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| --- | --- | --- | --- | --- |
| **Java** | **ASP.net** | **PHP** | **Ruby** | **Lisp** |
| -Programming language "beautiful" is central to all developers that their products are not related to Microsoft (The developer focuses only on the outside of the .NET experience). Origins of the Java development is primarily from C and C + + but with a model object-oriented basic and more distinct. Java also is ranked first in the list of popular programming languages of TIOBE.  -Currently, Java is used very widely, mostly written applications on the Internet (game, app or web functions) in order to exploit its full potential in the field of telecommunications, television, online, and individual computers. Java platform is also key to the formation and development of the Android operating system, Google Play app library, Amazon appstore or that we can use to design the app, mobile app developers. | -This language is an essential part of the .NET Framework, developers So that is creating products related to Microsoft, the C # language they share is used frequently in coding their lives.  -ASP.net is built on purpose to create one modern programming language, simple, purpose and object oriented.  -ASP.net programmers are used to build software applications on OS window, platform .NET framework | -It is a common language, was sixth in the list of TIOBE. High speed PHP scripting with caching, augmented with compiled code plug-ins (such as can be done with Perl and PHP). PHP is a language that is looking forward to the future with the explosion of the popularity of your web page can be viewed at website design joint purchasing. | -Ruby is a programming language object-oriented, capable of mapping. Syntax affected by Ada and Perl with characteristics of Smalltalk object-oriented, and also share some characteristics in common with Python, Lisp, Dylan and CLU. Ruby is the language interpreter single phase.  -Ruby provides programming model, including functional programming, object-oriented, imperative, reflexes. It uses a type system and automatic changes memory management. | -Lisp is a programming language data structure platform is the linked list (a linked list). Lisp is known as one of the programming language typical function, although sometimes still be writing Lisp programs towards procedures. On the form, the command syntax is very special Lisp with parentheses and prefix notation written.  -Lisp is dedicated language in the industry of artificial intelligence in the United States. Even in the United States affected by it are crowding out other commonly used language in the field of artificial intelligence is Prolog. |

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|  | **Java** | **ASP.net** | **PHP** | **Ruby** | **Lisp** |
| ***Runs on OS*** | 5 | 4 | 5 | 3 | 3 |
| ***Multiple framework*** | 2 | 5 | 4 | 3 | 3 |
| ***License costs*** | 5 | 4 | 5 | 2 | 2 |
| ***Use convenient*** | 4 | 5 | 4 | 4 | 4 |
| ***Common*** | 3 | 5 | 5 | 3 | 3 |
| ***Total*** | 19 | 23 | 23 | 15 | 15 |

**References:**

<http://ftico.fpt.edu.vn/15-ng%C3%B4n-ng%E1%BB%AF-l%E1%BA%ADp-tr%C3%ACnh-thi%E1%BA%BFt-k%E1%BA%BF-web-ph%E1%BB%95-bi%E1%BA%BFn-nh%E1%BA%A5t.aspx>

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**Evaluation Criteria:**

* 1: Completely unsatisfied
* 2: Dissatisfaction
* 3: Normal
* 4: Satisfied
* 5: Very satisfied

We take the point evaluation criteria based on the feedback satisfied using the programming language. On sites offer.

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| **Area** | **LAMP (PHP)** | **ASP.NET (C#)** |
| Licensing cost | No licensing cost | Expensive licensing cost |
| Support options and cost | Free support via community  Paid support options available | Free support via community  Paid support options available |
| Platform(s) | Multiple | Windows only |
| Staffing | Somewhat difficult to find qualified people | Very easy to find qualified people |
| External Hosting | Widely available and inexpensive | Widely available, but more expensive |
| Security | Very good | Historically very bad, but improved recently |
| Performance | Very good | Often requires more expensive hardware to perform well |
| Scalability | Scales very well | Can be difficult to scale |
| Administration | Difficult: Often requires reading documentation and editing text files | Easy: Often can be done through point and click interface |
| Configuration ease of use | Can be difficult to configure properly | Easy to configure |
| Configuration flexibility | Extremely flexible | Not very flexible |
| Framework(s) | Many available – often difficult to choose | One standardized framework |
| Components | Widely available | Widely available |
| Compatibility | Very good: New versions usually backwards-compatible | Moderate: New versions often break functionality |

References:

<http://www.syllogisticsoftware.com/papers/Web_Development_Technology_Comparison.html>

<http://stackoverflow.com/questions/663923/do-i-have-to-pay-a-fee-to-develop-or-deploy-a-net-application>

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| --- | --- | --- |
|  | **LAMP (PHP)** | **ASP.NET (C#)** |
| Total Point | 8 | 4 |

**Summary:**

* There is nothing about .NET that requires you to pay.
* Often, you will hear that it is not free, but this is referring to the GNU concept of "Free" as in "freedom", not free as in price (or, in their words, .net is free as in beer but not free as in freedom).
* You can use your student license to create .net applications. You can also download VS 2008 Express Edition, which is fully functional to develop.
* Alternatively, you can develop in .NET using non-Microsoft products. Mono includes a completely separate, free runtime. There are even free IDEs available, such as SharpDevelop.
* Yes. You can use .NET to develop and deploy a website, an application, or anything else. There is nothing in the technology itself that requires payment. The only thing that requires payment is certain tools (such as Visual Studio Professional Edition or the Visual Studio Team Editions). There are lots of ways to develop with .NET for free.
* Through feedback on satisfaction ASP.net and PHP language with the highest feedback score.
* Through a review of resources and available resources of the team (Team is licensed to use Microsoft software copyright, members have high proficiency when using Visual Studio "ASP.net"…), so the team decided to choose the language ASP.net
* In addition, the biggest reason to remove the PHP language team because:
  + PHP language, only one - two members use testing. So the popularity of the group is low.
  + PHP just to fulfill his full power on the Linux operating system (majority of the members use windown OS)
  + Framework on PHP needs a huge amount of skill and learn more to be able to use effectively. Sources are considered long-term linguistics. Not suitable for the project has started implementation.
* Team decided ASP.net language because it fits in many aspects with the team.