## Interface Testing

## Purpose of Interface Testing

## The purpose of interface testing is to ensure that the interfaces conform to the design specifications and the functional, performance, and reliability requirements defined in the requirements specification. Interface testing helps identify interface defects, improve interface quality, reduce software risk, shorten the software development cycle, and ultimately increase user satisfaction. It also ensures that the application provides services normally.

User Information

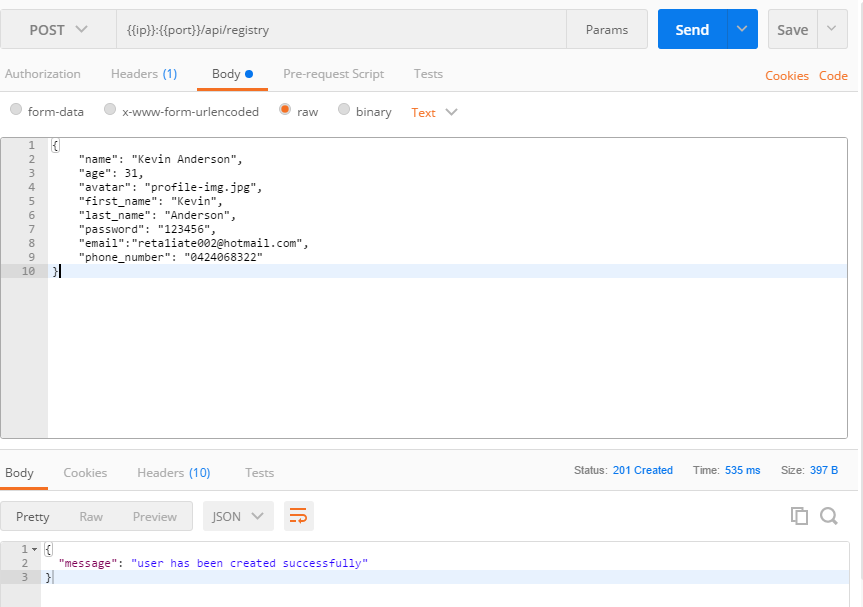
User Registration

|  |  |
| --- | --- |
| Interface Request Path | {{ip}}:{{port}}/api/registry |
| Request Method | POST |
| request header | application/json |
| request body | {  "name": "Kevin Anderson",  "age": 31,  "avatar": "profile-img.jpg",  "first\_name": "Kevin",  "last\_name": "Anderson",  "password": "123456",  "email":"reta1iate002@hotmail.com",  "phone\_number": "0424068322"  } |

Response Results

|  |  |
| --- | --- |
| status code | 200 |
| response body | {  "message": "user has been created successfully"  } |

Screenshots



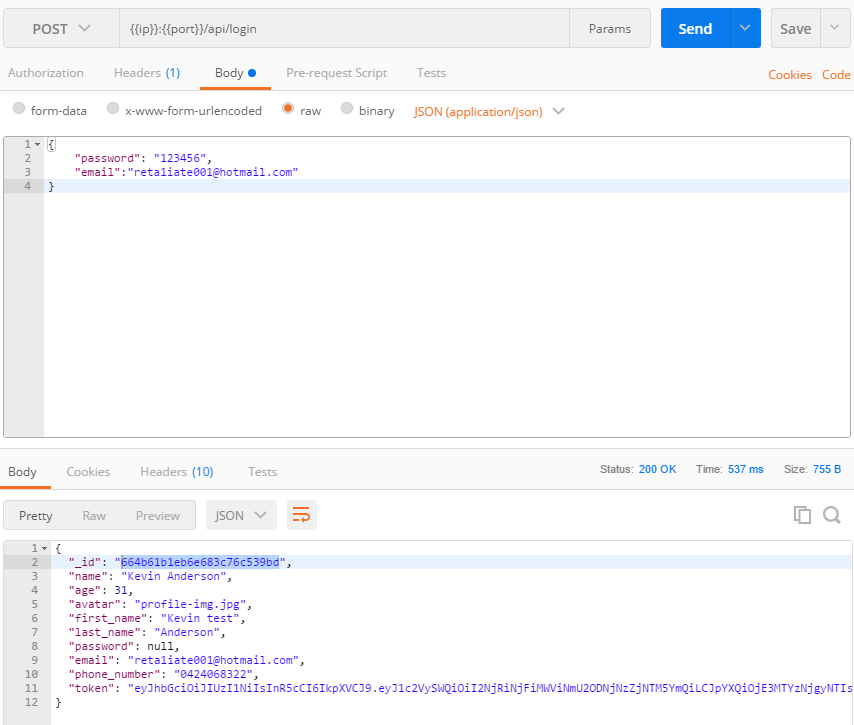
### user login

|  |  |
| --- | --- |
| Interface Request Path | {{ip}}:{{port}}/api/login |
| request method | POST |
| request header | application/json |
| request body | {  "password": "123456",  "email":"reta1iate001@hotmail.com"  } |

Response Results

|  |  |
| --- | --- |
| status code | 200 |
| response body | {  "\_id": "6651257c9bc462754585b0f0",  "name": "Kevin Anderson",  "age": 31,  "avatar": "profile-img.jpg",  "first\_name": "Kevin",  "last\_name": "Anderson",  "password": null,  "email": "reta1iate001@hotmail.com",  "phone\_number": "0424068322",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiI2NjUxMjU3YzliYzQ2Mjc1NDU4NWIwZjAiLCJpYXQiOjE3MTY1OTQwNDgsImV4cCI6MTcxNjU5NzY0OH0.Zmpx-EMGPxWwDg7Lyp8KuKh0OfbZ-fko2BRrOf6tjqE"  } |

Screenshots

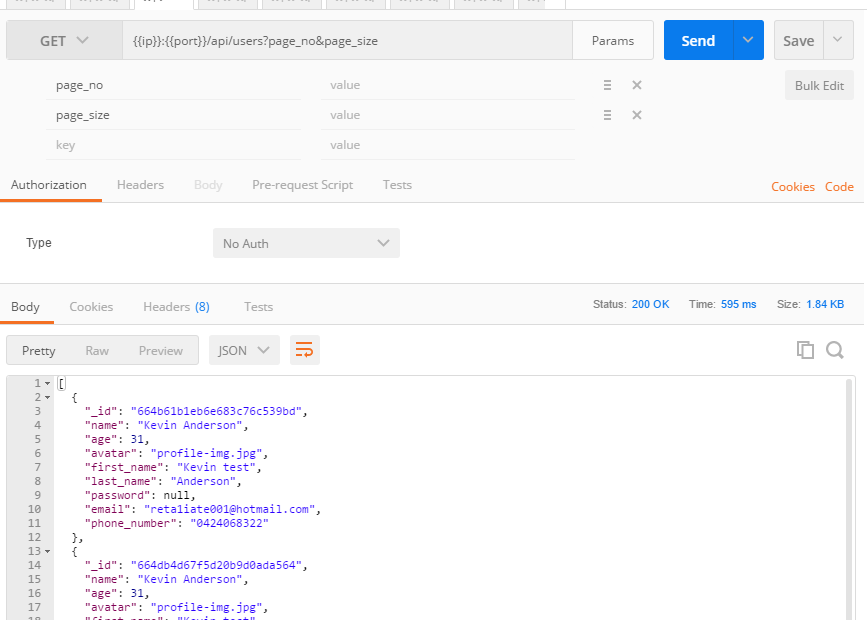


### User information list query

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/users?page\_no&page\_size |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | [  {  "\_id": "664db4d67f5d20b9d0ada564",  "name": "Kevin Anderson",  "age": 31,  "avatar": "profile-img.jpg",  "first\_name": "Kevin test",  "last\_name": "Anderson",  "password": null,  "email": "reta1iate002@hotmail.com",  "phone\_number": "0424068322"  }  ] |



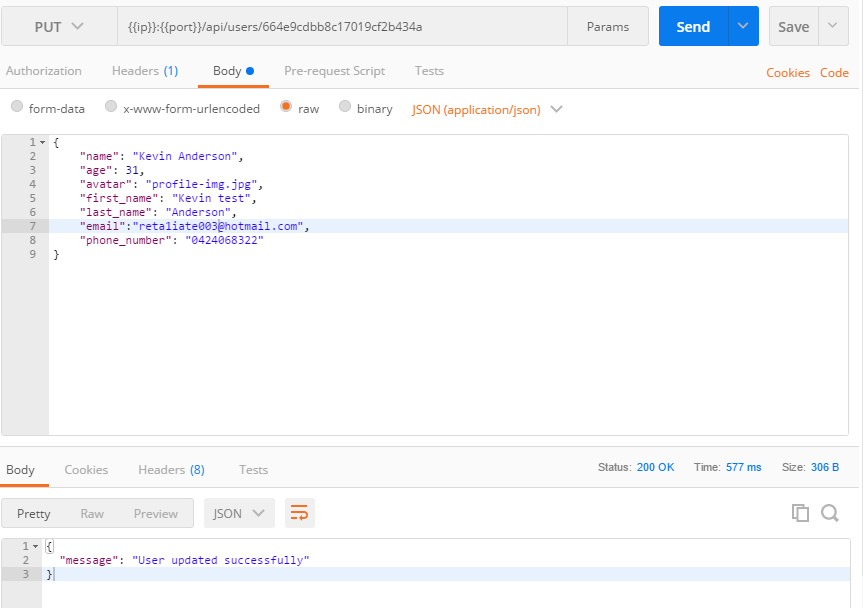
User Information Update

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/users/664db4d67f5d20b9d0ada564 |
| Request Method | PUT |
| Request Header | application/json |
| Request Body | {  "name": "Kevin Anderson",  "age": 31,  "avatar": "profile-img.jpg",  "first\_name": "Kevin test",  "last\_name": "Anderson",  "email":"reta1iate003@hotmail.com",  "phone\_number": "0424068322"  } |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "updated email has been used, illegally update"  } |



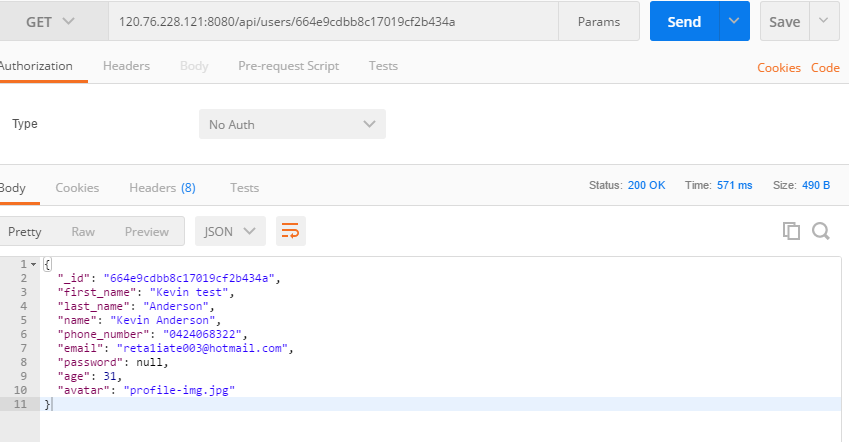
### Query user information by id

### Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/users/664db4d67f5d20b9d0ada564 |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "\_id": "664e9cdbb8c17019cf2b434a",  "first\_name": "Kevin test",  "last\_name": "Anderson",  "name": "Kevin Anderson",  "phone\_number": "0424068322",  "email": "reta1iate003@hotmail.com",  "password": null,  "age": 31,  "avatar": "profile-img.jpg"  } |



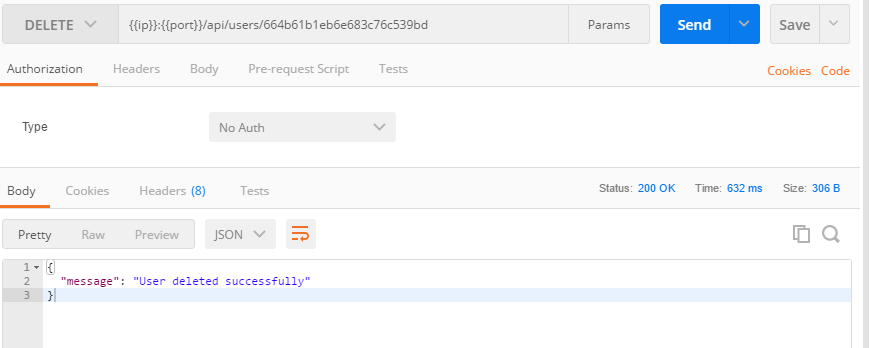
User Information Deletion

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/users/664db4d67f5d20b9d0ada564 |
| Request Method | DELETE |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "User deleted successfully"  } |



Product Information

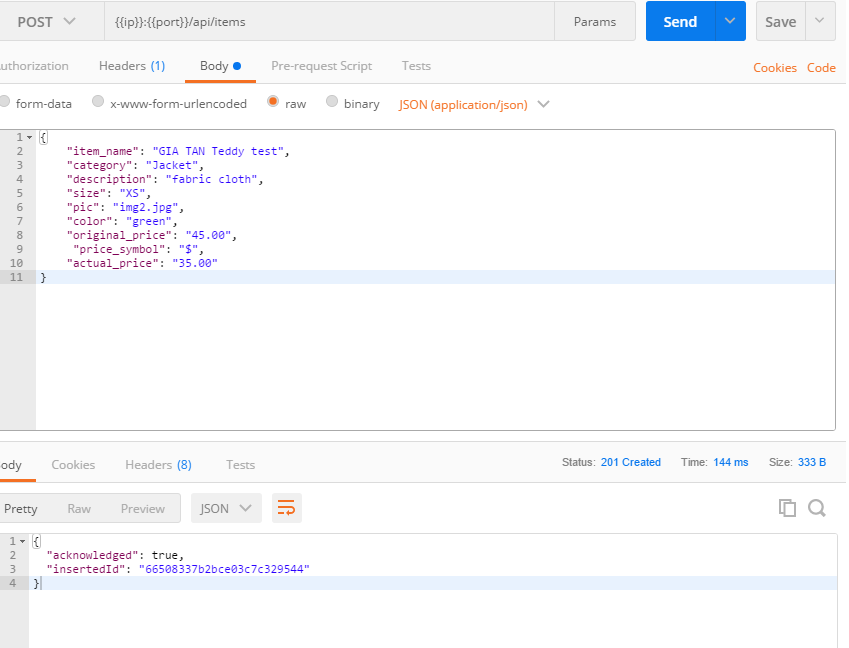
Add Product Information

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items |
| Request Method | POST |
| Request Header | application/json |
| Request Body | {  "item\_name": "GIA TAN Teddy test",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  } |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "acknowledged": true,  "insertedId": "66508337b2bce03c7c329544"  } |



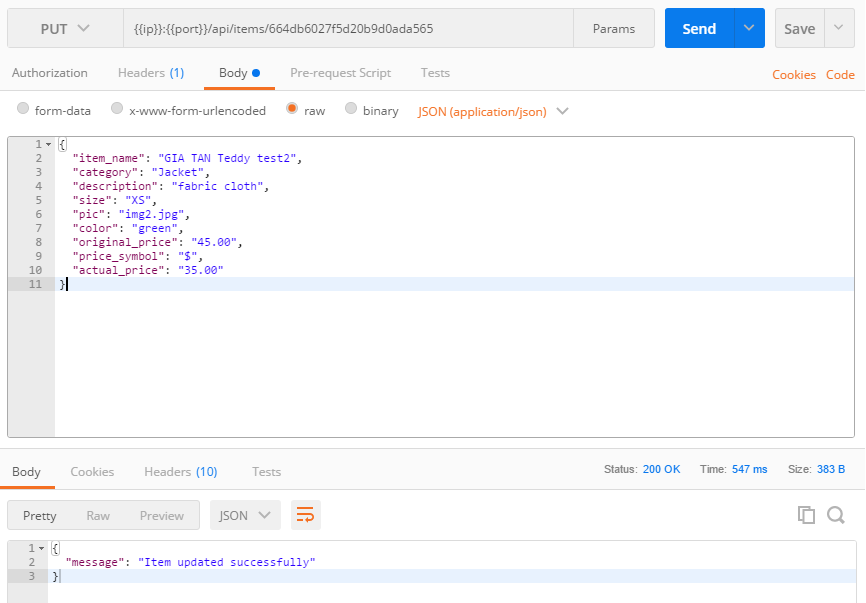
Product Information Update

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items/664db6027f5d20b9d0ada565 |
| Request Method | PUT |
| Request Header | application/json |
| Request Body | {  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  } |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "Item updated successfully"  } |



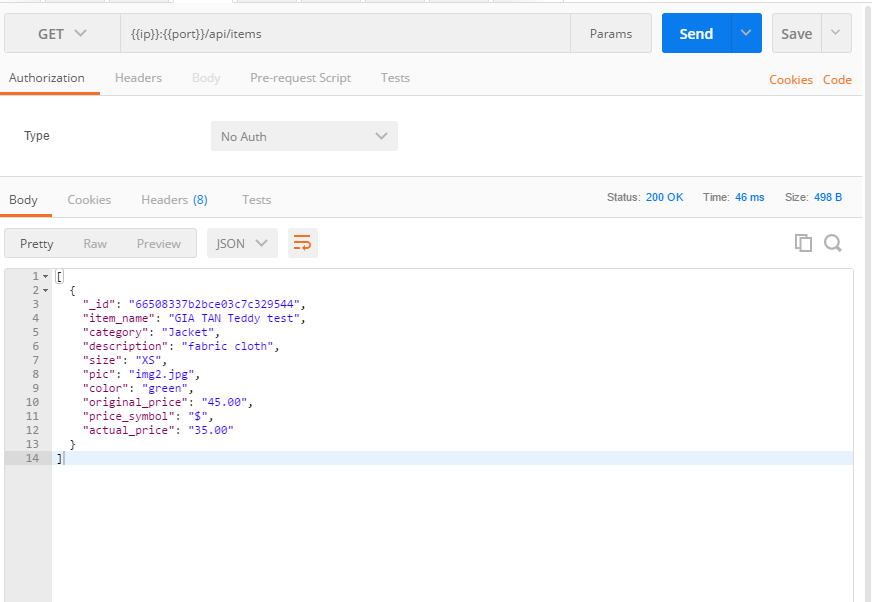
Product Information List Enquiry

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | [  {  "\_id": "66508337b2bce03c7c329544",  "item\_name": "GIA TAN Teddy test",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  }  ] |



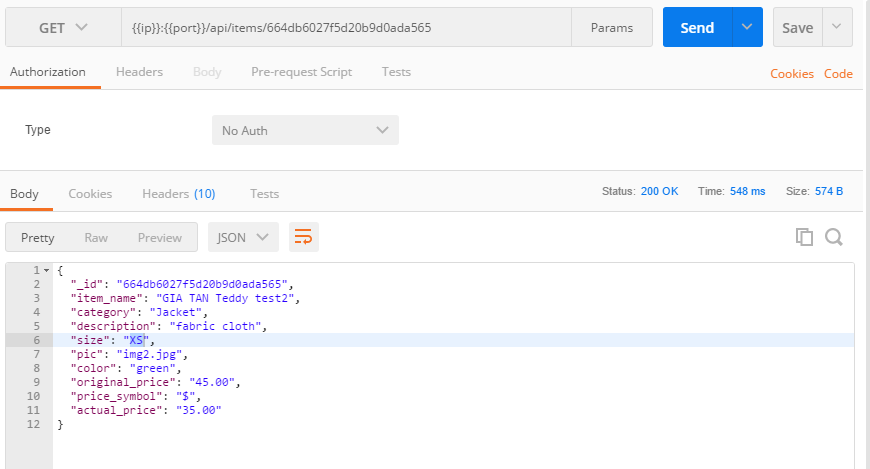
Query product information by id

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items/664db6027f5d20b9d0ada565 |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  } |



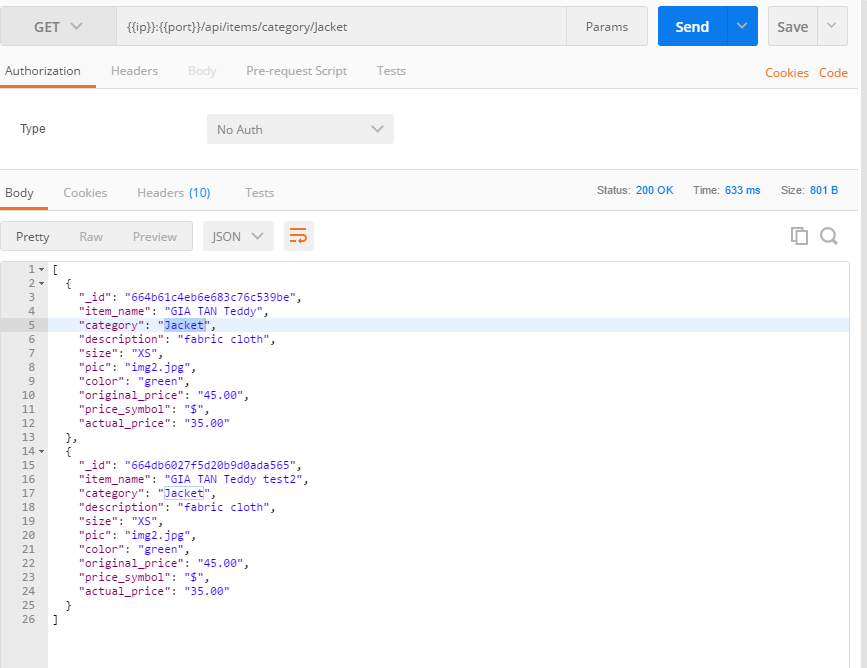
Search for product information by category

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items/category/Jacket |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | [  {  "\_id": "664b61c4eb6e683c76c539be",  "item\_name": "GIA TAN Teddy",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  },  {  "\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "description": "fabric cloth",  "size": "XS",  "pic": "img2.jpg",  "color": "green",  "original\_price": "45.00",  "price\_symbol": "$",  "actual\_price": "35.00"  }  ] |



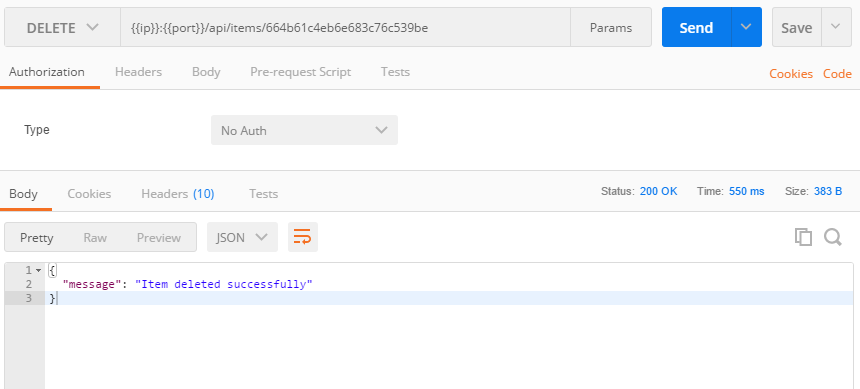
Product Information Removal

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/items/664b61c4eb6e683c76c539be |
| Request Method | DELETE |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "Item deleted successfully"  } |



Order Information

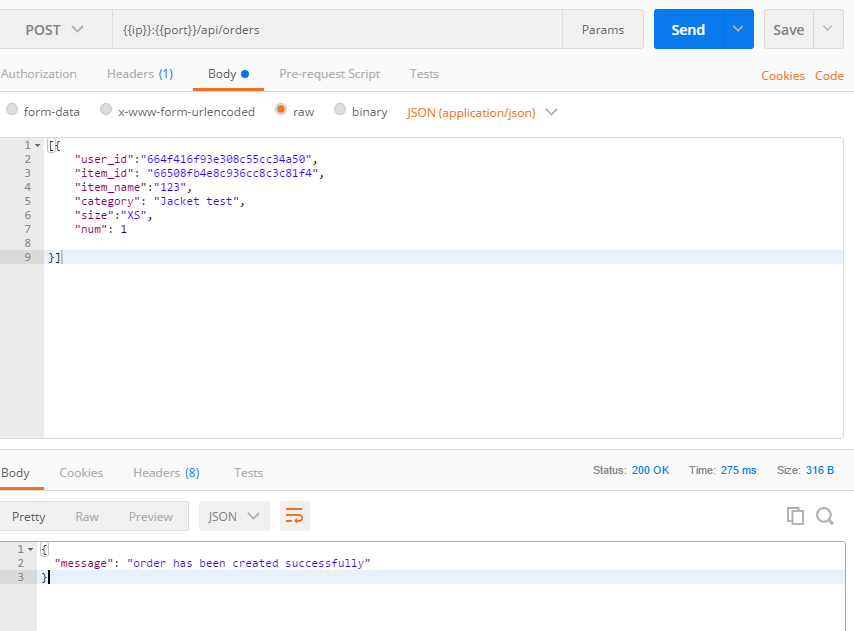
Order Information Addition

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders |
| Request Method | POST |
| Request Header | application/json |
| Request Body | [{  "user\_id":"664f416f93e308c55cc34a50",  "item\_id": "66508fb4e8c936cc8c3c81f4",  "item\_name":"123",  "category": "Jacket test",  "size":"XS",  "num": 1    }] |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "order has been created successfully"  } |



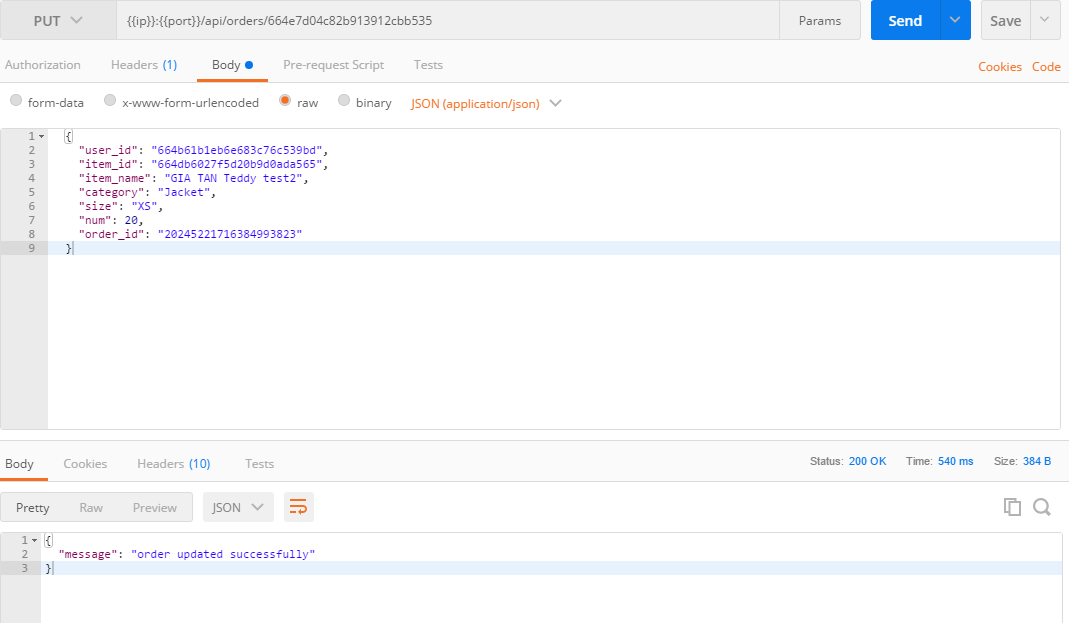
Order Information Update

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders/664e7d04c82b913912cbb535 |
| Request Method | PUT |
| Request Header | application/json |
| Request Body | {  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 20,  "order\_id": "20245221716384993823"  } |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "order updated successfully"  } |



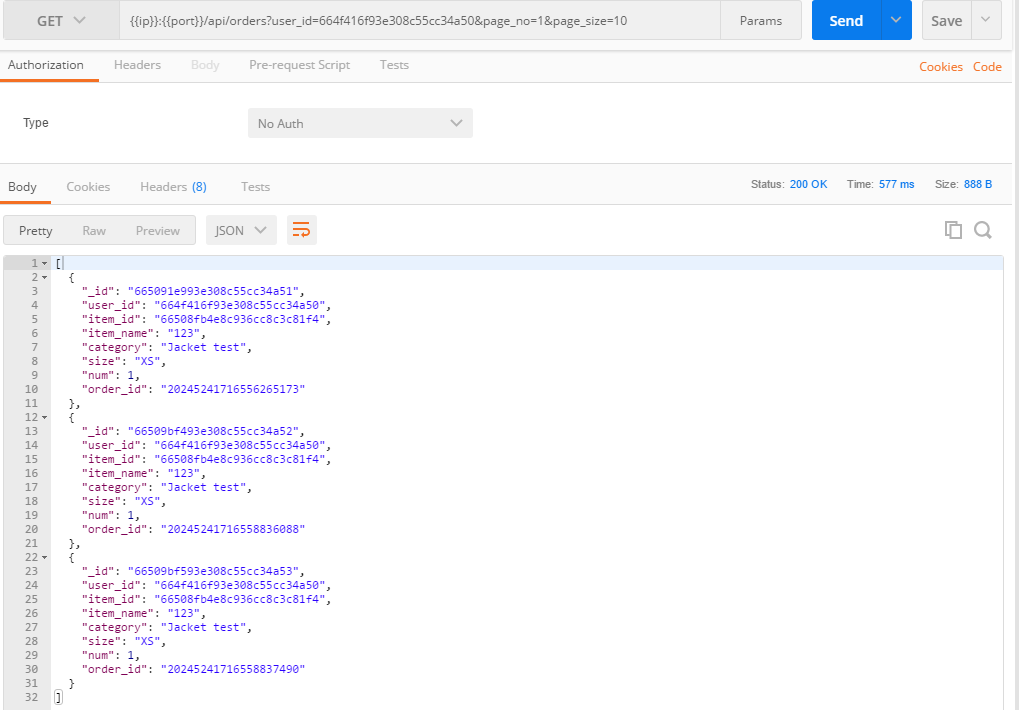
Order Information List Enquiry

Requests

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders?user\_id=664f416f93e308c55cc34a50&page\_no=1&page\_size=10 |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | [{  "\_id": "664e7d04c82b913912cbb535",  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 20,  "order\_id": "20245221716384993823"  }] |



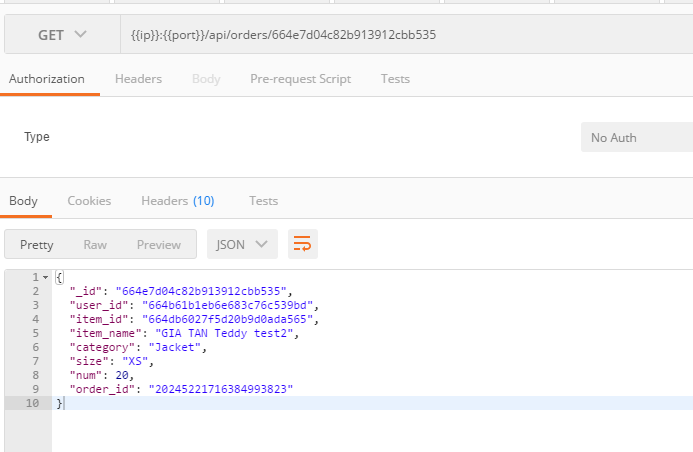
Query order information by id

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders/664e7d04c82b913912cbb535 |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "\_id": "664e7d04c82b913912cbb535",  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 20,  "order\_id": "20245221716384993823"  } |



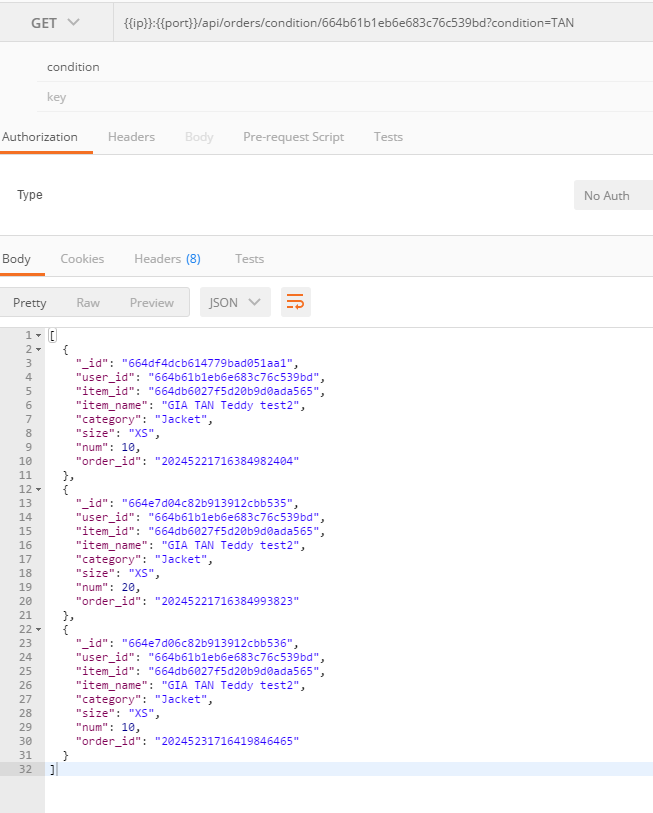
Search for orders by category

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders/condition/664b61b1eb6e683c76c539bd?condition=TAN |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | [  {  "\_id": "664df4dcb614779bad051aa1",  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 10,  "order\_id": "20245221716384982404"  },  {  "\_id": "664e7d04c82b913912cbb535",  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 20,  "order\_id": "20245221716384993823"  },  {  "\_id": "664e7d06c82b913912cbb536",  "user\_id": "664b61b1eb6e683c76c539bd",  "item\_id": "664db6027f5d20b9d0ada565",  "item\_name": "GIA TAN Teddy test2",  "category": "Jacket",  "size": "XS",  "num": 10,  "order\_id": "20245231716419846465"  }  ] |



Order Information Deletion

Request

|  |  |
| --- | --- |
| Interface request path | {{ip}}:{{port}}/api/orders/664df4e1b614779bad051aa2 |
| Request Method | GET |
| Request Header | application/json |
| Request Body |  |

Response results

|  |  |
| --- | --- |
| Status Code | 200 |
| response body | {  "message": "order deleted successfully"  } |

