

## Documentation

### Authentication credentials:

- username = shreyaskn72
- Password = secret

### Case1 - Unauthorized case:

You give no credentials or false credentials in this case.

Endpoint: <http://127.0.0.1:8080/product>

Method:POST

### Example 1:

Request:

```
{  
  "name": "colgate",  
  "description": "This is for brushing teeth",  
  "price": 40,  
  "qty": 2  
}
```

Response:

```
{  
  "error": "Unauthorized access"  
}
```

In the upcoming cases you give correct credentials as:

- username = shreyaskn72
- Password = secret

## POST method:

Endpoint: <http://127.0.0.1:8080/product>

Method:POST

### Example 1:

Request:

```
{
  "name": "colgate",
  "description": "This is for brushing teeth",
  "price": 40,
  "qty": 2
}
```

Response:

```
{
  "1": {
    "description": "This is for brushing teeth",
    "name": "colgate",
    "price": 40,
    "qty": 2
  }
}
```

Database:

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2

### Example 2:

Request:

```
{
  "name": "Ujala",
  "description": "This is for cleaning",
  "price": 15,
  "qty": 2
}
```

Response:

```
{
  "2": {
    "description": "This is for cleaning",
    "name": "Ujala",
    "price": 15,
    "qty": 2
  }
}
```

Database before adding:

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2

Database after adding:

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2
2	2	Ujala	This is for cleaning	15	2

GET method:

Endpoint: `http://127.0.0.1:8080/product/<id>`

Example of endpoint: <http://127.0.0.1:8080/product/2>

Method: GET

Response:

```
{
  "2": {
    "description": "This is for cleaning",
    "id": 2,
    "name": "Ujala",
    "price": 30,
    "qty": 5
  }
}
```

## PUT method:

Endpoint: <http://127.0.0.1:8080/product/update>

Method: PUT

Request:

```
{
  "id": 2,
  "name": "Ujala2",
  "description": "This is a new version of ujala. Its used for cleaning clothes",
  "price": 30,
  "qty": 5
}
```

Response:

```
{
  "2": {
    "description": "This is a new version of ujala. Its used for cleaning clothes",
    "id": 2,
    "name": "Ujala2",
    "price": 30,
    "qty": 5
  }
}
```

Database before update:

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2
2	2	Ujala	This is for cleaning	15	2

Database after update

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2
2	2	Ujala2	This is a new version of ujala. Its used for cleaning clothes	30	5

## Delete method:

Endpoint: <http://127.0.0.1:8080/product/delete>

Method: DELETE

Request:

```
{  
  "id": 1  
}
```

Response:

"User deleted successfully!"

Database before delete operation:

	id	name	description	price	qty
1	1	colgate	This is for brushing teeth	40	2
2	2	Ujala2	This is a new version of ujala. Its used for cleaning clothes	30	5

Database after delete operation:

	id	name	description	price	qty
1	2	Ujala2	This is a new version of ujala. Its used for cleaning clothes	30	5