

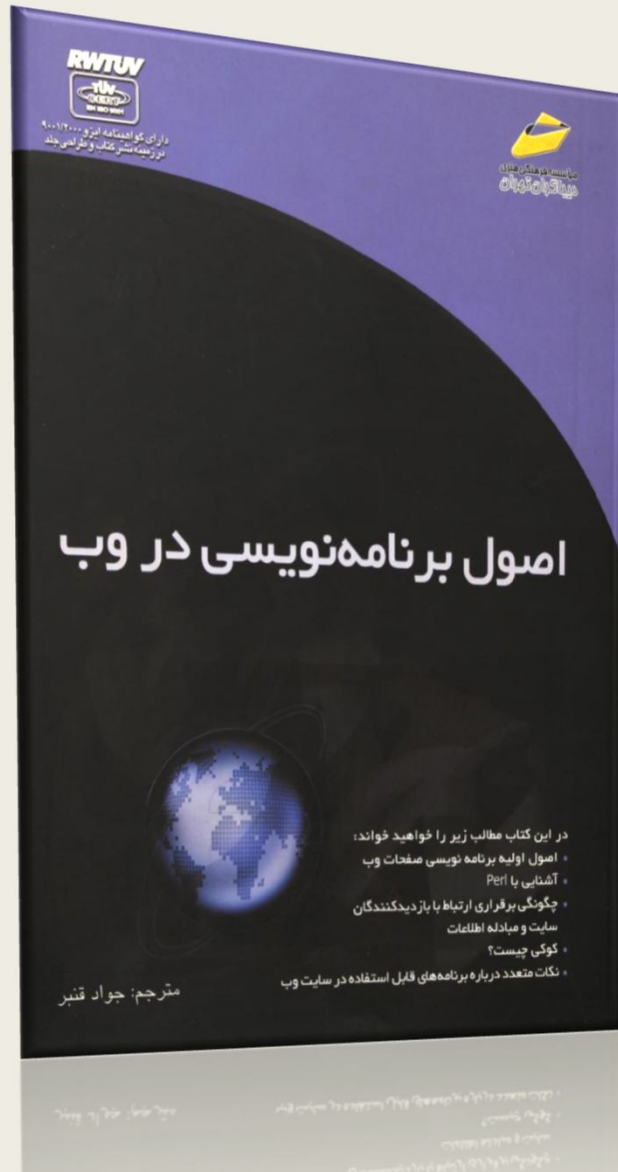


دانشگاه جامع علمی کاربردی

# برنامه سازی تحت وب

مدرس: یکماز

# منبع درسی



■ عنوان:

اصول برنامه نویسی در وب

■ مترجم:

جواد قنبر

■ انتشارات:

دیاگران تهران

■ منبع اصلی:

Teach Yourself PHP,MYSQL

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*SAMS 2008*

# بارم بندی

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- پایان ترم: ۱۲ نمره
- حل تمرینات و مشارکت در مباحث کلاسی: ۸ نمره
- حضور در کلاس: ۲- تا ۲ نمره

# سرفصل آموزشی

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- آشنایی با برنامه نویسی وب
- آشنایی با PHP
- آشنایی با حلقه های تکرار
- آشنایی با رشته و آرایه
- دریافت اطلاعات و پردازش فرم ها
- ایجاد توابع
- اتصال به بانک اطلاعاتی
- برنامه نویسی همراه با بانک اطلاعاتی
- مدیریت Session و Cookie

# فصل اول

# آشنایی برنامه نویسی وب

# Front-End Roadmap

## ■ STEP 1

### - *Learn the Basics*

- Every **Web Developer** must have a basic understanding of **HTML**, **CSS**, and **JavaScript**.
- **Responsive Web Design** is used in all types of modern web development.
- **ECMAScript 5** (JavaScript 5) is supported in all modern browsers. Take a good look at it, especially the new array functions.

HTML	CSS	JavaScript
HTML	CSS	JavaScript
HTTP / XHR	CSS Responsive	ECMAScript 5

# Front-End Roadmap

## ■ STEP 2

### - *Dig Deeper*

- When you feel comfortable with **HTML** and **CSS**, it is time to dig deeper.
- You should learn how to use **Maps**, **Fonts** and **Icons** in HTML.
- On the **JavaScript** side, you should learn how to access the **HTML DOM**.
- You should also learn how to use **AJAX** and **JSON** for making server requests.

HTML	CSS	JavaScript
HTML DOM	CSS Icons	XML
Google Maps		JSON
Google Fonts		AJAX
Google Charts		

# Front-End Roadmap

## ■ STEP 3

### - *Choose Frameworks*

- Now it is time to look at some **Frameworks**.
- On the **CSS** side you should choose a framework for responsive web design: **Bootstrap** / **Material Design** / **W3.CSS**
- On the JavaScript side you should learn at least one modern framework: **React.js** / **Angular.js** / **Vue.js** / **W3.JS**
- Maybe the popularity of **jQuery** has passed the top, but it is still the most used JavaScript framework.

CSS	JavaScript	XML
Bootstrap	jQuery	XSLT
W3.CSS	Angular.js	XPath
	Vue.js	XQuery
	W3.JS	



# Back-End Roadmaps

## ■ STEP 4

- *Back-End Roadmaps*

Fullstack	Fullstack JS
SQL	SQL
<b>PHP</b>	Node.js
ASP	MySQL
Python	Mongo.db

# فصل دوم

# آشنایی با PHP

# History

- PHP is a server-side scripting language designed for web development.
- It was originally created by **Rasmus Lerdorf** in 1994
- the PHP reference implementation is now produced by The PHP Group
- PHP originally stood for **Personal Home Page**, but it now stands for the recursive initialism **PHP: Hypertext Preprocessor**.

# PHP Introduction

## ■ What is PHP?

- *PHP is a widely-used, open source scripting language*
- *PHP scripts are executed on the server*
- *PHP is free to download and use*

## ■ What is a PHP File?

- *PHP files can contain text, HTML, CSS, JavaScript, and PHP code*
- *PHP code are executed on the server, and the result is returned to the browser as plain HTML*
- *PHP files have extension ".php"*

# PHP Introduction

## ■ What Can PHP Do?

- *PHP can generate dynamic page content*
- *PHP can create, open, read, write, delete, and close files on the server*
- *PHP can collect form data*
- *PHP can send and receive cookies*
- *PHP can add, delete, modify data in your database*
- *PHP can be used to control user-access*
- *PHP can encrypt data*

# PHP Introduction

## ■ Why PHP?

- *PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)*
- *PHP is compatible with almost all servers used today (Apache, IIS, etc.)*
- *PHP supports a wide range of databases*
- *PHP is free. Download it from the official PHP resource: [www.php.net](http://www.php.net)*
- *PHP is easy to learn and runs efficiently on the server side*

# PHP Install

## ■ What Do I Need?

- *Find a web host with PHP and MySQL support*
- *Install a web server on your own PC, and then install PHP and MySQL*

## ■ Set Up PHP on Your Own PC

- *install a web server*
- *install PHP*
- *install a database, such as MySQL*

# PHP Install

## ■ We Use XAMPP

- *XAMPP is a very easy to install Apache Distribution for Linux, Solaris, Windows and Mac OS X.*
- *The package includes the Apache web server, MySQL, PHP, Perl, a FTP server and phpMyAdmin.*