**To Do API Web Service Document**

**Resource Path:** /Task/webapi/task/getTasks

**Method:** GET

**Description:** Get all task list

**Output:**

|  |  |  |
| --- | --- | --- |
| **Field** | **Content** | **Type** |
| **ResultJson** | **Result Json** | |
| success | Status | Integer (0 = Failed, 1 = Success) |
| result | Result Object | TaskBean |
| message | Response Message | String |
| errorMessage | Error Message | String |
| **TaskBean** | **Task Data** | |
| id | Task ID | Integer |
| subject | Task Subject | String |
| detail | Task Detail | String |
| Status | Task Status | Integer (0 = Inactive, 1 = Active) |

Example Output:

* Error case

|  |
| --- |
| {  success: 0,  result: {null},  message: “SEARCH\_FAILED”,  errorMessage: “Connection refused”  } |

* Success case with data

|  |
| --- |
| {  success: 1,  result: [ { id: 1,  subject: “Study English”,  detail: “English 101 – Friday Night”,  status: 1 },  { id: 2,  subject: “Math Homework”,  detail: “Due date 9 November”,  status: 0 } ],  message: “SEARCH\_SUCCESS”,  errorMessage: “”  } |

* Success case with no data

|  |
| --- |
| {  success: 1,  result: “”,  message: “SEARCH\_SUCCESS”,  errorMessage: “”  } |

**Resource Path:** /Task/webapi/task/getTask

**Method:** POST

**Description:** Get specific task by id

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Content** | **Input** | **Type** |
| **TaskBean** | **Task Data** | | |
| Id | Task ID | Mandatory | Integer |
| Subject | Task Subject | Optional | String |
| detail | Task Detail | Optional | String |
| status | Task Status | Optional | Integer (0 = Inactive, 1 = Active) |

**Output:**

|  |  |  |
| --- | --- | --- |
| **Field** | **Content** | **Type** |
| **ResultJson** | **Result Json** | |
| success | Status | Integer (0 = Failed, 1 = Success) |
| result | Result Object | TaskBean |
| message | Response Message | String |
| errorMessage | Error Message | String |
| **TaskBean** | **Task Data** | |
| id | Task ID | Integer |
| subject | Task Subject | String |
| detail | Task Detail | String |
| Status | Task Status | Integer (0 = Inactive, 1 = Active) |

Example Input:

|  |
| --- |
| {  id: 1  } |

Example Output:

* Error case

|  |
| --- |
| {  success: 0,  result: {null},  message: “SEARCH\_FAILED”,  errorMessage: “Connection refused”  } |

* Success case

|  |
| --- |
| {  success: 1,  result: { id: 1,  subject: “Study English”,  detail: “English 101 – Friday Night”,  status: 1 },  message: “SEARCH\_SUCCESS”,  errorMessage: “”  } |

**Resource Path:** /Task/webapi/task/save

**Method:** POST

**Description:** Create new task or update existing task and return lasted value of that task. If it is created case, it will return value with id. If it is update case, it will return the same value if save success.

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Content** | **Input** | **Type** |
| **TaskBean** | **Task Data** | | |
| Id | Task ID | Optional | Integer |
| Subject | Task Subject | Mandatory | String |
| detail | Task Detail | Optional | String |
| status | Task Status | Optional | Integer (0 = Inactive, 1 = Active) |

**Output:**

|  |  |  |
| --- | --- | --- |
| **Field** | **Content** | **Type** |
| **ResultJson** | **Result Json** | |
| success | Status | Integer (0 = Failed, 1 = Success) |
| result | Result Object | TaskBean |
| message | Response Message | String |
| errorMessage | Error Message | String |
| **TaskBean** | **Task Data** | |
| id | Task ID | Integer |
| subject | Task Subject | String |
| detail | Task Detail | String |
| Status | Task Status | Integer (0 = Inactive, 1 = Active) |

Example Input:

* Create new task

|  |
| --- |
| {  subject: “Shopping Grocerry”,  detail: “Meat, vegetables and beverages”  } |

* Update existing task

|  |
| --- |
| {  id: 2  subject: “Shopping Grocerry”,  detail: “Milk, eggs, chess, butter, cream, yellow pepper, avocados and bananas”,  status: 1  } |

Example Output:

* Error case

|  |
| --- |
| {  success: 0,  result: {null},  message: “SAVE\_FAILD”,  errorMessage: “Cannot find data to update”  } |

* Success case

|  |
| --- |
| {  success: 1,  result: { id: 1,  subject: “Study English”,  detail: “English 101 – Friday Night”,  status: 1 },  message: “SAVE\_SUCCESS”,  errorMessage: “”  } |

**Resource Path:** /Task/webapi/task/updateStatus

**Method:** POST

**Description:** Update status of specific task

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Content** | **Input** | **Type** |
| **TaskBean** | **Task Data** | | |
| Id | Task ID | Mandatory | Integer |
| Subject | Task Subject | Optional | String |
| detail | Task Detail | Optional | String |
| status | Task Status | Mandatory | Integer (0 = Inactive, 1 = Active) |

**Output:**

|  |  |  |
| --- | --- | --- |
| **Field** | **Content** | **Type** |
| **ResultJson** | **Result Json** | |
| success | Status | Integer (0 = Failed, 1 = Success) |
| result | Result Object | Boolean |
| message | Response Message | String |
| errorMessage | Error Message | String |

Example Input:

|  |
| --- |
| {  id: 1,  status: 0,  } |

Example Output:

* Error case

|  |
| --- |
| {  success: 0,  result: false,  message: “SAVE\_FAILED”,  errorMessage: “Connection refused”  } |

* Success case

|  |
| --- |
| {  success: 1,  result: true,  message: “SAVE\_SUCCESS”,  errorMessage: “”  } |

**Resource Path:** /Task/webapi/task/delete

**Method:** POST

**Description:** Delete specific task

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Content** | **Input** | **Type** |
| **TaskBean** | **Task Data** | | |
| Id | Task ID | Mandatory | Integer |
| Subject | Task Subject | Optional | String |
| detail | Task Detail | Optional | String |
| status | Task Status | Optional | Integer (0 = Inactive, 1 = Active) |

**Output:**

|  |  |  |
| --- | --- | --- |
| **Field** | **Content** | **Type** |
| **ResultJson** | **Result Json** | |
| success | Status | Integer (0 = Failed, 1 = Success) |
| result | Result Object | Boolean |
| message | Response Message | String |
| errorMessage | Error Message | String |

Example Input:

|  |
| --- |
| {  id: 1  } |

Example Output:

* Error case

|  |
| --- |
| {  success: 0,  result: false,  message: “DELETE\_FAILED”,  errorMessage: “Connection refused”  } |

* Success case

|  |
| --- |
| {  success: 1,  result: true,  message: “DELETE\_SUCCESS”,  errorMessage: “”  } |