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Bachelor of Science in Information Technology  
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IT137 – Integrative Programming and Technologies 2

## **Digital Memo Distribution System API Documentation**

The Digital Memo Distribution System API Documentation is a concise and professional guide for developers and administrators. It provides essential information about API endpoints, functionalities, and response formats, enabling seamless integration of the system's features into applications. Covering user authentication, account management, event creation, memo handling, notifications, and reporting, this documentation ensures efficient utilization of the Digital Memo Distribution System.

### **API Categories in the System**

1. Admin API
  - Endpoint '/admin'
  - Functionality
    - These APIs offers services for managing the admin account, user management, secretary-related operations, and the creation, receiving, and notification handling of memos
2. Secretary API
  - Endpoint '/secretary'
  - Functionality
    - These APIs offers services for managing the Secretary account, user management, secretary-related operations, and the creation, receiving, and notification handling of memos
3. Instructor API
  - Endpoint '/user'
  - Functionality
    - These APIs offers services for managing the instructor account, Instructor-related operations, receiving, and notification handling of memos

## Admin API

The Admin API documentation outlines a set of purpose-built APIs tailored for Admin-type accounts within the Digital Memo Distribution System. Specifically designed to facilitate seamless communication with the system, these APIs empower administrators with a range of services. From managing the admin account and overseeing user management to executing secretary-related operations, the Admin API also plays a pivotal role in the creation, reception, and efficient handling of notifications for memos. This documentation serves as a vital resource for administrators looking to navigate and leverage these functionalities effectively within the Digital Memo Distribution System. Here are the administrative functions that are required:

### Get all users

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use for retrieval of all employees registered from the database ready for display in the frontend.

**Endpoint:**

localhost:5000/getalluser
---------------------------

**Method:** GET

**Parameters:**

The parameter for retrieving all users from the database is omitted, indicating that the API endpoint defaults to scanning and returning all registered employees without any specific filters.

**Response Format:** JSON

**Response:**

```
{
  "success": true,
  "users": [
    {
      "id": "65633d5902e83886f7d74830",
      "name": "Almiko Jasper Caballes",
      "email": "almikojaspercaballes@gmail.com",
      "role": 1,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocLDaz9Cn5cotdaqX17nu#q7yOXFmJs1VkSw0FJY-2TW=s96-c",
      "createdAt": "2023-11-26T12:43:05.725Z",
      "updatedAt": "2023-12-02T00:45:58.315Z",
      "__v": 0
    },
    {
      "id": "656c08883f548562e7eb87e7",
      "name": "ALMIKO JASPER CABALLES",
      "email": "2101101716@student.buksu.edu.ph",
      "role": 2,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocID95IS5f3P9RyTdx4TsJperUJg0GEV0HfqqqsAXvadTQ=s96-c",
      "createdAt": "2023-12-03T04:48:08.093Z",
      "updatedAt": "2023-12-05T03:10:17.371Z",
      "__v": 0
    },
    {
      "id": "656c09403f548562e7eb87ea",
      "name": "Shoppe Shoppe2",
      "email": "shoppeshop942@gmail.com",
      "role": 2,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocJ2xpTCsohaAim_DHqe0ELB07810FbCQ8sQdzQF9dGn=s96-c",
      "createdAt": "2023-12-03T04:51:12.955Z",
      "updatedAt": "2023-12-18T08:33:43.611Z",
      "__v": 0
    },
    {
      "id": "657ae41525fb30d1fd7d43dd",
      "name": "Christian Jay Estandarte",
      "email": "cjlapizar27@gmail.com",
      "role": 0,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocJtBmDPXtWZuvjemnibTp4788IX8H02-SFy8iQ5_QKn=s96-c",
      "createdAt": "2023-12-14T11:16:37.152Z",
      "updatedAt": "2023-12-14T11:16:37.152Z",
      "__v": 0
    }
  ]
}
```

## Delete the User

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to delete the User details from the database.

**Endpoint:**

localhost:5000/api/deletethisuser

**Method:** DELETE

**Parameter:**

id: User's id

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "message": "User has been deleted"
}
POST /api/deletethisuser 200 66.071 ms - 50
```

## Invite User

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is used by the admin to invite users to join and enter the system.

**Endpoint:**

localhost:5000/api/invite

**Method:** POST

**Parameters:**

recipient: Gmail address of the person receiving the email

sender: Gmail address of the person sending the email

subject: The headline of the email that appears in the recipient's inbox

message: The content of the email sent by the sender

code: Contains the verification code

role: The role or designation of the recipient

**Response Format:** JSON

**Response:**

```
Email sent: 250 2.0.0 OK 1703155376 w7-20020a170902e88700b001d072365b87sm1319689plg.106 - gsmtip
JSON Response: {
  "success": true,
  "savedCode": {
    "code": "ISJDNBKVUS",
    "role": 2,
    "_id": "658416acdf07a1d8f1e1bd46",
    "createdAt": "2023-12-21T10:42:52.062Z",
    "updatedAt": "2023-12-21T10:42:52.062Z",
    "__v": 0
  },
  "message": "Email sent successfully"
}
```

## Create Event

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to create an event and save to the user google calendar.

**Endpoint:**

localhost:5000/api/create\_event

**Method:** POST

**Parameters:**

summary: The event's title

description: The event's content

startdatetime: The date and time when the event begins.

enddatetime: The date and time when the event ends.

**Response Format: JSON****Response:**

```
JSON Response: {
  "success": true,
  "donecreate": {
    "useremail": "almikojaspercaballes@gmail.com",
    "title": "Testing",
    "description": "Testing123",
    "startDateTime": "2023-12-21T10:52:00.000Z",
    "endDateTime": "2023-12-22T10:52:00.000Z",
    "id": "6580418f32537c2a7d4915c5e",
    "createdAt": "2023-12-21T10:52:35.127Z",
    "updatedAt": "2023-12-21T10:52:35.127Z",
    "___v": 0
  }
}
POST /api/create_event 200 31.526 ms - 324
```

## Update User Role

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to update the role of the user by the admin or secretary.

**Endpoint:**

localhost:5000/api/updateuserrole

**Method:** POST

**Parameters:**

gmail: User's gmail

role: User's new role

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "user": {
    "_id": "656c09403f548562e7eb87ea",
    "name": "Shophe Shoppe2",
    "email": "shoppeshop342@gmail.com",
    "role": 3,
    "picture": "https://lh3.googleusercontent.com/a/ACg8ocJ2xpTCsohaAiW_DHqe0ELB07810FbCQ0sQdzQf9dGn=s96-c",
    "createdAt": "2023-12-03T04:51:12.955Z",
    "updatedAt": "2023-12-21T11:01:12.173Z",
    "_v": 0
  }
}
POST /api/updateuserrole 200 65.169 ms - 314
```

## Send Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** The Admin uses this API endpoint to send a memo, and the information from the memo and saved in the database.

**Endpoint:**

localhost:5000/api/memo/create

**Method:** POST

**Parameters:**

title: The Memo's Title

sender: The sender's name

senderEmail: Email sender

recipients: recipients' list

content: the memo's content

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "memo": {
    "sender": "Almiko Jasper Caballes",
    "senderEmail": "almikojaspercaballes@gmail.com",
    "title": "Memo title",
    "content": "1703157508964-307015950-file (46).pdf-1702716042657-734949639",
    "recipients": [
      {
        "useremail": "2101101716@student.buksu.edu.ph",
        "username": "ALMIKO JASPER CABALLES",
        "read": false,
        "acknowledge": false,
        "_id": "65841f04c60fc5ed61e4c4de"
      }
    ],
    "_id": "65841f04c60fc5ed61e4c4dd",
    "createdAt": "2023-12-21T11:18:28.975Z",
    "updatedAt": "2023-12-21T11:18:28.975Z",
    "_v": 0
  }
}
POST /api/memo/create 201 33.502 ms - 485
```

## Notification

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is used to alert the admin about memo events such as new memo or acknowledgement.

**Endpoint:**

localhost:5000/api/getMynotifications

**Method:** GET

**Parameters:**

gmail: User's gmail

name: Name of the user

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "ackNotifications": [
    {
      "_id": "657887954094e9a2966e85ef",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "senderName": "ALMIKO JASPER CABALLES",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:17:25.674Z",
      "updatedAt": "2023-12-12T16:17:25.674Z",
      "__v": 0
    },
    {
      "_id": "6578884d4094e9a2966e8933",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "fishphishing18@gmail.com",
      "senderName": "Land Bank",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:20:29.520Z",
```

## Reports

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is designed for retrieving valuable insights into the Digital Memo Distribution System's monthly activities, offering a

comprehensive report on the quantity and details of both created and received memos

**Endpoint:**

localhost:5000/api/allreports

**Method:** POST

**Parameter:**

email: User's Gmail

month: Specific month

year: Specific year

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "receivememo": [
    {
      "_id": "657e9439764ad0e97693c5b5",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "title": "asd",
      "content": "1702794297194-691364771-Normalized_Systems_in_Database.pdf",
      "recipients": [
        {
          "useremail": "almikojaspercaballes@gmail.com",
          "username": "Almiko Jasper Caballes",
          "read": false,
          "acknowledge": false,
          "_id": "657e9439764ad0e97693c5b6"
        }
      ]
    },
    {
      "createdAt": "2023-12-17T06:24:57.224Z",
      "updatedAt": "2023-12-17T06:24:57.224Z",
      "_v": 0,
      "type": "received"
    }
  ],
  {
    "_id": "657e944f764ad0e97693c69a",
    "senderEmail": "2101101716@student.buksu.edu.ph",
    "title": "asd",
    "content": "1702794319743-338149353-Normalized_Systems_in_Database.pdf",
    "recipients": [
      {
        "useremail": "almikojaspercaballes@gmail.com",
        "username": "Almiko Jasper Caballes",
        "read": true,
        "acknowledge": false,
        "_id": "657e944f764ad0e97693c69b"
      }
    ]
  },
  {
    "createdAt": "2023-12-17T06:25:19.765Z",
    "updatedAt": "2023-12-17T07:37:43.682Z",
    "_v": 0,
  }
}
```



## Secretary API

The Secretary API is purpose-built to empower Secretary-type accounts in their communication with the Digital Memo Distribution System. This collection of APIs offers specialized services, including the management of Secretary accounts, user administration, execution of secretary-related operations, and seamless handling of memos from creation to reception. Additionally, the Secretary API ensures efficient notification management. This documentation serves as a vital resource, providing clear insights into the functionalities designed to optimize the Secretary's experience within the Digital Memo Distribution System. Here are the Secretary functions that are required:

### Get all users

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use for retrieval of all employees registered from the database ready for display in the frontend.

**Endpoint:**

localhost:5000/getalluser

**Method:** GET

**Parameters:**

The parameter for retrieving all users from the database is omitted, indicating that the API endpoint defaults to scanning and returning all registered employees without any specific filters.

**Response Format:** JSON

**Response:**

```
{
  "success": true,
  "users": [
    {
      "id": "65633d5902e83886f7d74830",
      "name": "Almiko Jasper Caballes",
      "email": "almikojaspercaballes@gmail.com",
      "role": 1,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocLDaz0Ch5cotdaqX17nuMq7yOXFmJs1VksW0FJY-2TW=s96-c",
      "createdAt": "2023-11-26T12:43:05.725Z",
      "updatedAt": "2023-12-02T00:45:58.315Z",
      "__v": 0
    },
    {
      "id": "656c08883f548562e7eb87e7",
      "name": "ALMIKO JASPER CABALLES",
      "email": "2101101716@student.buksu.edu.ph",
      "role": 2,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocID95ISf3P9RyTdx4TsJperUJgDGEV0HfqqqsAXvadTQ=s96-c",
      "createdAt": "2023-12-03T04:48:08.093Z",
      "updatedAt": "2023-12-05T03:10:17.371Z",
      "__v": 0
    },
    {
      "id": "656c09403f548562e7eb87ea",
      "name": "Shophe Shoppe2",
      "email": "shoppeshop342@gmail.com",
      "role": 2,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocJ2xpTCsohaA1W_DHqe0EL807818FbCQ0sQdzQf9dGn=s96-c",
      "createdAt": "2023-12-03T04:51:12.955Z",
      "updatedAt": "2023-12-18T08:33:43.611Z",
      "__v": 0
    },
    {
      "id": "657ae41525fb30d1fd7043dd",
      "name": "Christian Jay Estandarte",
      "email": "cjlapizar27@gmail.com",
      "role": 0,
      "picture": "https://lh3.googleusercontent.com/a/ACg8ocJTBmDPXtWZuvjemnibTp478B1x8H02-SFy8iQ5_QKn=s96-c",
      "createdAt": "2023-12-14T11:16:37.152Z",
      "updatedAt": "2023-12-14T11:16:37.152Z",
      "__v": 0
    }
  ]
}
```

## Delete the User

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to delete the User details from the database Secretary can only the regular user.

**Endpoint:**

localhost:5000/api/deletethisuser

**Method:** DELETE

**Parameter:**

id: User's id

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "message": "User has been deleted"
}

POST /api/deletethisuser 200 66.071 ms - 50
```

## Create Event

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to create an event and save to the user google calendar.

**Endpoint:**

localhost:5000/api/create\_event

**Method:** POST

**Parameters:**

summary: The event's title

description: The event's content

startdatetime: The date and time when the event begins.

enddatetime: The date and time when the event ends.

**Response Format:** JSON

**Response:**



```
> TERMINAL
JSON Response: {
  "success": true,
  "donecreate": {
    "useremail": "almikojaspercaballes@gmail.com",
    "title": "Testing",
    "description": "Testing123",
    "startDateTime": "2023-12-21T10:52:00.000Z",
    "endDateTime": "2023-12-22T10:52:00.000Z",
    "id": "658418f32537c2a7df915e5e",
    "createdAt": "2023-12-21T10:52:35.127Z",
    "updatedAt": "2023-12-21T10:52:35.127Z",
    "_v": 0
  }
}
POST /api/create_event 200 31.526 ms - 324
```

## Update User Role

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to update the role of the user by the admin or secretary.

**Endpoint:**

localhost:5000/api/updateuserrole

**Method:** POST

**Parameters:**

gmail: User's gmail

role: User's new role

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "user": {
    "_id": "656c09403f548562e7eb87ea",
    "name": "Shoppe Shoppe2",
    "email": "shoppeshop342@gmail.com",
    "role": 3,
    "picture": "https://lh3.googleusercontent.com/a/ACg8ocJ2xpTCsohaAiW_DHqe0ELB07810FbCQ0sQdzQf9dGn=s96-c",
    "createdAt": "2023-12-03T04:51:12.955Z",
    "updatedAt": "2023-12-21T11:01:12.173Z",
    "_v": 0
  }
}
POST /api/updateuserrole 200 65.169 ms - 314
```

## Send Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** The Admin uses this API endpoint to send a memo, and the information from the memo and saved in the database.

**Endpoint:**

localhost:5000/api/memo/create

**Method:** POST

**Parameters:**

title: The Memo's Title

sender: The sender's name

senderEmail: Email sender

recipients: recipients' list

content: the memo's content

**Response Format:** JSON

## Response:

```
JSON Response: {
  "success": true,
  "memo": {
    "sender": "Almiko Jasper Caballes",
    "senderEmail": "almikojaspercaballes@gmail.com",
    "title": "Memo title",
    "content": "1703157508964-307015950-file (46).pdf-1702716042657-734949639",
    "recipients": [
      {
        "useremail": "2101101716@student.buksu.edu.ph",
        "username": "ALMIKO JASPER CABALLES",
        "read": false,
        "acknowledge": false,
        "_id": "65841f04c60fc5ed61e4c4de"
      }
    ],
    "_id": "65841f04c60fc5ed61e4c4dd",
    "createdAt": "2023-12-21T11:18:28.975Z",
    "updatedAt": "2023-12-21T11:18:28.975Z",
    "__v": 0
  }
}
POST /api/memo/create 201 33.502 ms - 485
□
```

## Notification

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is used to alert the Secretary about memo events such as new memo or acknowledgement.

**Endpoint:**

localhost:5000/api/getMynotifications

**Method:** GET

**Parameters:**

gmail: User's gmail

name: Name of the user

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "ackNotifications": [
    {
      "_id": "657887954094e9a2966e85ef",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "senderName": "ALMIKO JASPER CABALLES",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:17:25.674Z",
      "updatedAt": "2023-12-12T16:17:25.674Z",
      "__v": 0
    },
    {
      "_id": "6578884d4094e9a2966e8933",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "fishphishing18@gmail.com",
      "senderName": "Land Bank",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:20:29.520Z",

```

## Reports

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is designed for retrieving valuable insights into the Digital Memo Distribution System's monthly activities, offering a comprehensive report on the quantity and details of both created and received memos

**Endpoint:**

localhost:5000/api/allreports

**Method:** POST

**Parameter:**

email: User's Gmail

month: Specific month

year: Specific year

**Response Format:** JSON

## Response:

```
JSON Response: {
  "success": true,
  "receivememo": [
    {
      "_id": "657e9439764ad0e97693c5b5",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "title": "asd",
      "content": "1702794297194-691364771-Normalized_Systems_in_Database.pdf",
      "recipients": [
        {
          "useremail": "almikojaspercaballes@gmail.com",
          "username": "Almiko Jasper Caballes",
          "read": false,
          "acknowledge": false,
          "_id": "657e9439764ad0e97693c5b6"
        }
      ],
      "createdAt": "2023-12-17T06:24:57.224Z",
      "updatedAt": "2023-12-17T06:24:57.224Z",
      "__v": 0,
      "type": "received"
    },
    {
      "_id": "657e944f764ad0e97693c69a",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "title": "asd",
      "content": "1702794319743-338149353-Normalized_Systems_in_Database.pdf",
      "recipients": [
        {
          "useremail": "almikojaspercaballes@gmail.com",
          "username": "Almiko Jasper Caballes",
          "read": true,
          "acknowledge": false,
          "_id": "657e944f764ad0e97693c69b"
        }
      ],
      "createdAt": "2023-12-17T06:25:19.765Z",
      "updatedAt": "2023-12-17T07:37:43.682Z",
      "__v": 0,
    }
  ]
}
```

## Read Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is utilized to update the status of a memo when a user reads it, transitioning the unread status to read then stored in the database.

### Endpoint:

localhost:5000/api/memo/read

**Method:** POST

### Parameters:

email: User's gmail

memoid: Memo Id

**Response Format:** JSON

```
JSON Response: {
  "success": true
}
POST /api/memo/read 200 23.615 ms - 16
```

# Acknowledge Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is used to alter the status of a memo when a user acknowledges it, changing it from not acknowledge to acknowledge and storing it in the database.

**Endpoint:**

localhost:5000/api/memo/read

**Method:** POST

**Parameters:**

email: User's gmail

memoid: Memo Id

**Response Format:** JSON

**Response:**

```
JSON Response: {
  "success": true,
  "message": "Memo acknowledged successfully"
}
POST /api/memo/acknowledge/658002864a92c5ed54637951 200 28.203 ms - 59
JSON Response: {
  "success": true,
  "message": "Memo acknowledged successfully"
}
POST /api/memo/acknowledge/658002864a92c5ed54637951 200 28.163 ms - 59
```



## Instructor API

The Instructor API is meticulously crafted to facilitate effective communication for Instructor-type accounts within the Digital Memo Distribution System. This suite of APIs encompasses specialized services, including the management of instructor accounts, execution of Instructor-related operations, reception of memos, and seamless handling of notifications. With a focus on optimizing the instructor's experience, this documentation serves as a crucial guide, offering clear insights into the functionalities tailored to meet the specific needs of Instructor-type accounts within the Digital Memo Distribution System. Here are the instructor functions that are required:

## Login

**Version: 1.0**

**Date:** December, 21, 2023

**Description:** The Login API facilitates secure user authentication via Google Sign-In, verifying provided Google ID tokens and returning a web token upon successful authentication.

**Endpoint:**

localhost:5000/api/login

**Method:** POST

### Parameters:

Authentication relies on a Google API Token.

**Response Format: JSON**

**Response:**

```
POST /api/login 200 383.122 ms - 198
```

```
{  
  "success": true,  
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjYlZWUyM3VhcnR3InR5bnQmZnZ3KjkyNmISyYIsIm1hdCI6MTcwNzE2MTcyOCwiZXhwIjozODAzMjA0FQ.9bi7ju7A9zsJAERdXg22Wx09yRCB9pD-9kdxo4fy-U"  
}
```

## Acknowledge Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is used to alter the status of a memo when a user acknowledges it, changing it from not acknowledge to acknowledge and storing it in the database.

**Endpoint:**

localhost:5000/api/memo/read

**Method:** POST

**Parameters:**

email: User's gmail

memoid: Memo Id

**Response Format:** JSON

**Response:**

```
POST /api/Iacknowledge/658002864a92c5ed54637951 200 3.287 ms - 27
GET /api/getme 304 3.369 ms - -
JSON Response: {
  "success": true,
  "message": "Memo acknowledged successfully"
}
POST /api/memo/acknowledge/658002864a92c5ed54637951 200 28.203 ms - 59
JSON Response: {
  "success": true,
  "message": "Memo acknowledged successfully"
}
POST /api/memo/acknowledge/658002864a92c5ed54637951 200 28.163 ms - 59
```

## Read Memo

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API is utilized to update the status of a memo when a user reads it, transitioning the unread status to read then stored in the database.

**Endpoint:**

localhost:5000/api/memo/read

**Method:** POST

**Parameters:**

email: User's gmail

memoid: Memo Id

**Response Format: JSON**

```
GET /api/getMemo 200 17.131 ms
JSON Response: {
  "success": true
}
POST /api/memo/read 200 23.615 ms - 16
```

## Notification

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is used to alert the Instructor about memo events such as new memo

**Endpoint:**

localhost:5000/api/getMynotifications

**Method:** GET

**Parameters:**

gmail: User's gmail

name: Name of the user

**Response Format:** JSON

### Response:

```
JSON Response: {
  "ackNotifications": [
    {
      "_id": "657887954094e9a2966e85ef",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "senderName": "ALMIKO JASPER CABALLES",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:17:25.674Z",
      "updatedAt": "2023-12-12T16:17:25.674Z",
      "__v": 0
    },
    {
      "_id": "6578884d4094e9a2966e8933",
      "recipientEmail": "almikojaspercaballes@gmail.com",
      "senderEmail": "fishphishing18@gmail.com",
      "senderName": "Land Bank",
      "type": "Acknowledge",
      "memoId": "6578878d4094e9a2966e85b2",
      "createdAt": "2023-12-12T16:20:29.520Z",

```

## Reports

**Version:** 1.0

**Description:** This API is designed for retrieving valuable insights into the Digital Memo Distribution System's monthly activities, offering a comprehensive report on the quantity and details of received memos

### Endpoint:

localhost:5000/api/allreports

**Method:** POST

### Parameter:

email: User's Gmail  
month: Specific month  
year: Specific year

**Response Format:** JSON

## Response:

```
JSON Response: {
  "success": true,
  "receivememo": [
    {
      "_id": "657e9439764ad0e97693c5b5",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "title": "asd",
      "content": "1702794297194-691364771-Normalized_Systems_in_Database.pdf",
      "recipients": [
        {
          "useremail": "almikojaspercaballes@gmail.com",
          "username": "Almiko Jasper Caballes",
          "read": false,
          "acknowledge": false,
          "_id": "657e9439764ad0e97693c5b6"
        }
      ],
      "createdAt": "2023-12-17T06:24:57.224Z",
      "updatedAt": "2023-12-17T06:24:57.224Z",
      "__v": 0,
      "type": "received"
    },
    {
      "_id": "657e944f764ad0e97693c69a",
      "senderEmail": "2101101716@student.buksu.edu.ph",
      "title": "asd",
      "content": "1702794319743-338149353-Normalized_Systems_in_Database.pdf",
      "recipients": [
        {
          "useremail": "almikojaspercaballes@gmail.com",
          "username": "Almiko Jasper Caballes",
          "read": true,
          "acknowledge": false,
          "_id": "657e944f764ad0e97693c69b"
        }
      ],
      "createdAt": "2023-12-17T06:25:19.765Z",
      "updatedAt": "2023-12-17T07:37:43.682Z",
      "__v": 0,
    }
  ]
}
```

## Create Event

**Version:** 1.0

**Date:** December, 21, 2023

**Description:** This API endpoint is use to create an event and save to the user google calendar.

**Endpoint:**

localhost:5000/api/create\_event

**Method:** POST

**Parameters:**

summary: The event's title

description: The event's content

startdatetime: The date and time when the event begins.

enddatetime: The date and time when the event ends.

**Response Format:** JSON

**Response:**

```
Problems  -  Debug Console  -  Output  -  TERMINAL
>
JSON Response: {
  "success": true,
  "donecreate": {
    "useremail": "almikojaspercaballes@gmail.com",
    "title": "Testing",
    "description": "Testing123",
    "startDateTime": "2023-12-21T10:52:00.000Z",
    "endDateTime": "2023-12-22T10:52:00.000Z",
    "id": "658418f32537c2a7df915e5e",
    "createdAt": "2023-12-21T10:52:35.127Z",
    "updatedAt": "2023-12-21T10:52:35.127Z",
    "__v": 0
  }
}
POST /api/create_event 200 31.526 ms - 324
```