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| № | Action | URL | Method  request | Body example | Right requesting | Authentication data |
| **Datamodel: Administrator** | | | | | | |
| 1 | Get all administrators | /admin/administrators | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 2 | Get by id | /admin/administrators/? | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 3 | Create new administrator | /admin/administrators | POST | {  "firstName": "Alex\_admin",  "lastName": "Prohorov",  "password": "admin",  "role": "ADMIN\_ROLE"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 4 | Update administrator | /admin/administrators/? | POST | {  "firstName": "Alexey\_admin",  "lastName": "Prohorov",  "password": "admin",  "role": "ADMIN\_ROLE"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 5 | Delete administrator | /admin/administrators/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| **Datamodel: Client** | | | | | | |
| 1 | Get all clients | /admin/clients | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 2 | Get all client blacklisted(true) | /admin/clients?blacklisted=true | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| Get all client blacklisted(false) | /admin/clients?blacklisted=false |
| 3 | Get own data | /client/clients | GET | -empty- | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 4 | Get by id | /admin/clients/? | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 5 | Create new client | /admin/clients | POST | {  "firstName": "Kolya\_client",  "lastName": "Ivanov",  "age": 35,  "blacklisted": false,  "password": "user",  "role": "USER\_ROLE"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 6 | Update client | /admin/clients/? | POST | {  "firstName": "Nikolay\_client",  "lastName": "Ivanov",  "age": 35,  "blacklisted": false,  "password": "user",  "role": "USER\_ROLE"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 7 | Update own data | /client/clients | POST | {  "firstName": "Nikolay\_client",  "lastName": "Ivanov",  "age": 35,  "blacklisted": false,  "password": "user",  "role": "USER\_ROLE"  } | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 8 | Delete client | /admin/clients/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| **Datamodel: Category** | | | | | | |
| 1 | Get all categories(RU) | /categories?lang=ru | GET | -empty- | visitor | -not need authentication- |
| Get all categories(EN) | /categories?lang=en |
| 2 | Get by id(RU) | /categories/??lang=ru | GET | -empty- | visitor | -not need authentication- |
| Get by id(EN) | /categories/??lang=en |
| 3 | Create new category | /admin/categories | POST | {  "itemEn": "Vacuum cleaner",  "itemRu": "Пылесос"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 4 | Update category | /admin/categories/? | POST | {  "itemEn": "Washing vacuum cleaner",  "itemRu": "Моющий пылесос"  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 5 | Delete category | /admin/categories/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| **Datamodel: Product** | | | | | | |
| 1 | Get all products | /products | GET | -empty- | visitor | -not need authentication- |
| Get all with one category | /products?categoryId=? |
| 2 | Get by id | /products/? | GET | -empty- | visitor | -not need authentication- |
| 3 | Create new product | /admin/products | POST | {  "category": {  "id": 1  },  "name": "LG EOS 6D",  "price": 134.8,  "quantity": 38  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 4 | Update product | /admin/products/? | POST | {  "category": {  "id": 2  },  "name": "LG 3S",  "price": 79.1,  "quantity": 56  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 5 | Delete product | /admin/products/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| **Datamodel: Order** | | | | | | |
| 1 | Get all orders | /admin/orders | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| Get all orders one administrator | /admin/orders?administrator\_id=? |
| Get all orders one client | /admin/orders?client\_id=? |
| Get all orders interval date | /admin/orders?interval=1444770000000\_1434229200000 |
| 2 | Get by id | /admin/orders | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 3 | Get own orders | /client/orders | GET | -empty- | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 4 | Create new order (admin) | /admin/orders | POST | {  "dateOrder": "2017-09-14",  "client": {  "id": 1  },  "administrator": {  "id": 1  },  "priceAllPurchases": 150  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
|  | Create new order(client) | /client/orders | POST | {  "dateOrder": "2017-09-19",  "client": {  "id": 2  },  "administrator": {  "id": 1  },  "priceAllPurchases": 150  } | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 5 | Update product | /admin/orders/? | POST | {  "dateOrder": "2018-09-14",  "client": {  "id": 2  },  "administrator": {  "id": 2  },  "priceAllPurchases": 389  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 6 | Delete product | /admin/orders/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| **Datamodel: OrderItem** | | | | | | |
| 1 | Get all order items | /admin/order\_items | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 2 | Get by id | /admin/order\_items/? | GET | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 3 | Get own order items | /client/order\_items | GET | -empty- | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 4 | Create new order item | /admin/order\_items | POST | {  "order": {  "id": 2  },  "product": {  "id": 1  },  "quantity": 2  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 5 | Create new own order item | /admin/order\_items | POST | {  "order": {  "id": 1  },  "product": {  "id": 2  },  "quantity": 5  } | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 6 | Update order item | /admin/order\_items/? | POST | {  "order": {"id": 2},  "product": {"id": 1},  "quantity": 1  } | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 7 | Update own order item | /client/order\_items/? | POST | {  "order": {  "id": 1  },  "product": {  "id": 5  },  "quantity": 4  } | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |
| 8 | Delete order item | /admin/order\_items/? | DELETE | -empty- | admin | Authorization: Basic UGV0cl9hZG1pbjphZG1pbg==  Content-Type: application/json |
| 9 | Delete own order item | /client/order\_items/5 | DELETE | empty | client | Authorization: Basic TWF4X2NsaWVudDp1c2Vy  Content-Type: application/json |