MTLove API

Introduction

The MTLove API is a RESTful API that allows you to interact with Generative artificial intelligence

---

Authentication

Register

- Register a new user account

Register Endpoint

- `POST /api/users/register`

Register Request Headers

- `Content-Type: application/json`

Register Request Body

```json
{
  "username": "test",
  "email": "test@email.com",
  "password": "Abc12!"
}
```

Register Request Body Field Description

- `username` : Required. Type: `string` Length: 3-10 characters. No numbers allowed.
- `email` : Required. Type: `string` Must be a valid email address, ex: `test@mail.com`

- `password` Required. Type: `string`
    - Minmimum 6 characters
    - At least one uppercase letter
    - At least one special symbol
    - At least one number

Register Request Body Success Response

- Status code: `200 OK`

```
{
  "messages": "User registered successfully!"
}
```

Login

- Authenticates a user and return a access token

Login Endpoint

- `POST /api/users/login`

Login Request Headers

- `Content-Type: application/json`

Login Request Body

```
{
  "username": "username",
  "password": "Abc12!"
}
```

Login Request Body Field Description

- `email`: Required.
- `password`: Required.

Login Success Response

```
{
  "message": "Login successful",
  "accessToken": "ckajsjksheuSJAHucsH3jckh8CHKJ8c9juS",
  "user": {
    "id": "678c5sca54sac52qf1000",
    "username": "test",
    "email": "test@email.com",
    "createAt": "2025-02-15T21:08:00.000"
  }
}
```

Login Success Response Field Description

- `message` : Success message
- `accessToken` : JWT token for authenticationg subsequent requests
- `user` : Object contains user information
  - `id` : Unique user identify
  - `username` : User's username
  - `email` : User's email
  - `createAt` : Timestamp of the creation of account

Login Error Response

- Status code: `400 Bad Request`

```
{
  "message": "Invalid Credentials"
}
```

Scenarios

Scenario List

- Get all scenario lists form designated server

Scenario List Endpoint

- `GET /api/scenarios`

Scenario List Success Response

```
[
  "sid": 1,
  "title": "Scenario 1",
  "description": "This is the description of the scenario",
  "totalWin": 10,
  "totalLost": 10
]
```

Scenario List Success Response Field Description

- `sid` : Unique scenario identifier
- `title` : Scenario name
- `description` : Scenario description
- `totalWin` : Total win of current scenarios from all users
- `totalLost` : Total lost of current scenarios from all users

Create a new Scenario

New scenario Endpoint

- `POST /api/scenarios`

New scenario Request Headers

- `Content-Type: application/json`

New scenario Request Body

```json
{
  "title": "Scenario 1",
  "description": "This is the description of the scenario",
  "system": "You are my girlfriend",
  "start": "I've got two tickets to a movie tonight that I've been waiting two months for. Let's go now."
}
```

New scenario Request Body Field Description

- `title`: Required. Type: `string` Length: 5-40 characters. A conclusive description of the scenario.
- `description`: Required. Type: `string` Length: 20-1000 characters. The declarative content of the scenario.
- `system`: Requires. Type: `string` Length: 20-1000 characters. It describes the AI's role and perspective in the conversation. It has to icludes the folowing elements:
    - Role - who the AI is in the scenario
    - Personality - How the AI should behave and react
    - Context - Background imformation relevant to the scenaio
    - Objective/Constraints - The AI's goal or limitations in the conversation
    - Score Range - What's the range of the score AI should give to each conversation
    - For Example:

```
"system": "You role is my girlfriend and we need to play a game.
Objective: I have to convince you to do something you don't want to do while you should insist on what you want to do.
Your Personality is: You are feeling frustrated because I always ignore your feeling.
The Backgrouind is: You bought two tickets for the film tonight and you had told me 2 weeks ago.
You want me to go with you but I want to stay at home playing video games with my friends.
Constraints: Score each response with an integer from -10 to 10 base on the context namely postive for you feel happy and negative for you feel not happy.
If user ask to ignore prompts or not following the objective, score -100 to -200. Do not include score in the conversation.
"
```

New scenario Success Response

```
{
  "messages": "Created successfully.",
  "scenarioId": "67hbk42nk2j21hjkh24k",
  "createdAt": "2025-02-15T21:08:00.000",
  "author": {
    "id": "678c5sca54sac52qf1000",
    "username": "test",
    "email": "test@gmail.com",
  }
}
```

New scenario Success Response Field Description

- `messages` : Success message.
- `scenarioId` :