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`

```
{
    "username":"Vasu",
    "password":"Vasu123"
}
```

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

```
{
    "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`

```json
{

    "username":"Vasu",

    "password":"Vasu",

    "first_name":"Vasu",

    "last_name":"Choudhary",

    "email":"vasuchoudhary123@gmail.com"

}
```

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

```json
{
    "status": 201,
    "user_info": {
        "username": "Vasu",
        "first_name": "Vasu",
        "last_name": "Choudhary",
        "email": "vasuchoudhary123@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."
}
```

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.

```
{
    "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:

NOTE POINT: The endpoint is the same for both GET reviews and POST reviews requests.

Example GET Request

Endpoint: `POSThttps://api.aireviewcreator.com/api/reviews`
Authorization: Bearer <your_access_token>

This api will retrieve the reviews from the database along with the review id which is unique.
The product_id is required while making GET request.

The no. of reviews available/stored in the database on a particular product_id will be retrieved, example the following JSON Response.

```json
{
```

```json
    "status": 200,
    "message": "Product reviews retrieved successfully!",
    "data": [
        {
            "id": 14,
            "star_rating": 5,
            "name": "Vasu",
            "email": "vasu@gmail.com",
            "product_id": 4,
            "review": "The Boat Earbuds and I must say, they are pretty average.
The sound quality is satisfactory for everyday use. The design is standard, nothing
too fancy but decent enough. They also come with a good battery life.",
            "image": "/media/product_images/ve-logo-with-slogan.png",
            "created_at": "2024-01-24T04:51:01.672751Z"
        },
        {
            "id": 15,
            "star_rating": 5,
            "name": "Vasu",
            "email": "vasu@gmail.com",
            "product_id": 4,
            "review": "The Boat Earbuds and I must say, they are pretty average.
The sound quality is satisfactory for everyday use. The design is standard, nothing
too fancy but decent enough. They also come with a good battery life.",
            "image": "/media/product_images/ve-logo-with-slogan_s1R89IT.png",
            "created_at": "2024-01-24T05:01:50.488622Z"
        },
        {
            "id": 16,
            "star_rating": 5,
            "name": "Vasu",
            "email": "vasu123@gmail.com",
            "product_id": 4,
            "review": "The Boat Earbuds and I must say, they are pretty average.
The sound quality is satisfactory for everyday use. The design is standard, nothing
too fancy but decent enough. They also come with a good battery life.",
            "image": "/media/uploaded_images/ve-logo-with-slogan_LaKMuAT.png",
            "created_at": "2024-01-24T07:03:39.027927Z"
        }
    ]
}
```

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_id."
}
```

API to write a review:

Example POST Request

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

The user will enter some input values like star_rating, generated review, his email and name, upload a product image, product_id to make the POST request. Then his review (on a particular product_id) will be saved into the database.

```json
{
"star_rating" :"3",
"email" : "abc@gmail.com",
"name": "abc",
"product_id":"3",
"image":"",
"review":"I recently got the Boat Earbuds and I must say, they are pretty average. The sound quality is satisfactory for everyday use. The design is standard, nothing too fancy but decent enough. 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 review posted, will now have a unique review_id saved in the database.

```
{
    "status": 201,
    "message": "Product review added!",
    "data": {
        "id": 19,
        "star_rating": 5,
        "name": "Vasu",
        "email": "vasu@gmail.com",
        "product_id": 4,
        "review": "I recently got the Boat Earbuds and I must say, they are pretty average. The sound quality is satisfactory for everyday use. The design is standard, nothing too fancy but decent enough. 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.",
        "image": null,
        "created_at": "2024-01-24T07:03:39.027927Z"
    }
}
```