

JWT Token Refresh & Expiry - Sample Output

1. Login Request

Request:

```
POST http://localhost:8080/api/auth/login
Content-Type: application/json
```

```
{
  "username": "user",
  "password": "password"
}
```

Response:

```
{
  "accessToken": "eyJhbGciOiJIUzI1NiJ9...ABC123xyz...",
  "refreshToken": "d3dcaef1-40a7-4b2a-8dcd-45e7e9f13cd7",
  "tokenType": "Bearer"
}
```

2. Access Protected API (Profile)

Request:

```
GET http://localhost:8080/api/auth/profile
Authorization: Bearer eyJhbGciOiJIUzI1NiJ9...
```

Response:

```
{
  "username": "user",
  "fetchAt": "2025-09-26T12:45:32.120Z"
}
```

3. Expired Access Token

Request with expired token:

```
GET http://localhost:8080/api/auth/profile
Authorization: Bearer
```

Response:

```
{
  "error": "Invalid token"
}
```

4. Refresh Token

Request:

```
POST http://localhost:8080/api/auth/refresh
Content-Type: application/json
```

```
{
  "refreshToken": "d3dcaef1-40a7-4b2a-8dcd-45e7e9f13cd7"
}
```

Response:

```
{
  "accessToken": "eyJhbGciOiJIUzI1NiJ9.newTokenHere...",
  "refreshToken": "f8eac5cb-3170-41b1-9e7a-41f234ac77f1",
  "tokenType": "Bearer"
}
```

5. Frontend UI Output

On successful login and token handling, the React UI displays:

```
Message: {"username":"user","fetchAt":"2025-09-26T12:45:32.120Z"}  
Access Token: eyJhbGciOiJIUzI1NiJ9...  
Refresh Token: d3dcaef1-40a7-4b2a-8dcd-45e7e9f13cd7
```