

Name: Satakshi Singhal

University Rollno: 1022758

Subject: Information security & cyber laws

Course: B.Sc (IT) 6th sem

Ques Study the different types of vulnerability for hacking a website or web application.

Most common website security vulnerabilities

1. SQL injections - SQL injections is a type of web application security vulnerability in which an attacker attempts to use application code to access or corrupt database content. If successful, this allows the attacker to create, read, update, alter or delete data stored in the back end database.
2. Cross Site Scripting (XSS) - Cross Site scripting (XSS) targets an application's users by injecting code, usually a client side script such as Javascript into a web application's output. The concept of XSS is to manipulate client side scripts of a web application to execute in the manner desired by the attacker.

Satakshi

3. Broken Authentication & Session Management
Broken authentication & session management encompass several security issues, all of them having to do with maintaining the identity of a user. If authentication credentials and session identifiers are not protected at all times, an attacker can hijack an active session and assume the identity of a user.
4. Insecure Direct Object References -
Insecure direct object references is when a web application exposes a reference to an internal implementation object. Internal implementation objects include fields, database records, directories and database keys.
5. Several misconfiguration - security misconfiguration encompasses several types of vulnerabilities all centered on a lack of maintenance or a lack of attention to the web application configuration must be defined and deployed for the application, frameworks, application server.

Satish.

6. Cross-site Request Forgery (CSRF) -
CSRF is a malicious attack where a user is tricked into performing an action he or she didn't intend to do. A third party website will send a request to a web application that a user is already authenticated against (eg their bank).

Satish