

Chat API Routes

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GET

Status: Operative **Description:** Retrieves the chats and messages of the authenticated user. **Endpoint:** [/chats](#)
Method: [GET](#) **Requires authentication:** [True](#)

- **Response: Status 200 OK:**

```
{
  "success": true,
  "data": [
    {
      "_id": string | ObjectID,
      "pin": IPin,
      "participants": [
        {
          "user": IUser,
          "role": "volunteer" | "seeker",
          "lastRead": Date,
          "_id": string
        }
      ],
      "status": "active" | "archived",
      "deletedAt": null,
      "createdAt": Date,
      "updatedAt": Date,
      "messages": [
        {
          "_id": string | ObjectID,
          "chatId": string | ObjectID,
          "sender": string | ObjectID,
          "content": string,
          "status": "read" | "sent" | "failed",
          "deletedAt": Date,
          "createdAt": Date,
          "updatedAt": Date
        }
      ]
    }
  ]
}
```

Status 401 Unauthorized: JWT provided is malformed, expired or was not provided.

```
{
  "success": false,
  "error": "Authentication failed: ${e}"
}
```

Status 500 Internal Server Error: Internal server error.

```
{
  "success": false,
  "error": "Something went wrong retriving chats: ${e}"
}
```

POST

Status: Operative **Description:** Sends a message to a user. If the chat doesn't exist it creates the instance in db, else it just adds a new message to the Message collection. **Endpoint:** `/chats` **Method:** `POST` **Requires authentication:** `True`

- **Body:**

```
{
  "chatId": string | ObjectID, // only if chat already exists
  "pinId": string | ObjectID,
  "receiver": string | ObjectID,
  "message": string
}
```

- **Response: Status 200 OK:**

```
{
  "success": true,
  "data": {
    "_id": string | ObjectID,
    "pin": IPin,
    "participants": [
      {
        "user": IUser,
        "role": "volunteer" | "seeker",
        "lastRead": Date,
        "_id": string
      }
    ],
    "status": "active" | "archived",
  }
}
```

```
"deletedAt": null,
"createdAt": Date,
"updatedAt": Date,
"messages": [
  {
    "_id": string | ObjectID,
    "chatId": string | ObjectID,
    "sender": string | ObjectID,
    "content": string,
    "status": "read" | "sent" | "failed",
    "deletedAt": Date,
    "createdAt": Date,
    "updatedAt": Date
  }
]
```

400 Bad Request: Body not sent correctly

```
{
  "success": false,
  "error": "Information to update not provided"
}
```

Status 401 Unauthorized: JWT provided is malformed, expired or was not provided.

```
{
  "success": false,
  "error": "Authentication failed: ${e}"
}
```

Status 500 Internal Server Error: Internal server error.

```
{
  "success": false,
  "error": "Something went wrong creating the chat / message: ${e}"
}
```

Read Messages (Update)

Status: Operative **Description:** Reads the messages not read from a chat for a user. Called generally when a user enters a chat. **Endpoint:** `/chats` **Method:** PUT **Requires authentication:** True

- **Body:**

```
{
  "chatId": string | ObjectId
}
```

- **Response: 200 OK:**

```
{
  "success": true,
  "data": {
    "_id": string | ObjectID,
    "pin": IPin,
    "participants": [
      {
        "user": IUser,
        "role": "volunteer" | "seeker",
        "lastRead": Date,
        "_id": string
      }
    ],
    "status": "active" | "archived",
    "deletedAt": null,
    "createdAt": Date,
    "updatedAt": Date,
    "messages": [
      {
        "_id": string | ObjectID,
        "chatId": string | ObjectID,
        "sender": string | ObjectID,
        "content": string,
        "status": "read" | "sent" | "failed",
        "deletedAt": Date,
        "createdAt": Date,
        "updatedAt": Date
      }
    ]
  }
}
```

400 Bad Request: Body not sent correctly

```
{
  "success": false,
  "error": "Information to update not provided"
}
```

401 Unauthorized: JWT provided is malformed, expired or was not provided.

```
{
  "success": false,
  "error": "Authentication failed: ${e}"
}
```

404 Not Found: Pin not found

```
{
  "success": false,
  "error": "Chat to read not found"
}
```

500 Internal Server Error: Internal server error.

```
{
  "success": false,
  "error": "There was an error reading chats: ${e}"
}
```

Unread Messages

Status: Operative **Description:** Retrieves the number of unread messages in total and per chat for a user.

Endpoint: `/chats` **Method:** GET **Requires authentication:** True

- **Response: 200 OK:**

```
{
  "success": true,
  "data": {
    "unreadMessagesByChat": {
      "chatId": number,
      ...
    },
    "totalUnreadCount": number
  }
}
```

401 Unauthorized: JWT provided is malformed, expired or was not provided.

```
{
  "success": false,
  "error": "Authentication failed: ${e}"
}
```

500 Internal Server Error: Internal server error.

```
{  
  "success": false,  
  "error": "There was an error getting unread messages: ${e}"  
}
```