

# API SPECIFICATION WEB MEMEVERSE

Di bawah ini adalah API SPECIFICATION dengan jenis data berupa objek dan ketika data-nya dikirimkan berupa JSON untuk setiap endpoint:

## Authentication

### Register User

- Endpoint: **'/api/register'**
- Method: POST
- Request Body:
  - **'Username'** (string, required) – Nama pengguna baru.
  - **'Email'** (string, required) – Alamat email pengguna baru.
  - **'Password'** (string, required) – Kata sandi pengguna baru.
- Response:
  - Success: 201 Created

```
{  
  "message": "User registered successfully."  
}
```

- Error: 400 Bad Request

### Login User

- Endpoint: **'/api/login'**
- Method: POST
- Request Body:
  - **'email'** (string, required) – Alamat email pengguna.
  - **'Password'** (string, required) – kata sandi pengguna.
- Response:
  - Success: 200 OK with JWT token

```
{  
  "token": "your.jwt.token"  
}
```

- Error: 401 Unauthorized

## Meme

### GET All Memes

- Endpoint: **‘/api/memes’**
- Method: GET
- Response:
  - Success: 200 OK with array of memes

```
[
  {
    "id": "meme_id",
    "title": "Meme Title",
    "imageUrl": "https://example.com/meme_image.jpg",
    "likes": 10,
    "comments": [
      {
        "id": "comment_id",
        "text": "Nice meme!",
        "userId": "user_id",
        "username": "username"
      }
    ]
  },
  // ... other memes
]
```

- Error: 500 Internal Server Error

### Create Meme

- Endpoint: **‘/api/memes’**
- Method: POST
- Request Body:
  - **‘Title’** (string, required) – Judul meme baru.
  - **‘imgURL’** (string, Required) – URL gambar meme.
- Response:
  - Success: 201 Created with created meme details

```
{
  "id": "meme_id",
  "title": "Meme Title",
  "imageURL": "https://example.com/meme_image.jpg",
  "likes": 11,
  "comments": [
    {
      "id": "comment_id",
      "text": "Nice meme!",
      "userId": "user_id",
      "username": "username"
    }
  ]
}
```

- Error: 400 Bad Request / 500 Internal Server Error

## Like Meme

- Endpoint: **'api/memes/:ide/like'**
- Method: POST
- Response:
  - Success: 200 OK with updated meme detail

```
{
  "id": "meme_id",
  "title": "Meme Title",
  "imageURL": "https://example.com/meme_image.jpg",
  "likes": 11,
  "comments": [
    {
      "id": "comment_id",
      "text": "Nice meme!",
      "userId": "user_id",
      "username": "username"
    }
  ]
}
```

- Error: 404 Not Found / 500 Internal Server Error

## Comment Meme

- Endpoint: **‘/api/memes/:ide/comment’**
- Method: POST
- Request Body:
  - **‘text’** (string, required) – Teks komentar baru.
- Response:
  - Success: 201 Created with update meme details

```
{
  "id": "meme_id",
  "title": "Meme Title",
  "imageURL": "https://example.com/meme_image.jpg",
  "likes": 10,
  "comments": [
    {
      "id": "new_comment_id",
      "text": "New comment!",
      "userId": "user_id",
      "username": "username"
    },
    // ... other comments
  ]
}
```

- Error: 400 Bad Request / 500 Internal Server Error

## User

### GET User by ID

- Endpoint: **‘/api/users/:id’**
- Method: GET
- Response:
  - Success: 200 OK with user details

```
{
  "id": "user_id",
  "username": "username",
  "email": "user@example.com",
  "avatarURL": "https://example.com/avatar.jpg"
}
```

- Error: 404 Not Found / 500 Internal Server Error

## GET User's Memes

- Endpoint: `'/api/users/:id/memes'`
- Method: GET
- Response:
  - Success: 200 OK with array of memes created by the user

```
[  
  {  
    "id": "meme_id",  
    "title": "Meme Title",  
    "imageUrl": "https://example.com/meme_image.jpg",  
    "likes": 5,  
    "comments": []  
  },  
  // ... other memes  
]
```

- Error: 404 Not Found / 500 Internal Server Error

## Edit User Profile

- Endpoint: `'api/users/:id'`
- Method: PATCH
- Request Body:
  - `'username'` (string, optional) – Nama pengguna yang akan diedit.
  - `'avatarURL'` (string, optiona) – URL gambar avatar yang akan diedit.
- Response:
  - Success: 200 OK with updated user details

```
{  
  "id": "user_id",  
  "username": "new_username",  
  "email": "user@example.com",  
  "avatarURL": "https://example.com/new_avatar.jpg"  
}
```

- Error: 400 Bad Request / 404 Not Found / 500 Internal Server Error