Library System API Documentation

1. Login API

Authenticate a user and obtain a JWT token.

URL: POST /api/token/

Request Body:

```
{
    "username": "test_user",
    "password": "test_password"
}
```

Response:

```
{
    "access": "eyJhbGciOiJIUzI1...",
    "refresh": "eyJhbGciOiJIUzI1..."
}
```

2. Get List of Books

Retrieve all books available in the library.

URL: GET /api/books/

Headers:

Authorization: Bearer <your_jwt_token>

Response:

```
[
```

```json
  {
    "id": 1,
    "title": "Book 1",
    "author": "Author 1",
    "available": true
  },
  ...
]
```

3. Submit Borrow Request

Submit a request to borrow a book for specific dates.

URL: POST /api/borrow/

Headers:

Authorization: Bearer <your_jwt_token>

Request Body:

```json
{
  "book_id": 1,
  "start_date": "2024-12-10",
  "end_date": "2024-12-20"
}
```

Response:

```json
{
  "message": "Borrow request submitted successfully."
}
```

4. Approve/Deny Borrow Request

Approve or deny a borrow request as a librarian.

URL: POST /api/requests/{id}/{action}

Headers:

Authorization: Bearer <your_jwt_token>

Action can be 'approve' or 'deny'.

Response:

```
{

    "message": "Request has been approved/denied."

}
```

5. View Personal Borrow History

Retrieve the borrow history of the logged-in user.

URL: GET /api/history/

Headers:

Authorization: Bearer <your_jwt_token>

Response:

```
[

  {

    "book": "Book 1",

    "start_date": "2024-12-01",

    "end_date": "2024-12-10",

    "status": "approved"
```

```
    },

    ...

]
```