WonderQ API Documentation

Author: Mohamed Riyas Kakkidiparambil
Queue Timeout: 1 Minute (default)*

*configurable in .env (in minutes)
QUEUE_TIMEOUT = 1

GET /api/wonderq/all

Description
This endpoint will list all messages in the Queue.

Success Response

```json
{
  "version": "v1.0",
  "success": true,
  "status": 200,
  "message": "Successfully retrieved.",
  "data": [
    {
      "_id": "VZ1zyJqUdL",
      "message": "Test",
      "is_received": false,
      "timeout": null
    }
  ]
}
```

GET /api/wonderq

Description
This endpoint will be used by the consumer to consume messages from the Queue.

Success Response - 200 - Successfully retrieved

```json
{
  "version": "v1.0",
  "success": true,
  "status": 200,
```

```
    "message": "Successfully retrieved.",
    "data": [
        {
            "_id": "VZ1zyJqUdL",
            "message": "Test",
            "is_received": true,
            "timeout": "2021-12-26T19:37:44.820Z"
        }
    ]
}
```

Error Response - 404 - No messages found

```
{
    "version": "v1.0",
    "success": false,
    "status": 404,
    "message": "No messages found.",
    "data": []
}
```

POST /api/wonderq

Description
This endpoint will be used by the producer to create messages to the Queue.

Request Body

```
{
    "message": "Test"
}
```

Parameters
message: string

Success Response - 200 - Successfully created the message

```
{
    "version": "v1.0",
    "success": true,
    "status": 200,
    "message": "Successfully created the message.",
    "data": [
        {
            "_id": "hfDnZqdp7d",
            "message": "Test",
```

```json
            "is_received": false,
            "timeout": null
        }
    ]
}
```

Error Response - 400 - **Message is mandatory**

```json
{
    "version": "v1.0",
    "success": false,
    "status": 400,
    "message": "message is mandatory.",
    "data": []
}
```

DELETE /api/wonderq/processed/:id

URL Parameters
id: string

Description
This endpoint will be used by the consumer to delete the processed message from the Queue within the timeout period.

Success Response - 200 - **Successfully deleted the message from the Queue**

```json
{
    "version": "v1.0",
    "success": true,
    "status": 200,
    "message": "Succesfully deleted the message from the Queue.",
    "data": []
}
```

Error Response - 400 - **Trying to delete the message which is not processed after the timeout period**

```json
{
    "version": "v1.0",
    "success": false,
    "status": 400,
    "message": "This message was timed out and available to consume.",
    "data": [
        {
            "_id": "DWAGTC66SR",
            "message": "Test",
```

```
        "is_received": true,
        "timeout": "2021-12-26T19:51:18.928Z"
    }
  ]
}
```

Error Response - 400 - Trying to delete the message which is not picked by any consumer

```
{
  "version": "v1.0",
  "success": false,
  "status": 400,
  "message": "This message is available to consume.",
  "data": [
    {
      "_id": "DWAGTC66SR",
      "message": "Test",
      "is_received": false,
      "timeout": null
    }
  ]
}
```