Review System Backend APIs

Documentation

The Review System Backend APIs offer a set of endpoints to facilitate user authentication, registration, and interaction with the review and rating functionalities.

To get started, users must authenticate through the login endpoint, after which they will receive an access token. This token is required for authorization when accessing other functionalities.

BASE_URL

The base URL for the Review System Backend APIs is:

https://api.aireviewcreator.com/api/

All endpoints provided in this documentation should be appended to this BASE URL.

Authentication

1. User Login

Example POST Request

Endpoint: `POST https://api.aireviewcreator.com/api/login`

```json
{
    "username":"admin",
    "password":"admin"
}
```

On success,the server returns an access token. This token is required for authorization in subsequent requests.Put this token in Authorization header.

```json
{
    "refresh":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbl90eXBlIjoicmVmcmVzaCIsImV4cCI6MTcwN
```

```
jE4MzY3NywiaWF0IjoxNzAzNTkxNjc3LCJqdGkiOiIxNDNjMzY2MWI3ZDY0NDJiOTI5NzNkMmI5NTVmYzJj
ZiIsInVzZXJfaWQiOjF9.21nwtO355F8Q7VeH-URpLQqZdZtnDjazYHAcJNpcP10",

    "access":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbl90eXBlIjoiYWNjZXNzIiwiZXhwIjoxNzA0O
Dg3Njc3LCJpYXQiOjE3MDM1OTE2NzcsImp0aSI6Ijg0NzMyZDlmMGE5MzRkOGJiZTI4NDM1MmRmYzJkZjE0
IiwidXNlcl9pZCI6MX0.UxJsU3_ymlKTur0uXxC01D5OuU6--m6Uyger-Qoc7wo"
}
```

2. User Registration

Example POST Request

Allows users to register by providing necessary registration information (e.g., username, first name, last name, email, password).

Endpoint: `POST https://api.aireviewcreator.com/api/register`

```
{

    "username":"Vassu",

    "password":"Vasu",

    "first_name":"Vasu",

    "last_name":"Choudhary",

    "email":"vassuchoudhary123@gmail.com"

}
```

On success,the server provides a confirmation message along with user information like the following JSON response.

```
{
    "status": 201,
    "user_info": {
        "username": "Vassu",
        "first_name": "Vasu",
        "last_name": "Choudhary",
        "email": "vassuchoudhary123@gmail.com"
    }
```

```
}
```

Authorised Endpoints:

For the following endpoints, users must include the access token in the Authorization header of the request.

Error :

In case, authentication access token is not provided then, the server will throw an error Response like below:

```
{
    "detail": "Authentication credentials were not provided."
}
```

In case of other error, the response would be in below format:

```
{
    "error": "Rate limit reached for gpt-3.5-turbo in organization
org-tsTuIpuNTy3KXtUQTIy3tveY on requests per min (RPM): Limit 3, Used 3, Requested
1. Please try again in 20s. Visit https://platform.openai.com/account/rate-limits
to learn more. You can increase your rate limit by adding a payment method to your
account at https://platform.openai.com/account/billing."
```

3. Submit Rating

Example POST Request

Allows authenticated users to submit a rating for a particular product or service and get a list of suggested words.

Endpoint: `POST https://api.aireviewcreator.com/api/rating`
Authorization: Bearer <your_access_token>

```
{
```

```
"star_rating" :"3",
"product_name": "Boat Earbuds"
}
```

On success with the integration of chatgpt, the server provides the
best describing words in a list like the following JSON response.

```
{

    "suggestions": [

        "Comfortable",

        "Stylish",

        "Affordable",

        "Reliable",

        "Decent sound quality"

    ]

}
```

4. Generate Review

Example POST Request

This will generate an automatic detailed review on the basis
of star rating and the suggested words from chatgpt.

Endpoint: `POST https://api.aireviewcreator.com/api/review`
Authorization: Bearer <your_access_token>

```
{
"star_rating" :"3",
"user_word" : "Neutral, average, satisfactory, acceptable, standard, decent,
usual",
"product_name": "Boat Earbuds"
}
```

On success, the server provides a detailed automatic review with the integration of chatgpt like the following JSON response.

```json
{
    "review": "The Boat Earbuds are average and offer a satisfactory experience. They are acceptable for everyday use and provide a standard sound quality. The design is decent and comfortable to wear. The earbuds perform as expected and deliver the usual features that you would find in earbuds in this price range. They are a decent option for anyone looking for a basic pair of earbuds without breaking the bank. Overall, for the price, the Boat Earbuds deliver a standard performance that will meet the needs of most users."
}
```

4. User Logout

Allows the users to log out by invalidating their access token.On success, the server provides a confirmation message along with HTTP status code.

Endpoint: `POST https://api.aireviewcreator.com/api/logout`
Authorization: Bearer <your_access_token>

```json
{
    "status": 200,
    "message": "Logout successfully"
}
```

API to get the reviews:

Example GET Request

Endpoint: `POST https://api.aireviewcreator.com/api/reviews`

This api will retrieve the reviews from the database that the user has added along with the review id which is unique.

```json
{
    "status": 200,
    "message": "Product reviews retrieved successfully!",
    "data": [
```

```json
    {
        "id": 2,
        "star_rating": 3,
        "name": "test",
        "email": "test@gmail.com",
        "product_name": "Boat Earbuds",
        "user_review": "The Boat Earbuds are an average pair of headphones.
They provide satisfactory sound quality and are acceptable for everyday use. The
design and build of the earbuds are standard and decent. They are comfortable to
wear and fit well in the ears. The sound isolation is usual, blocking out some
external noise. The earbuds come with a standard audio cable and a decent carrying
case for easy storage.",
        "created_at": "2024-01-17T05:43:47.648274Z"
    },
    {
        "id": 5,
        "star_rating": 5,
        "name": "test",
        "email": "test@gmail.com",
        "product_name": "Boat Earbuds",
        "user_review": "I recently got the Boat Earbuds and I must say, they
are pretty average. The sound quality is satisfactory, not too exceptional but
acceptable for everyday use. The design is standard, nothing too fancy but decent
enough. The earbuds fit well and are comfortable to wear. They also come with a
good battery life, which is usual for earbuds in this price range. Overall, if
you're looking for a simple and reliable pair of earbuds, the Boat Earbuds are a
decent choice. I would give them 5 stars for being an affordable and reliable
option.",
        "created_at": "2024-01-17T10:49:23.853520Z"
    }
    ]
}
```

In case if there are no reviews (zero reviews) in the database, then Api will give this JSON response.

```json
{
    "status": 404,
    "message": "No reviews found for the specified product."
}
```

API to write a review:

Example POST Request

Endpoint: `POST https://api.aireviewcreator.com/api/reviews`

When a user makes a post request to write the review using some input values then the particular review will be saved into the database.

```
{
"star_rating" :"5",
"email" : "test@gmail.com",
"name": "test",
"product_name":"Boat Earbuds",
"user_review":"I recently got the Boat Earbuds and I must say, they are pretty
average. The sound quality is satisfactory, not too exceptional but acceptable for
everyday use. The design is standard, nothing too fancy but decent enough. The
earbuds fit well and are comfortable to wear. They also come with a good battery
life, which is usual for earbuds in this price range. Overall, if you're looking
for a simple and reliable pair of earbuds, the Boat Earbuds are a decent choice. I
would give them 5 stars for being an affordable and reliable option."
}
```

On success, the server provides the following JSON response format. And each user will now have a unique review id saved in the database.

```
{
{
    "status": 201,
    "message": "Product review added!",
    "data": {
        "id": 5,
        "star_rating": 5,
        "name": "test",
        "email": "test@gmail.com",
        "product_name": "Boat Earbuds",
```

```json
      "user_review": "I recently got the Boat Earbuds and I must say, they are
pretty average. The sound quality is satisfactory, not too exceptional but
acceptable for everyday use. The design is standard. The earbuds fit well and are
comfortable to wear. If you're looking for a simple and reliable pair of earbuds,
the Boat Earbuds are a decent choice. I would give them 5 stars for being an
affordable and reliable option.",
      "created_at": "2024-01-17T10:49:23.853520Z"
    }
}
```