

# Webdevelopment Technology-PHP. How It Is Related To Web Development Technology ASP.NET

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**ABSTRACT:** This paper tells about the technologies used in PHP and how they are related to ASP.NET. The paper begin with the introduction of PHP, defining what and how technologies has been used in development of User Complaint Web Application. How thistechnology is related to ASP.NET in features such as implementation, functionality, validation and proactive behavior involved in validating user input from the browser, providing users feedback, overall time consumed in development and maintenance.

**Index terms:** PHP, Database interactivity, Web Application, Comparison of two web technologies PHP and ASP.NET,My-SQL, Visual Studio, Apache.

## 1. INTRODUCTION

Hypertext pre-processor is a web page programming language that was designed to produced dynamic web pages. For this purpose PHP code is embedded into the html source file with PHP tags and interpreted by the webserver[1].PHP is the undisputed king of web programming languages. Its users cite many reasons for deployment, such as database connectivity, powerful extensions, and rich object-orientation, but nearly everyone would agree that, above all, PHP is just plain easy to use. This feature that continues to drive the language forward, attracting new users and enabling existing programmers to do more with their skills[23].

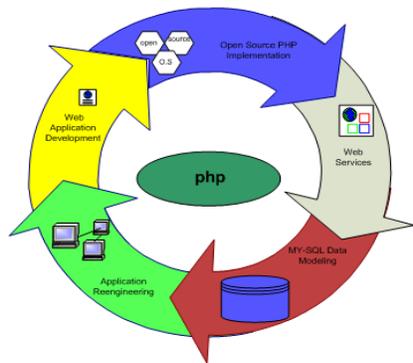


Fig1. Areas of PHP

## 2. IMPLEMENTING USER COMPLAINT WEB APPLICATION

We have implemented a web application using PHP which was earlier been implemented in ASP.NET.We have studied various advantages and disadvantages of PHP and finally compared this technology with ASP.NET on the basis of the features, application, and maintenance of this web application.

### 2.1. DEVELOPMENT, EDITOR AND TOOLS.

Mostly ASP.NET is preferred for developing small web application whereas PHP web technology is used for developing large web stores. Average development time is more for smaller websites in asp.net whereas in PHP average development time is less for smaller websites. Microsoft Visual Studio is used to develop .NET Applications in web technology ASP.NET.PHP is editor independent, have access to extensive number of editors.

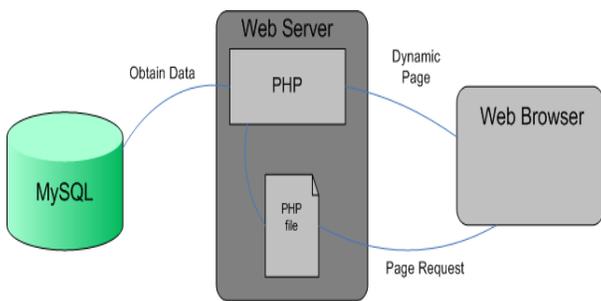
### 2.2COST AND SPEED

ASP.NET and IIS are free if you purchase Windows OS. There is substantial licensing cost for a Microsoft Windows Server, Microsoft SQL Server and future upgrades.[3] whereas PHP programs runs on Apache on Linux and Unixservers which is free. Speed of the websites implemented using both technologies depends upon database server, web browser, client the way they access the website.

### 2.3. DATABASE INTERACTIVITY AND PLATFORM INDEPENDENT

Both ASP.Net and PHP have rich APIs for handling database connections. Therefore, both frameworks are designed to work closely with a wide variety of relational as well as NoSql databases including MS SQL Server and MySQL. However, as a choice of database for developing web applications, MySQL has been preferred the most among PHP developers,[64] and in the case of ASP.Net, SQL Server 2008 has been preferred the most recommended . PHP is platform independent and can run on any platform-Linux,Unix, Windows.ASP.NET is built to run only on windows platform.[4]

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**Fig2:** Database interactivity of php

## 2.4. UNDERSTANDABILITY

ASP.NET coding is not easy to understand when compared with PHP. ASP.NET programs are written in object oriented languages for which a developers need to work a little bit to understand the program. It is must to have knowledge of understanding the object oriented language to understand the ASP.NET applications. PHP applications are easy to understand as there is no need for developer to work hard for understanding it. This is possible because PHP is a scripting language and easy to understand.[5]

## 2.5. DESIGN AND SECURITY

While implementing a web application, designing part is all done in the PHP script which includes the cascading style sheets. In ASP.NET master pages are used to implement design. In ASP.NET , IIS must be improved from the past and now a days it is one of the secure web servers where as in PHP major web servers are secure. ASP.NET is promoted by Microsoft whereas PHP is promoted by PHP community[6].

## 3. CONCLUSION

From our experience with both technologies we conclude that ASP.NET has many drawbacks as it is significant mostly for shot web application. The web application in ASP.NET is easier to create, debug and deploy. Automatic management of server controls which behaves more like windows control are the key factors of ASP.NET. Even though PHP is considered to be the oldest scripting language it lacks in advancement of tools and controls. PHP can be preferred mostly for large project. From our analysis on the technologies PHP proves to be efficient and flexible for web applications. When considering the User Complaint web application in future perspective, more functionality and new features can be added. The present structure of the database can be increased with more requirements. Day to day there are new updates and new versions introduced in ASP.NET and PHP, the platform which is more compatible, reliable and which reduces the security issue can be considered for developing a web application.

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