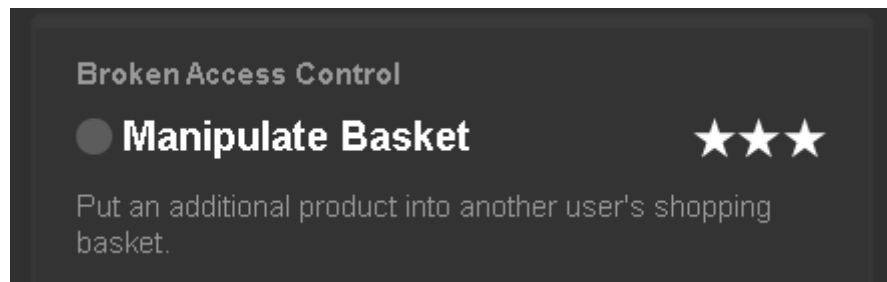
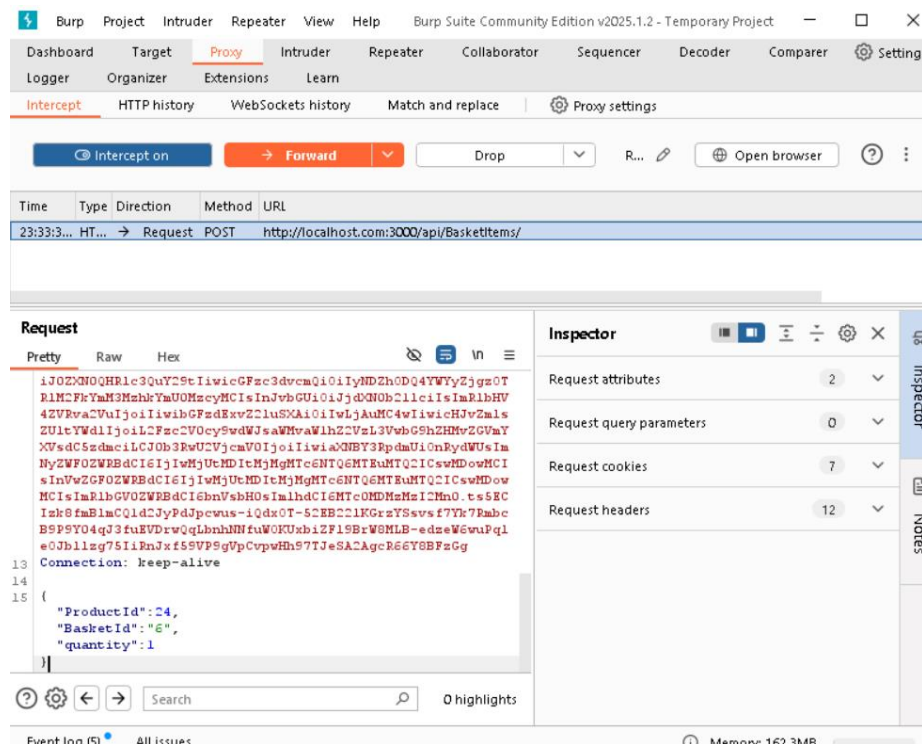


Broken Access Control in OWASP Juice Shop



Here we need to manipulate the web server by adding an item to another user's cart

Now adding an item to our cart and intercepting the request using burp suite



As we can see the basket id is unique and this bucket id is for our user account,

try changing the bucket id

send the request to repeater and change the bucket id and forward the request,

The screenshot shows the Burp Suite Repeater interface. At the top, there are tabs for Dashboard, Target, Proxy, Intruder, Repeater (selected), Collaborator, and Sequence. Below these are sub-tabs for Logger, Organizer, Extensions, and Learn. A list of request IDs (23, 24, 25, 26, 27) is shown, with 27 selected. Below the list are buttons for Send, a settings gear, Cancel, and navigation arrows. A 'Target:' field is on the right. The main area is divided into 'Request' and 'Response' tabs, with 'Response' selected. Under 'Response', there are sub-tabs for Pretty, Raw, Hex, and Render, with 'Pretty' selected. The response content is displayed as follows:

```
1 HTTP/1.1 401 Unauthorized
2 Access-Control-Allow-Origin: *
3 X-Content-Type-Options: nosniff
4 X-Frame-Options: SAMEORIGIN
5 Feature-Policy: payment 'self'
6 X-Recruiting: /#/jobs
7 Content-Type: text/html; charset=utf-8
8 Content-Length: 30
9 ETag: W/"1e-Civ7sdKmdsocUgNskrj+82erp3UM"
10 Vary: Accept-Encoding
11 Date: Sun, 23 Feb 2025 18:06:52 GMT
12 Connection: keep-alive
13 Keep-Alive: timeout=5
14
15 {'error' : 'Invalid BasketId'}
```

we got an unauthorized response from the server

We got success response from the server
which means the item is successfully added to another user's cart.



You successfully solved a challenge: Manipulate Basket (Put an additional product into another user's shopping basket.)

by exploiting the broken access control vulnerability.

Potential Damage:

An attacker can add any item to any person's cart by using their bucketed or cartID by manipulating the server

To Prevent:

Proper Authorization should be done by checking matching the user's account and their cart/bucket ID which is often unique and other bucketID should not be accessed maintaining confidentiality.