SQL injection vulnerability in "delete-calorie.php" in Sourcecodester Daily Calories Monitoring Tool v1.0 allows ATTACKER to execute arbitrary SQL commands via the "calorie" parameter

Affected Project: Sourcecodester Daily Calories Monitoring Tool 1.0

Official Website: https://www.sourcecodester.com/php/17445/daily-calories-monitoring-tool-using-php-and-mysql-source-code.html

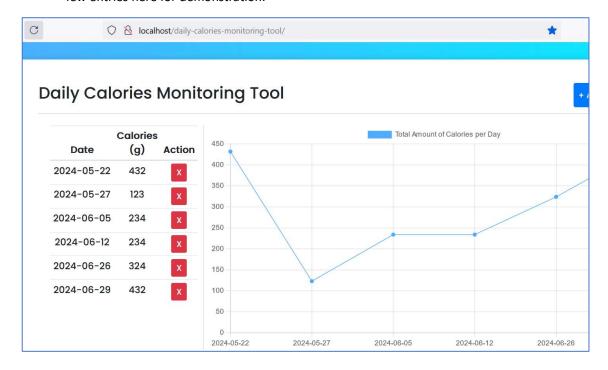
Version: 1.0

Related Code file: /endpoint/delete-calorie.php

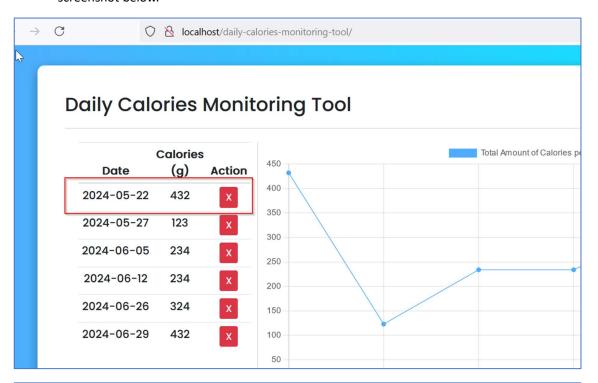
Injection parameter: GET request parameter "calorie" is vulnerable.

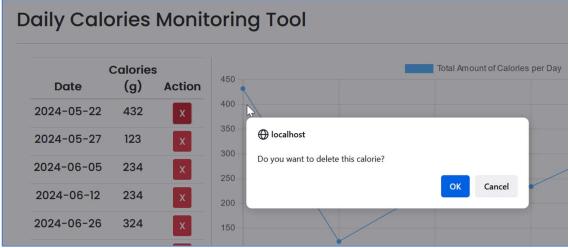
Steps:

1. Access the application URL http://localhost/daily-calories-monitoring-tool/. I have created few entries here for demonstration.



2. Try to delete any one of the available entries. Click on the Red Cross as shown in the screenshot below.





3. Intercept the traffic using Burp Suite proxy editor. Here the GET request parameter "calorie" is vulnerable to SQL injection. This is demonstrated in next steps.



4. We will run SQLMAP against the GET Request as shown in the following screenshot.

5. SQLMAP identifies GET request parameter "calorie" as vulnerable. Also, SQLMAP successfully lists out the database and current name.

Solution/Good Reads:

User parameterized SQL queries instead of the dynamic SQL queries.

https://cheatsheetseries.owasp.org/cheatsheets/SQL Injection Prevention Cheat Sheet.html
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