**TODO API Document**

Version 1.0

**Revision History**

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| --- | --- | --- |
| **Version** | **By** | **Description** |
| 1.0 | Vichairat Piyachinda | Todo Api document created |

**Overview**

Here is the API

|  |  |  |  |
| --- | --- | --- | --- |
| **API** | **Description** | **Request body** | **Response body** |
| GET /api/todo | Get all to-do items | None | Array of to-do items |
| GET /api/todo/{id} | Get an item by ID | None | To-do item |
| POST /api/todo | Add a new item | To-do item | To-do item |
| PUT /api/todo/{id} | Update an existing item | To-do item | Update result |
| DELETE /api/todo/{id} | Delete an item | None | Delete result |

**API**

1. **GET /api/todo** Get all to-do items

|  |  |  |
| --- | --- | --- |
| **Request Header** | | |
|  | | |
| **Request Body** | | |
|  | | |
| **Response Header** | | |
| Content-Type:application/json | | |
| **Response Body Sample** | | |
| 1. { 2. "status": 200, 3. "items": [ 4. { 5. "detail": "sample detail", 6. "done": 0, 7. "id": 1, 8. "subject": "sample subject" 9. }, 10. { 11. "detail": "new detail", 12. "done": 0, 13. "id": 2, 14. "subject": "new subject" 15. } 16. ], 17. "error": **null** 18. } | | |
| **Item field** | **Data type** | **Description** |
| id  subject  detail  done | Integer  String  String  Bit | Item ID  Subject of the task  Free text content or detail for the task  0 is pending, 1 is done |
| **Status** | **Description or error message** | |
| 200 | OK | |

2. **GET /api/todo/{id}** Get an item by ID

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Data type** | **Description** |
| id | Integer | Item ID |
| **Request Header** | | |
|  | | |
| **Request Body** | | |
|  | | |
| **Response Header** | | |
| Content-Type:application/json | | |
| **Response Body Sample** | | |
| 1. { 2. "status": 200, 3. "item": { 4. "detail": "sample detail", 5. "done": 0, 6. "id": 1, 7. "subject": "sample subject" 8. }, 9. "error": **null** 10. } | | |
| **Item field** | **Data type** | **Description** |
| id  subject  detail  done | Integer  String  String  Bit | Item ID  Subject of the task  Free text content or detail for the task  0 is pending, 1 is done |
| **Status** | **Description or error message** | |
| 200  404 | OK  Not found item id {id} | |

3. **POST /api/todo** Add a new item

|  |  |  |
| --- | --- | --- |
| **Request Header** | | |
| Content-Type:application/json | | |
| **Request Body** | | |
| 1. { 2. "subject": "new subject", 3. "detail": "new detail", 4. "done": 0 5. } | | |
| **Response Header** | | |
| Content-Type:application/json | | |
| **Response Body Sample** | | |
| 1. { 2. "status": 200, 3. "item": { 4. "done": 0, 5. "detail": "new detail", 6. "subject": "new subject", 7. "id":2 8. }, 9. "error": **null** 10. } | | |
| **Item field** | **Data type** | **Description** |
| id  subject  detail  done | Integer  String  String  Bit | Item ID  Subject of the task  Free text content or detail for the task  0 is pending, 1 is done |
| **Status** | **Description or error message** | |
| 200  400  400 | OK  Bad Request, We accept only json for this request.  Bad Request, incorrect input task format. | |

4. **PUT /api/todo/{id}** Update an existing item

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Data type** | **Description** |
| id | Integer | Item ID |
| **Request Header** | | |
| Content-Type:application/json | | |
| **Request Body** | | |
| 1. { 2. "subject": "subject updated", 3. "detail": "detail updated", 4. "done": 1 5. } | | |
| **Response Header** | | |
| Content-Type:application/json | | |
| **Response Body Sample** | | |
| 1. { 2. "status": 200, 3. "error": **null** 4. } | | |
| **Item field** | **Data type** | **Description** |
| subject  detail  done | String  String  Bit | Subject of the task  Free text content or detail for the task  0 is pending, 1 is done |
| **Status** | **Description or error message** | |
| 200  400  400  404 | OK  Bad Request, We accept only json for this request.  Bad Request, incorrect input task format.  Not found item id {id} | |

5. **DELETE /api/todo/{id}** Delete an item

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Data type** | **Description** |
| id | Integer | Item ID |
| **Request Header** | | |
|  | | |
| **Request Body** | | |
|  | | |
| **Response Header** | | |
| Content-Type:application/json | | |
| **Response Body Sample** | | |
| 1. { 2. "status": 200, 3. "error": **null** 4. } | | |
| **Status** | **Description or error message** | |
| 200  404 | OK  Not found item id {id} | |