

Back-End API Documentation

1. Home Route (/)

Method: GET

URL: /

Headers:

None

Example Request:

GET /

2. Register Route (/register)

Method: POST

URL: /register

Headers:

None

Example Request:

POST /register

```
{  
  "username": "newuser",  
  "password": "password123",  
  "permission": false  
}
```

3. Login Route (/login)

Method: POST

URL: /login

Headers:

None

Example Request:

POST /login

```
{  
  "username": "existinguser",  
  "password": "password123"  
}
```

4. Logout Route (`/logout`)

Method: POST

URL: /logout

Headers:

Authorization: <token>

Example Request:

POST /logout

5. Songs Route (`/songs`)

Method: GET, POST

URL: /songs

Headers:

Authorization: <token> (for POST)

Example Request:

GET /songs?username=user123

POST /songs

```
{
```

```
"track_name": "Song Name",  
"performer": "Artist Name",  
"album": "Album Name",  
"rating": 5  
}
```

6. Get Unrated Songs Route (`/songs/unrated`)

Method: GET

URL: /songs/unrated

Headers:

None

Example Request:

GET /songs/unrated?username=user123

7. Upload Songs Route (`/upload_songs`)

Method: POST

URL: /upload_songs

Headers:

Authorization: <token>

Example Request:

POST /upload_songs

```
{  
  "file": "filedata"  
}
```

8. Update Song Rating Route (`/songs/<int:id>/update`)

Method: POST

URL: /songs/{id}/update

Headers:

Authorization: <token>

Example Request:

POST /songs/123/update

```
{  
  "new_rating": 4  
}
```

9. Delete Song Route (/songs/<int:id>/delete)

Method: POST

URL: /songs/{id}/delete

Headers:

Authorization: <token>

Example Request:

POST /songs/123/delete

10. Delete Songs by Artist Route (/songs/artist/<string:artist>/delete)

Method: POST

URL: /songs/artist/{artist}/delete

Headers:

Authorization: <token>

Example Request:

POST /songs/artist/ArtistName/delete

11. Delete Songs by Album Route (`/songs/album/<string:album>/delete`)

Method: POST

URL: /songs/album/{album}/delete

Headers:

Authorization: <token>

Example Request:

POST /songs/album/AlbumName/delete

12. Export Songs Route (`/export_songs`)

Method: GET

URL: /export_songs

Headers:

Authorization: <token>

Example Request:

GET /export_songs?performer=Taylor Swift&rating=5