

METHODS CRUD OPERATIONS

CLIENTS

- **POST**

METHOD		POST
		Local: http://localhost:8080/api/products
URI		Pubic: http://20.121.42.135:8080/api/products
PARAMS	{	
	name_client: { type: String, required: true, }, email: { type: String, required: true, }, CI: { type: Number, required: true, }, address: { type: String, }, }, }	
FORMAT		JSON
VALUES	{ "name_client": "Lucas Rojas", "email": "lucas@gmail.com", "CI": 1748965723, "address": "Loja" }	
RESULTS		Return all entries with ID to collection

- **GET**

METHOD		GET
URI		Local: http://localhost:8080/api/products
		Pubic: http://20.121.42.135:8080/api/products

PARAMS	<pre> { name_client: { type: String, required: true, }, email: { type: String, required: true, }, CI: { type: Number, required: true, }, address: { type: String, }, }, </pre>
FORMAT	JSON
VALUES	<pre> { "name_client": "Lucas Rojas", "email": "lucas@gmail.com", "CI": 1748965723, "address": "Loja" } </pre>
RESULTS	Return all entries

• GET BY ID

METHOD	GET BY ID
URI	Local: http://localhost:8080/api/products/:id Pubic: http://20.121.42.135:8080/api/products/:id
PARAMS	<pre> { name_client: { type: String, required: true, }, email: { type: String, required: true, }, CI: { type: Number, required: true, }, address: { type: String, }, }, </pre>
FORMAT	JSON
VALUES	<pre> { "name_client": "Lucas Rojas", "email": "lucas@gmail.com", </pre>

```
"CI": 1748965723,  
"address": "Loja"  
}
```

RESULTS	Return all entries
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• DELETE

METHOD	DELETE
URI	Local: http://localhost:8080/api/products/:id Pubic: http://20.121.42.135:8080/api/products/:id
PARAMS	{ name_client: { type: String, required: true, }, email: { type: String, required: true, }, CI: { type: Number, required: true, }, address: { type: String, }, },
FORMAT	JSON
VALUES	http://localhost:8080/api/products/62b53f7651813f23c50d1021
RESULTS	Return all entries with id select

• PUT

METHOD	PUT
URI	Local: http://localhost:8080/api/products/:id Pubic: http://20.121.42.135:8080/api/products/:id
PARAMS	{ name_client: { type: String, required: true, }, email: { type: String, required: true, }, CI: { type: Number, required: true, }, address: {

	<pre> type: String, }, }, }, </pre>
FORMAT	JSON
VALUES	<pre> { "name_client": "Lucas Rojas", "email": "lucas@gmail.com", "CI": 1748965723, "address": "Loja" } </pre>
RESULTS	Return message succfull update object

INVOICES

• POST

METHOD	POST
URI	Local: http://localhost:8080/api/invoices Pubic: http://20.121.42.135:8080/api/invoices
PARAMS	<pre> { client_ID: { type: Schema.Types.ObjectId, ref: "Clients", }, product_ID: { type: Schema.Types.ObjectId, ref: "Products", }, quantity: { type: Number, required: true, }, price: { type: Number, required: true, }, subtotal: { type: Number, required: true, }, IVA: { type: Number, required: true, }, total: { type: Number, required: true, }, } </pre>
FORMAT	JSON
VALUES	{

```
"client_ID": "62d23afb776c2be304b131f2",  
"product_ID": "62d233e1776c2be304b13170",  
"quantity": 5,  
"price": 0.50,  
}
```

RESULTS

Return all entries with ID to collection

- **GET**

METHOD**GET****URI**

Local: <http://localhost:8080/api/invoices>
Pubic: <http://20.121.42.135:8080/api/invoices>

PARAMS

```
{  
  client_ID: {  
    type: Schema.Types.ObjectId,  
    ref: "Clients",  
  },  
  product_ID: {  
    type: Schema.Types.ObjectId,  
    ref: "Products",  
  },  
  quantity: {  
    type: Number,  
    required: true,  
  },  
  price: {  
    type: Number,  
    required: true,  
  },  
  subtotal: {  
    type: Number,  
    required: true,  
  },  
  IVA: {  
    type: Number,  
    required: true,  
  },  
  total: {  
    type: Number,  
    required: true,  
  },  
}
```

FORMAT

JSON

VALUES

```
{  
  "client_ID": "62d23afb776c2be304b131f2",  
  "product_ID": "62d233e1776c2be304b13170",  
  "quantity": 5,  
  "price": 0.50,  
}
```

RESULTS

Return all entries

- **GET BY ID**

METHOD		GET BY ID
URI		Local: http://localhost:8080/api/invoices/:id Pubic: http://20.121.42.135:8080/api/invoices/:id
		<pre> { client_ID: { type: Schema.Types.ObjectId, ref: "Clients", }, product_ID: { type: Schema.Types.ObjectId, ref: "Products", }, quantity: { type: Number, required: true, }, price: { type: Number, required: true, }, subtotal: { type: Number, required: true, }, IVA: { type: Number, required: true, }, total: { type: Number, required: true, }, }</pre>
PARAMS		
FORMAT		JSON
VALUES		http://localhost:8080/api/invoices/62b53f7651813f23c50d1021
RESULTS		Return all entries with id select

- **DELETE**

METHOD		DELETE
URI		Local: http://localhost:8080/api/invoices/:id Pubic: http://20.121.42.135:8080/api/invoices/:id
		<pre> { client_ID: { type: Schema.Types.ObjectId, ref: "Clients", }, product_ID: { type: Schema.Types.ObjectId,</pre>
PARAMS		

```

    ref: "Products",
  },
  quantity: {
    type: Number,
    required: true,
  },
  price: {
    type: Number,
    required: true,
  },
  subtotal: {
    type: Number,
    required: true,
  },
  IVA: {
    type: Number,
    required: true,
  },
  total: {
    type: Number,
    required: true,
  },
}

```

FORMAT	JSON
VALUES	http://localhost:8080/api/invoices/62b53f7651813f23c50d1021
RESULTS	Return message succfull object deleted

• UPDATE

METHOD	PUT
URI	Local: http://localhost:8080/api/invoices/:id Pubic: http://20.121.42.135:8080/api/invoices/:id
PARAMS	<pre> { client_ID: { type: Schema.Types.ObjectId, ref: "Clients", }, product_ID: { type: Schema.Types.ObjectId, ref: "Products", }, quantity: { type: Number, required: true, }, price: { type: Number, required: true, }, subtotal: { type: Number, required: true, }, } </pre>

```

    },
    IVA: {
      type: Number,
      required: true,
    },
    total: {
      type: Number,
      required: true,
    },
  },
}

```

FORMAT	JSON
VALUES	<pre> { "client_ID": "62d23afb776c2be304b131f2", "product_ID": "62d233e1776c2be304b13170", "quantity": 5, "price": 0.50 } </pre>
RESULTS	Return all entries with ID to collection

USERS

• POST

METHOD	POST
URI	Local: http://localhost:8080/api/users Pubic: http://20.121.42.135:8080/api/users
PARAMS	<pre> { name_user: { type: String, required: true, }, email: { type: String, unique: true, required: true, }, password: { type: String, required: true, }, type: { type: Number, required: true, }, } </pre>
FORMAT	JSON
VALUES	<pre> { "name_user": "Rommel", "email": "rzam@hotmail.com", "password": "admin123", "type": 1 } </pre>

}

RESULTS

Return all entries with ID to collection

- **GET**

METHOD

GET

URI

Local: <http://localhost:8080/api/users>

Pubic: <http://20.121.42.135:8080/api/users>

PARAMS

```
{
  name_user: {
    type: String,
    required: true,
  },
  email: {
    type: String,
    unique: true,
    required: true,
  },
  password: {
    type: String,
    required: true,
  },
  type: {
    type: Number,
    required: true,
  },
}
```

FORMAT

JSON

VALUES

```
{
  "name_user": "Rommel",
  "email": "rzam@hotmail.com",
  "password": "admin123",
  "type": 1
}
```

RESULTS

Return all entries

- **GET BY ID**

METHOD

GET BY ID

URI

Local: <http://localhost:8080/api/users/:id>

Pubic: <http://20.121.42.135:8080/api/users/:id>

PARAMS

```
{
  name_user: {
    type: String,
    required: true,
  },
  email: {
    type: String,
    unique: true,
    required: true,
  },
}
```

```

password: {
  type: String,
  required: true,
},
type: {
  type: Number,
  required: true,
},
}

```

FORMAT	JSON
VALUES	http://localhost:8080/api/users/:id
RESULTS	Return all entries with ID select

• DELETE

METHOD	DELETE
URI	Local: http://localhost:8080/api/users/:id Pubic: http://20.121.42.135:8080/api/users/:id
PARAMS	<pre> { name_user: { type: String, required: true, }, email: { type: String, unique: true, required: true, }, password: { type: String, required: true, }, type: { type: Number, required: true, }, } </pre>
FORMAT	JSON
VALUES	http://localhost:8080/api/users/62b53f7651813f23c50d1021
RESULTS	Return message succfull objet deleted

• PUT

METHOD	PUT
URI	Local: http://localhost:8080/api/users/:id Pubic: http://20.121.42.135:8080/api/users/:id

PARAMS	<pre> { name_user: { type: String, required: true, }, email: { type: String, unique: true, required: true, }, password: { type: String, required: true, }, type: { type: Number, required: true, }, } </pre>
FORMAT	JSON
VALUES	<pre> { "name_user": "Juan", "email": "juan@hotmail.com", "password": "12345", "type": 2 } </pre>
RESULTS	Return message succfull update objet

PRODUCTS

- **POST**

METHOD	GET
URI	Local: http://localhost:8080/api/products Pubic: http://20.121.42.135:8080/api/products
PARAMS	<pre> { name_product: { type: String, required: true, }, description: { type: String, required: true, }, provider_ID: { type: Schema.Types.ObjectId, ref: "Providers", }, price: { type: Number, required: true, }, } </pre>

```

quantity: {
  type: Number,
  required: true,
},
total: {
  type: Number,
  required: true,
  default: true,
},
},
},

```

FORMAT	JSON
VALUES	<pre> { "name_product": "Mandarinas", "description": "Fruta Clemenules", "provider_ID": "62c8db5a810b2e0578120cba", "price": 0.25, "quantity": 10 } </pre>
RESULTS	Return all entries

- GET

METHOD	GET
URI	Local: http://localhost:8080/api/products Pubic: http://20.121.42.135:8080/api/products
PARAMS	<pre> { name_product: { type: String, required: true, }, description: { type: String, required: true, }, provider_ID: { type: Schema.Types.ObjectId, ref: "Providers", }, price: { type: Number, required: true, }, quantity: { type: Number, required: true, }, total: { type: Number, required: true, default: true, }, }, }, </pre>

FORMAT	JSON
VALUES	<pre>{ "name_product": "Mandarinas", "description": "Fruta Clemenules", "provider_ID": "62c8db5a810b2e0578120cba", "price": 0.25, "quantity": 10 }</pre>
RESULTS	Return all entries

• GET BY ID

METHOD	GET BY ID
URI	Local: http://localhost:8080/api/products/id Pubic: http://20.121.42.135:8080/api/products/id
PARAMS	<pre>{ name_product: { type: String, required: true, }, description: { type: String, required: true, }, provider_ID: { type: Schema.Types.ObjectId, ref: "Providers", }, price: { type: Number, required: true, }, quantity: { type: Number, required: true, }, total: { type: Number, required: true, default: true, }, }</pre>
FORMAT	JSON
VALUES	http://localhost:8080/api/products/62b53f7651813f23c50d1021
RESULTS	Return all entries with ID select

• DELETE

METHOD **GET BY ID**

Local: http://localhost:8080/api/products/id	
URI	Pubic: http://20.121.42.135:8080/api/products/id
PARAMS	<pre> { name_product: { type: String, required: true, }, description: { type: String, required: true, }, provider_ID: { type: Schema.Types.ObjectId, ref: "Providers", }, price: { type: Number, required: true, }, quantity: { type: Number, required: true, }, total: { type: Number, required: true, default: true, }, }, </pre>
FORMAT	JSON
VALUES	http://localhost:8080/api/products/62b53f7651813f23c50d1021
RESULTS	Return message succfull object delete

PUT

METHOD	PUT
Local: http://localhost:8080/api/products/id	
URI	Pubic: http://20.121.42.135:8080/api/products/id
PARAMS	<pre> { name_product: { type: String, required: true, }, description: { type: String, required: true, }, provider_ID: { type: Schema.Types.ObjectId, </pre>

```

        ref: "Providers",
      },
      price: {
        type: Number,
        required: true,
      },
      quantity: {
        type: Number,
        required: true,
      },
      total: {
        type: Number,
        required: true,
        default: true,
      },
    },
  },
},

```

FORMAT	JSON
VALUES	<pre> { "name_product": "Uvas", "description": "Fruta", "provider_ID": "62c8db5a810b2e0578120cba", "price": 0.35, "quantity": 10 } </pre>
RESULTS	Return message succesfull update objet

PROVIDERS

• POST

METHOD	POST
URI	Local: http://localhost:8080/api/providers Pubic: http://20.121.42.135:8080/api/providers
PARAMS	<pre> { name_provider: { type: String, required: true, }, city: { type: String, required: true, }, } </pre>
FORMAT	JSON
VALUES	<pre> { "name_provider": "La favorita", "city": "Quito" } </pre>
RESULTS	Return all entries with ID to collection

- GET

METHOD	POST
URI	Local: http://localhost:8080/api/providers/id Pubic: http://20.121.42.135:8080/api/providers/id
PARAMS	{ name_provider: { type: String, required: true, }, city: { type: String, required: true, }, }
FORMAT	JSON
VALUES	{ "name_provider": "La favorita", "city": "Quito" }
RESULTS	Return all entries

- GET BY ID

METHOD	GET BY ID
URI	Local: http://localhost:8080/api/providers/id Pubic: http://20.121.42.135:8080/api/providers/id
PARAMS	{ name_provider: { type: String, required: true, }, city: { type: String, required: true, }, }
FORMAT	JSON
VALUES	http://localhost:8080/api/providers/62b53f7651813f23c50d1021
RESULTS	Return all entries with ID select

- DELETE

METHOD	DELETE
URI	Local: http://localhost:8080/api/providers/id Pubic: http://20.121.42.135:8080/api/providers/id

PARAMS	<pre> { name_provider: { type: String, required: true, }, city: { type: String, required: true, }, } </pre>
FORMAT	JSON
VALUES	http://localhost:8080/api/providers/62b53f7651813f23c50d1021
RESULTS	Return message succfull object deleted

• PUT

METHOD	PUT
URI	Local: http://localhost:8080/api/providers/id Pubic: http://20.121.42.135:8080/api/providers/id
PARAMS	<pre> { name_provider: { type: String, required: true, }, city: { type: String, required: true, }, } </pre>
FORMAT	JSON
VALUES	<pre> { "name_provider": "La favorita", "city": "Quito" } </pre>
RESULTS	Return message succfull ID object update