFW5YG4NnYvho5lwKU=",
                "keyId": "6617001391321776130"
          }
```

# {{url}}/listings/<listingID>

#### **DELETE**

Ex: 123.56.78.910:5000/listings/5c4e2c238c2d1619613775a8 Deletes a listing from the database.

### Orders - Collection of all orders

## {{url}}/orders/

#### **GET** all orders

Ex: localhost:3000/orders/ Get a list of 0 or more orders.

```
Example JSON Returned
          " id": "5c7c75b16efc0518a7879c46",
          "user": "5c00776e2f1dfe588f33138c",
          "artisan": "5c098361908540e67eeff148",
          "listing": "5c47a1c6e6a530161236f216",
          "date ordered": "2019-03-04T00:47:45.393Z",
          "paid": false,
          "date paid": null,
          "shipped": false,
          "date shipped": null,
          " v": 0
     } ,
          " id": "5c7c77cb6efc0518a7879c47",
          "user": "5c00776e2f1dfe588f33138c",
          "artisan": "5c098361908540e67eeff148",
          "listing": "5c47a1c6e6a530161236f216",
          "date ordered": "2019-03-04T00:56:43.877Z",
          "paid": false,
          "date paid": null,
          "shipped": false,
          "date shipped": null,
          " v": 0
```

]

### {{url}}/orders/<orderID>

#### **GET** specific order

Ex: localhost:3000/orders/5c7c75b16efc0518a7879c46 Get an order by its ID.

```
Example JSON Returned
{
    "_id": "5c7c75b16efc0518a7879c46",
    "user": "5c00776e2f1dfe588f33138c",
    "artisan": "5c098361908540e67eeff148",
    "listing": "5c47a1c6e6a530161236f216",
    "date_ordered": "2019-03-04T00:47:45.393Z",
    "paid": false,
    "date_paid": null,
    "shipped": false,
    "date_shipped": null,
    "__v": 0
}
```

# {{url}}/orders/bylisting/<listingID>

### **GET** orders by listing

Ex: localhost:3000/orders/bylisting/5c47a1c6e6a530161236f216 Get all orders of a listing.

```
"shipped": false,
     "date shipped": null,
     " v": 0
},
     " id": "5c7c77cb6efc0518a7879c47",
     "user": "5c00776e2f1dfe588f33138c",
     "artisan": "5c099264a341197e0eb718e9",
     "listing": "5c47a1c6e6a530161236f216",
     "date ordered": "2019-03-04T00:56:43.877Z",
     "paid": false,
     "date paid": null,
     "shipped": false,
     "date shipped": null,
     " v": 0
},
     " id": "5c7c7ab06efc0518a7879c48",
     "user": "5c00776e2f1dfe588f33138c",
     "artisan": "5c098361908540e67eeff148",
     "listing": "5c47a1c6e6a530161236f216",
     "date ordered": "2019-03-04T01:09:04.899Z",
     "paid": false,
     "date paid": null,
     "shipped": false,
     "date shipped": null,
     " v": 0
}
```

### {{url}}/orders/

#### **POST**

Ex: localhost:3000/orders
Create new order.

```
Example JSON Returned
{
    "message": "Created new Order",
    "createdOrder": {
```

```
"_id": "5c7c75b16efc0518a7879c46",
    "user": "5c00776e2f1dfe588f33138c",
    "artisan": "5c098361908540e67eeff148",
    "listing": "5c47a1c6e6a530161236f216",
    "date_ordered": "2019-03-04T00:47:45.393Z",
    "paid": false,
    "date_paid": null,
    "shipped": false,
    "date_shipped": null,
    "__v": 0
}
```

### {{url}}/orders/<orderID>

#### **PATCH**

Ex: localhost:3000/orders/5c7c77cb6efc0518a7879c47 Update existing order.

#### JSON Required (form-data)

key	value	type
propName	artisan	string
value	5c099264a341197e0eb718e9	text

```
Example JSON Returned
{
    "n": 1,
    "nModified": 1,
    "opTime": {
```

## {{url}}/orders/<orderID>

#### **DELETE**

Ex: localhost:3000/orders/5c7c7ab06efc0518a7879c48

Delete order from database.

}

## **Meetings -** Collection of all meetings

## {{url}}/meetings/

### **GET** all meetings

Ex: 123.56.78.910:5000/meetings Get a list of 0 or more meetings.

```
Example JSON Returned
          " id": "5c7af491889cff1c60551b63",
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          },
          "artisan": {
               " id": "5c098361908540e67eeff148",
               "name": "Sean Reddell"
          "date": "2018-12-06T20:15:29.820Z",
          "itemsExpected": 1,
          " v": 0
     },
          " id": "5c7afd868493491f45410ba5",
          "user": {
               " id": "5c01b47607170f9377b207bc",
               "name": "Bill Foote"
          "artisan": {
               " id": "5c098361908540e67eeff148",
               "name": "Sean Reddell"
          },
          "date": "2019-01-29T20:57:17.492Z",
          "itemsExpected": 3,
          " v": 0
     },
```

## {{url}}/meetings/<meetingID>

### **GET** specific meeting

Ex: 123.56.78.910:5000/meetings/5c7af491889cff1c60551b63 Returns specific meeting.

```
Example JSON Returned
{
    "_id": "5c7af491889cff1c60551b63",
    "user": {
        "_id": "5c00776e2f1dfe588f33138c",
        "name": "Jackson Kurtz"
    },
    "artisan": {
        "_id": "5c098361908540e67eeff148",
        "name": "Sean Reddell"
    },
    "date": "2018-12-06T20:15:29.820Z",
    "itemsExpected": 1,
    "__v": 0
}
```

### {{url}}/meetings/byuser/<userID>

### **GET all meetings for specific user**

Ex: localhost:3000/meetings/byuser/5c00776e2f1dfe588f33138c Returns all meetings for the specified user.

```
Example JSON Returned
     {
          " id": "5c7af491889cff1c60551b63",
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          },
          "artisan": {
               " id": "5c098361908540e67eeff148",
               "name": "Sean Reddell"
          },
          "date": "2018-12-06T20:15:29.820Z",
          "itemsExpected": 1,
          " v": 0
     },
          " id": "5c7b05ea8493491f45410ba9",
          "user": "5c00776e2f1dfe588f33138c",
          "artisan": "5c098361908540e67eeff148",
          "date": "2019-01-29T20:57:17.492Z",
          "itemsExpected": 9,
          " v": 0
     },
          " id": "5c7b05f08493491f45410baa",
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          },
          "artisan": {
               " id": "5c098361908540e67eeff148",
               "name": "Sean Reddell"
          },
          "date": "2019-01-29T20:57:17.492Z",
          "itemsExpected": 10,
          " v": 0
```

### {{url}}/meetings/<userID>/<artisanID>

### **GET** all meetings for specific user and artisan

Ex:

localhost:3000/meetings/5c00776e2f1dfe588f33138c/5c099264a341197e0eb718e9
Returns all meetings between the specified user and artisan.

```
" id": "5c7b067e8493491f45410bad",
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          },
          "artisan": {
               " id": "5c099264a341197e0eb718e9",
               "name": "Rebecca Krieger"
          },
          "date": "2019-01-29T20:57:17.492Z",
          "itemsExpected": 13,
          " v": 0
     },
          " id": "5c7b06838493491f45410bae",
          "user": {
               " id": "5c00776e2f1dfe588f33138c",
               "name": "Jackson Kurtz"
          },
          "artisan": {
               " id": "5c099264a341197e0eb718e9",
               "name": "Rebecca Krieger"
          "date": "2019-01-29T20:57:17.492Z",
          "itemsExpected": 14,
          " v": 0
     }
]
```

## {{url}}/meetings/

#### **POST**

```
Ex: 123.56.78.910:5000/meetings Creates a new meeting.
```

```
Example JSON Returned
{
    "message": "Handling POST requests to
/meetings",
    "createdMeeting": {
        "_id": "5c7af491889cff1c60551b63",
```

### {{url}}/meetings/<meetingID>

#### **PATCH**

Ex: 123.56.78.910:5000/meetings/5c7af491889cff1c60551b63

Update a specific meeting. All parameters are optional, but **included in an array**.

```
Example JSON Returned
     "n": 0,
     "nModified": 0,
     "opTime": {
     "ts": "6663923926210445317",
     "t": 6
     },
     "electionId": "7fffffff00000000000000000",
     "ok": 1,
     "operationTime": "6663923926210445317",
     "$clusterTime": {
          "clusterTime": "6663923926210445317",
          "signature": {
               "hash": "H8WeQWZWaPG43R0HMsKTuyS7eEg=",
               "keyId": "6617001391321776130"
     }
```

## {{url}}/meetings/<meetingID>

#### **DELETE**

Ex: 123.56.78.910:5000/meetings/5c7b068b8493491f45410baf Deletes a specific meeting from the database.

## {{url}}/uploads/

### **GET** specific image

Ex: 123.56.78.910:5000/uploads/2019-01-27T22:09:39.357ZGuitar.png Returns stored image from the database.