**Add Single Task API**

The Add single Task API is used to add tasks to the LeadList. If the Task is already exist then it must refer to an error and If it is new Task then it must be added successfully.

**STEPS IN API:**

STEP 1: when we click on ADD TASK we need to receive the request.

STEP 2: when we click on EMAIL we need to receive the request.

STEP 3: Check for SUBJECT in the request. If exist return to error, or else add Task successfully.

STEP 4: Check for COMMENTS in the request. If exist return to error, or else add Task successfully.

STEP 5: Check for CREATED ON in the request. If exist return to error, or else add Task successfully.

STEP 6: Check for ASSIGNED TO in the request. If exist return to error, or else add Task successfully.

STEP 7: Check for LEAD EMAIL ID in the request. If exist return to error, or else add Task successfully.

STEP 8: Check for STATUS in the request. If exist return to error, or else add Task successfully.

STEP 9: when we click on SAVE we need to receive the request and the task must be added and saved.

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| Case | Request | Response | Description |
| Request with SUBJECT, COMMENTS, CREATED ON,  ASSIGNED TO, LEAD EMAIL ID,  STATUS which already exists in db | {  “subject”: ”sai”,  “ comments”: ”exist”,  “created on”: ”1/10/2022”,  “assigned to”: “Larry”,  “ lead email id”: “Larry@123”,  “status”: “1/10/2022”  } | {    "status": "error",    "Message": "Task already exist”    } |  |
| Request with SUBJECT, COMMENTS, CREATED ON,  ASSIGNED TO, LEAD EMAIL ID,  STATUS which not exists in db | {  “subject”: ”sai”,  “ comments”: ”exist”,  “created on”: ”1/10/2022”,  “assigned to”: “Larry”,  “ lead email id”: “Larry@123”,  “status”: “1/10/2022”  } | {    "status": "Success",      "Task Title": ”sai”,  “created on”:” 1/10/2022”,  “status”: “1/10/2022”  “owner’: “Larry”  } |  |
| Request with fields are empty | {  “subject”: ”sai”,  “ comments”: ”exist”,  “created on”: ”1/10/2022”,  “assigned to”: “Larry”,  “ lead email id”: “Larry@123”,  “status”: “1/10/2022”} | {    "status": "error",    "Message": "some fields are  missing”  } |  |
| Request with lead email id contains @ | {  “subject”: ”sai”,  “ comments”: ”exist”,  “created on”: ”1/10/2022”,  “assigned to”: “Larry”,  “ lead email id”: “Larry@123”,  “status”: “1/10/2022”  } | {    "status": "success",    } |  |
| Request with lead email id doesn’t contains @ | {  “subject”: ”sai”,  “ comments”: ”exist”,  “created on”: ”1/10/2022”,  “assigned to”: “Larry”,  “ lead email id”: “Larry@123”,  “status”: “1/10/2022”  } | {    "status": "error",    "Message": "@ in lead email id is missing”  } |  |

**Update single Task API**

The Update single Task API is used to update a task to the Task List. If the field which I am trying to update is same as existing one then it must refer to an error and If it is updated with a new field then it must be updated successfully.

**STEPS IN API:**

STEP 1: when we click on EDIT we need to receive the request.

STEP 2: Check for Task Title in the request. If exist return to error, or else update the task.

STEP 3: Check for Campaign in the request. If exist return to error, or else update the task.

STEP 4: Check for Lead in the request. If exist return to error, or else update the task.

STEP 5: Check for Created on in the request. If exist return to error, or else update the task.

STEP 6: Check for Status in the request. If exist return to error, or else update the task.

STEP 7: Check for Owner in the request. If exist return to error, or else update the task.

STEP 8: when we click on SAVE CHANGES we need to receive the request and the task must be updated and saved.

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| Case | Request | Response | Description |
| Request with all fields  which already exists in db | {  “Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "error",    "Message": "Task already exist”    } |  |
| Request with all fields which not exists in db | {  “Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "Success",      “Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} |  |
| Request with Task Title and campaign, lead, created on, status, owner are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "Task Title is updated”  } |  |
| Request with campaign and Task Title, lead, created on, status, owner are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "campaign is updated”  } |  |
| Request with lead and Task Title, campaign, created on, status, owner are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "lead is updated”  } |  |
| Request with created on and Task Title, lead, campaign, status, owner are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "Created on is updated”  } |  |
| Request with status and Task Title, lead, campaign, created on, owner are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "status is updated”  } |  |
| Request with owner and Task Title, lead, campaign, status, created on are empty | {“Task Title”: ”kevin”,  “ campaign”: ”camp add”,  “created on”: ”2022-10-12”,  “owner”: “Larry”,  “ lead ”: “charley”,  “status”: “pending”} | {    "status": "success",    "Message": "owner is updated”  } |  |