Gass Site Scripting (22X)

Gross Site Scripting (xss) is an attack in which an attacker enjects malicious executable scripts into the code of a busked application on mubsite.

The actual attack occurs whom the within wints the hub application that executes the malicious Code.

-> A web page on web application is vulnurable to XSS if it were unequifized used input in the output that it generates.

> This user input must thon be passed by the Widten's browser

-> XSS attacks are possible in VBScoupt, Activex, flash, and even CSS. However they are Common in JavaSuspt, because Javasoupt is fundamental to most browsing experiences.

You Cross-eite Scripting works

There are 2 stages to a typical XSS attacks.

1) To sun malicious Javasoupt code in a victim's brown, an attacker must first find a way to inject malicious lode into a med page that the westin wisits.

a) After that, the nichtim must wisit the web page with the malicious code. If the attack is directed at particular victims, the attacker can use social engineering and/or phishing to Send a malicious URL to the wictim.

SQL Injection

> SQL injection is a code injection technique that might destroy the database.

SQL injection is the placement of malicious code in Sal Statements, wa web page input. (web sewrity Vulnerability that allow attacker to interface with the queries.

Sal in Web pages

> SEL injection usually occurs when you ask auser for input, like their username/userid, and instead of a name/id, the user gives us an SQL 3totement that we will unknowingly sum on over doctabases.

txtUserId = Example > getRequestString ("UserID"); txtSQL = "SELECT * FROM Usous WHERE UserID = " + txt UserID;

abone example ouentre a Select stakment by adding a Voulable (ExtUsurID) to a School String. The variable is fetched from near input (getsequeststring)

- # Some Common S&L Injection example include:
- -> Returewing hidden data, where you can modify anser query to return additional results.
- To interface with the applications logic.
- different database tables.
- -> Examining the databases, where we can extract information about version and Structure of the dadabase.
- Contered are not surfumed in the applications suspenses.

Now to detect SQL Injection Vulnerabilities

-> SOL injection vulnerabilities can be found using web vulnerability Scanner and manually by using a septemoetic set of tests against energy entry point in the application