

Introduction to WAD

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Basics

- **Software:** It is a collection of programs.
- **Types of software:** Software is two types. 1) Operating System. 2) Application
- **Operating System:** It is a software that acts as mediator between hardware and the user.
- **Application:** It is a software that runs based on the operating system.
- **Types of applications:** Application is two types. 1) Windows application. 2) Web application
- **Windows application (or) Desktop application:** It is an application that runs on local operating system. It should be installed in every system.
- **Web application (or) web site:** It is an application that is installed on a server (centralized location) and accessible in every client system through browser. It need not be installed in every client system. Web application is a collection of web pages. Web page contains some information.
- **Web technologies:** These are programming languages that are used to develop (create) web applications.
- **Types of web technologies:** Web technologies are two types. 1) Client side web technologies. 2) Server side web technologies
- **Client side web technologies:** These are the programming languages or concepts, which code executes on the client (browser). Ex: HTML, CSS, JavaScript, jQuery, AngularJS, Bootstrap, KnockoutJS, AJAX etc.
- **Server side web technologies:** These are the programming languages or concepts, which code executes on web server. Ex: .NET, Java, PHP, Ruby on Rails etc.

WAD (Web Application Development)

- WAD course covers all the client side web technologies.
- To create a real-time web sites (that can interact with the database), you should use "WAD + any one server side web technology".
- **WAD Course:**
 1. HTML 4
 2. XHTML
 3. CSS 2.1
 4. JavaScript
 5. JSON
 6. jQuery
 7. AJAX
 8. jQuery UI
 9. jQuery Plugins
 10. HTML 5
 11. AngularJS
 12. KnockoutJS
 13. CSS 3
 14. LESS
 15. Responsive Web Design
 16. Bootstrap
 17. jQuery Mobile
 18. Best Practices