ToDo Web API Manual

Version 1.0

URL Patterns and HTTP Methods

REST Service Description	URL Pattern	HTTP Method	Example
Get all ToDo	<rest-context>/api/<module>/getall	GET	http://localhost:63837/api/todo/getall
Get one ToDo item by specific id	<rest-context>/api/<module>/get?id={value}	GET	http://localhost:63837/api/todo/get?id= 07c6d832-2cb3-4d04-a0ee-4fb30d22c67f
Add ToDo by send request parameter	<rest-context>/api/<module>/add	POST	http://localhost:63837/api/todo/add
Edit ToDo by send request parameter	<rest-context>/api/<module>/edit	POST	http://localhost:63837/api/todo/add
Set todo status by specific id and status	<rest-context>/api/<module>/setstatus	POST	http://localhost:63837/api/todo/setstatus
Delete todo item by specific id	<rest-context>/api/<module>/delete	DELETE	http://localhost:63837/api/todo/delete

HTTP Response Codes

200 OK: Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request, the response will contain an entity describing or containing the result of the action.

400 Bad Request: The server cannot or will not process the request due to something that is perceived to be a client error (e.g., malformed request syntax, invalid request message framing, or deceptive request routing).

401 Unauthorized: Similar to *403 Forbidden*, but specifically for use when authentication is required and has failed or has not yet been provided. The response must include a WWW-Authenticate header field containing a challenge applicable to the requested resource.

403 Forbidden: The request was a valid request, but the server is refusing to respond to it. Unlike a 401 Unauthorized response, authenticating will make no difference.[40] 403 error semantically means "unauthorized", i.e. "you don't have necessary permissions for the resource".

404 Not Found: The requested resource could not be found but may be available again in the future. Subsequent requests by the client are permissible.

500 Internal Server Error: A generic error message, given when an unexpected condition was encountered and no more specific message is suitable.

To Do Get All

URL: http://localhost:63837/api/todo/getall

Http Request Method: GET

Description: get all to do list

*No request JSON

Sample JSON response

```
{
   "data": [
     {
        "id": "601ca08f-e652-4e4d-b809-339cc2ab6391",
        "subject": "test",
        "detail": "detail",
        "status": 2
     }
   ],
   "statusCode": 200,
   "message": "success"
}
```

To Do Get

URL: http://localhost:63837/api/todo/get

Http Request Method: GET

Description: get to do by id

Request Get parameter structure:

No.	Attribute Name	Type	Is Required
1	id	string	Yes

Sample JSON response

```
{
   "data": [
     {
        "id": "601ca08f-e652-4e4d-b809-339cc2ab6391",
        "subject": "test",
        "detail": "detail",
        "status": 2
     }
   ],
   "statusCode": 200,
   "message": "success"
}
```

To Do Add

URL: http://localhost:63837/api/todo/get

Http Request Method: POST

Description: add to do by POST and send request parameter

Request Get parameter structure:

No.	Attribute Name	Type	Is Required
2	Subject	String	Yes
3	Detail	String	No
4	Status	Int	No

Sample JSON response

```
{
    "data": "",
    "statusCode": 200,
    "message": "success"
}
```

To Do Edit

URL: http://localhost:63837/api/todo/get

Http Request Method: POST

Description: edit to do by post and send request parameter

Request Get parameter structure:

No.	Attribute Name	Type	Is Required
1	id	string	Yes
2	Subject	String	Yes
3	Detail	String	No
4	Status	Int	Yes

Sample JSON response

```
{
   "data": "",
   "statusCode": 200,
   "message": "success"
}
```

To Do Set Status

URL: http://localhost:63837/api/todo/setstatus

Http Request Method: POST

Description: set to do status by pass id and status

Request Get parameter structure:

No.	Attribute Name	Type	Is Required
1	id	string	Yes
2	Status	Int	Yes

Sample JSON response

```
{
    "data": "",
    "statusCode": 200,
    "message": "success"
}
```

To Do Delete

URL: http://localhost:63837/api/todo/delete

Http Request Method: DELETE

Description: delete to do by id

Request Get parameter structure:

No.	Attribute Name	Type	Is Required
1	id	string	Yes

Sample JSON response

```
{
    "data": "",
    "statusCode": 200,
    "message": "success"
}
```