



# Introduction To Backend Development

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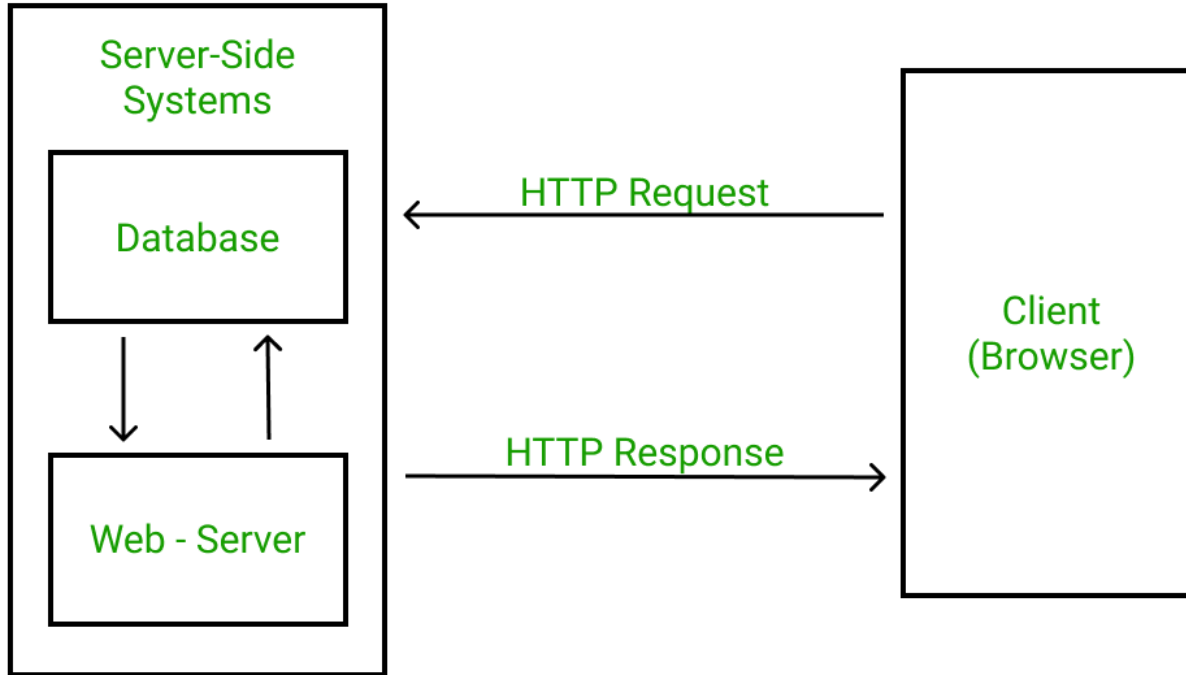
01

# What is Backend Development

# What is Backend Development

Backend Development is the term for the behind-the-scenes activities that happen when you do anything on a website or web application. Backend Development is mostly referred to as the server-side of an application and everything that communicates between the database and the frontend (browser). You can also say that Backend Development the server-side of development that focuses primarily on how the site works.







02

# Backend Development: Tools and Technologies

# Tools and Technologies

- Server ( Apache ) : A computer that listens for incoming requests from the clients.
- Communication Protocol ( HTTP ) : It comprises of the formal description of rules and formats of a digital messages.
- Databases ( MYSQL ) : provide an interface to save data in a persistent way to memory.
- Programming Language ( PHP )





03

# Intro To PHP



# Intro to PHP

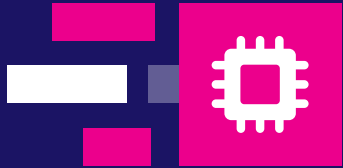
- PHP is a leading server-side scripting technology that was introduced by Rasmus Lerdorf in 1994.
- This open-source backend technology is commonly used for websites. Around 79.1% of websites on the internet use PHP as server-side technology, according to a recent survey of W3Techs.
- This general-purpose scripting language is easy to use and emend information in the databases.
- The availability of several modern frameworks, massive community,
- robust codebase, and easy deployment also adds tremendous value to this technology.

# PHP Features



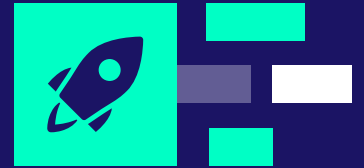
Open Source &  
Platform  
Independent

Security  
Against Target  
Attacks



Simplifies  
Programming

Cost-Effective





04

# Environment Setup



# Environment Setup

1. Manually install all the required packages (MySQL, PHP & Apache) and configure them.
2. Using all in one package (XAMPP & WAMPP). (recommended)

# Environment Setup

1. Web Server - PHP will work with virtually all Web Server software
2. Database - PHP will work with virtually all database software
3. PHP Parser - In order to process PHP script instructions a parser must be installed to generate HTML output that can be sent to the Web Browser.

# Environment Setup

1. Downloading XAMPP: You can download the XAMPP software from the official website with the latest windows version and latest PHP version.
2. Open the downloaded .exe file: After opening the downloaded file you will see a popup from windows, click yes and proceed further.
3. Click on 'next': You'll see a welcome window of XAMPP like below, click next.

Setup



### Setup - XAMPP

Welcome to the XAMPP Setup Wizard.



< Back

Next >

Cancel



## XAMPP Control Panel v3.2.2

Modules

Service	Module	PID(s)	Port(s)	Actions			
	Apache			Start	Admin	Config	Logs
	MySQL			Start	Admin	Config	Logs
	FileZilla			Start	Admin	Config	Logs
	Mercury			Start	Admin	Config	Logs
	Tomcat			Start	Admin	Config	Logs

Config

Netstat

Shell

Explorer

Services

Help

Quit

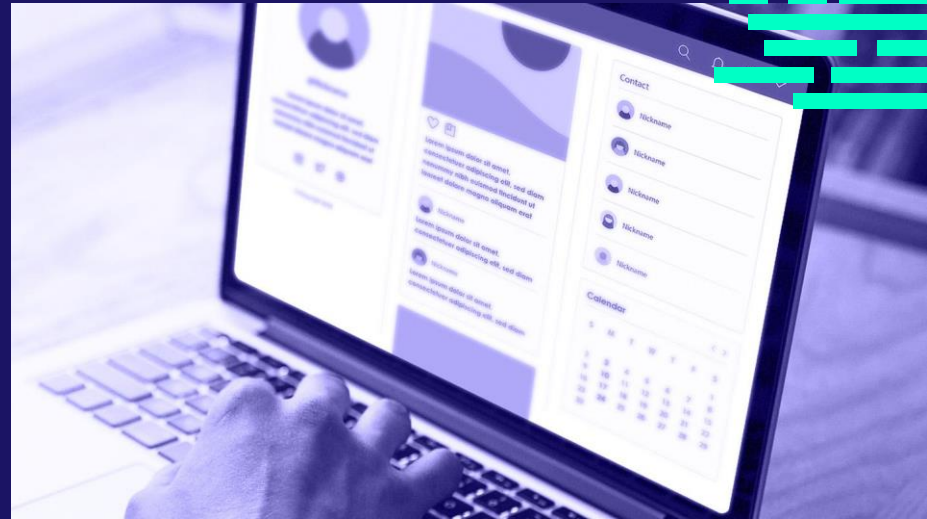
```
13:05:39 [main] XAMPP Installation Directory: "c:\xampp\"
13:05:39 [main] Checking for prerequisites
13:05:40 [main] All prerequisites found
13:05:40 [main] Initializing Modules
13:05:40 [main] The FileZilla module is disabled
13:05:40 [main] The Mercury module is disabled
13:05:40 [main] Starting Check-Timer
13:05:40 [main] Control Panel Ready
```



# ASSIGNMENT

Code a simple Form has fields for  
username , his password , email .

\_\_\_\_\_



# THANKS !



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