https://www.example.com/products.html?
category=<script>alert('hello!');</script>

Website with vulnerability

(2) The website is injected with malicious
code to steals visitor session cookies.

(3) The script is reactivated
on each visit

(4) The website visitor's session cookie is sent
to the malicious actor.

XSS Weakness Identified by OWASP

Malicious Actor

Website Visitor

(1) A malicious actor discovers a vulnerability
in the website and injects a malicious script
into it.