HACKING PROJECT

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1) Types Of Webattacks

Here is a list of various types of cyber attacks:

- 1. SQL Injection (SQLi): Attackers inject malicious SQL code into input fields to manipulate databases and gain unauthorized access to data.
- 2. Cross-Site Scripting (XSS): Attackers inject malicious scripts into web pages viewed by other users, which can steal information or perform actions on behalf of the victim.
- 3. Cross-Site Request Forgery (CSRF): Attackers trick users into unknowingly submitting malicious requests, often by embedding them in a link or image.
- 4. Denial of Service (DoS) and Distributed Denial of Service (DDoS): Attackers overwhelm a website or server with a flood of traffic, rendering it inaccessible to legitimate users.
- 5. Man-in-the-Middle (MitM): Attackers intercept communication between two parties, often to eavesdrop or manipulate the data being transmitted.
- 6. Phishing: Attackers use fake websites or emails to trick users into providing sensitive information, such as login credentials or financial details.
- 7. Brute Force Attacks: Attackers attempt to guess passwords or authentication tokens by trying different combinations until the correct one is found.

- 8. Clickjacking: Attackers trick users into clicking on a hidden or disguised malicious link, often by overlaying it on top of a legitimate web page.
- 9. File Inclusion: Attackers exploit vulnerabilities to include malicious files, such as scripts or executables, into a web page.
- 10. DNS Spoofing: Attackers manipulate DNS records to redirect users to malicious websites without their knowledge.
- 11. Drive-by-Download: Malware is downloaded onto a user's device without their consent, often by visiting a compromised website.
- 12. Session Hijacking: Attackers steal a user's session token to impersonate them and gain unauthorized access to their account.
- 13. Malware: Malicious software that infects a user's device to steal data, disrupt operations, or gain unauthorized access.
- 14. Ransomware: Malware that encrypts a user's files and demands a ransom for their release.
- 15. Zero-Day Exploit: Attackers exploit a vulnerability that is not known to the software developer, giving them a "zero-day" advantage.
- 16. Social Engineering: Attackers manipulate people into divulging confidential information, such as passwords or financial information.
- 17. Watering Hole Attack: Attackers infect websites that are likely to be visited by their target audience, exploiting the trust users have in those sites.
- 18. Eavesdropping: Attackers intercept and listen to communication between two parties, often to steal sensitive information.
- 19. Spoofing:* Attackers impersonate a legitimate entity to deceive users, often used in phishing or man-in-the-middle attacks.
- 20. Insider Threat: Attacks or data breaches initiated by individuals within an organization, either maliciously or unintentionally.

2)100 web vulnerabilities, categorized into various types:

Injection Vulnerabilities:

- 1. SQL Injection (SQLi)
- 2. Cross-Site Scripting (XSS)
- 3. Cross-Site Request Forgery (CSRF)
- 4. Remote Code Execution (RCE)
- 5. Command Injection
- 6. XML Injection
- 7. LDAP Injection
- 8. XPath Injection
- 9. HTML Injection
- 10. Server-Side Includes (SSI) Injection
- 11. OS Command Injection
- 12. Blind SQL Injection
- 13. Server-Side Template Injection (SSTI)

Broken Authentication and Session Management:

- 14. Session Fixation
- 15. Brute Force Attack
- 16. Session Hijacking
- 17. Password Cracking
- 18. Weak Password Storage
- 19. Insecure Authentication
- 20. Cookie Theft
- 21. Credential Reuse

Sensitive Data Exposure:

- 22. Inadequate Encryption
- 23. Insecure Direct Object References (IDOR)
- 24. Data Leakage
- 25. Unencrypted Data Storage
- 26. Missing Security Headers
- 27. Insecure File Handling

Security Misconfiguration:

- 28. Default Passwords
- 29. Directory Listing
- 30. Unprotected API Endpoints
- 31. Open Ports and Services
- 32. Improper Access Controls
- 33. Information Disclosure
- 34. Unpatched Software
- 35. Misconfigured CORS
- 36. HTTP Security Headers Misconfiguration

XML-Related Vulnerabilities:

- 37. XML External Entity (XXE) Injection
- 38. XML Entity Expansion (XEE)
- 39. XML Bomb

Broken Access Control:

- 40. Inadequate Authorization
- 41. Privilege Escalation
- 42. Insecure Direct Object References

- 43. Forceful Browsing
- 44. Missing Function-Level Access Control

Insecure Deserialization:

- 45. Remote Code Execution via Deserialization
- 46. Data Tampering
- 47. Object Injection

API Security Issues:

- 48. Insecure API Endpoints
- 49. API Key Exposure
- 50. Lack of Rate Limiting
- 51. Inadequate Input Validation

Insecure Communication:

- 52. Man-in-the-Middle (MITM) Attack
- 53. Insufficient Transport Layer Security
- 54. Insecure SSL/TLS Configuration
- 55. Insecure Communication Protocols

Client-Side Vulnerabilities:

- 56. DOM-based XSS
- 57. Insecure Cross-Origin Communication
- 58. Browser Cache Poisoning
- 59. Clickjacking
- 60. HTML5 Security Issues

Denial of Service (DoS):

- 61. Distributed Denial of Service (DDoS)
- 62. Application Layer DoS
- 63. Resource Exhaustion
- 64. Slowloris Attack
- 65. XML Denial of Service

Other Web Vulnerabilities:

- 66. Server-Side Request Forgery (SSRF)
- 67. HTTP Parameter Pollution (HPP)
- 68. Insecure Redirects and Forwards
- 69. File Inclusion Vulnerabilities
- 70. Security Header Bypass
- 71. Clickjacking
- 72. Inadequate Session Timeout
- 73. Insufficient Logging and Monitoring
- 74. Business Logic Vulnerabilities
- 75. API Abuse

Mobile Web Vulnerabilities:

- 76. Insecure Data Storage on Mobile Devices
- 77. Insecure Data Transmission on Mobile Devices
- 78. Insecure Mobile API Endpoints
- 79. Mobile App Reverse Engineering

IoT Web Vulnerabilities:

- 80. Insecure IoT Device Management
- 81. Weak Authentication on IoT Devices
- 82. IoT Device Vulnerabilities

Web of Things (WoT) Vulnerabilities:

- 83. Unauthorized Access to Smart Homes
- 84. IoT Data Privacy Issues

Authentication Bypass:

- 85. Insecure "Remember Me" Functionality
- 86. CAPTCHA Bypass

Server-Side Request Forgery (SSRF):

- 87. Blind SSRF
- 88. Time-Based Blind SSRF

Content Spoofing:

- 89. MIME Sniffing
- 90. X-Content-Type-Options Bypass
- 91. Content Security Policy (CSP) Bypass

Business Logic Flaws:

- 92. Inconsistent Validation
- 93. Race Conditions
- 94. Order Processing Vulnerabilities
- 95. Price Manipulation

- 96. Account Enumeration
- 97. User-Based Flaws

Zero-Day Vulnerabilities:

- 98. Unknown Vulnerabilities
- 99. Unpatched Vulnerabilities
- 100. Day-Zero Exploits