

Introduction to Web App

- **Web Application**

A computer program that uses web browsers and web technology to perform tasks over the Internet.

- **Examples of Web App**

Webmail, Online Banking, Web Search, Gambling, Web Logs, Web mail.

- **How do web applications work?**

The web application requires a web server to manage requests from the client, an application server to perform the tasks requested, and, sometimes, a database to store the information.

- **The flow of how web application work**

1. A user makes a request
2. Web browser forwards this request
3. Web application server performs the request task
4. Web app server send the results to the web browser
5. Web server respond back to the user

- **Benefits of web applications**

1. Run on multiple platforms
2. All users access the same version
3. They are not installed on the hard drive

- **Web Application Security**

1. The majority of applications are far from secure
2. Most of applications are developed by developers who have little understanding of the security.

- **Common Web Application Vulnerabilities**

1. Broken Authentication
2. Broken Access Controls
3. SQL Injection

4. Cross-Site-Scripting
5. Information leakage