Trends of Developers for Selecting Web Development Platform

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Abstract

This research work is conducted to create awareness in the students about the web development platform, which is mainly used and to shed light on the taste of developers for different languages. From the stage, we start thinking about which platform we should learn and which is the most running language in the market nowadays. We will also shed light on languages that industries prefer to use.

1. INTRODUCTION

In our daily life, we are so much dependent on various websites like social and shopping websites like Facebook, Instagram, Flipkart, respectively, but here we will discuss such websites how they are developed and under which platform is its design. Nowadays, every third person is a developer who work on coding and website designing. So, we will take a view of what is the taste among developers nowadays and why? It will give us a clear idea about which platform to select and which has wide scope in industries and in today's world. Because selecting the platform during the development is myths for many students who don't know and they are confused and which platform to select students always find an easy way to complete it. Still, the thing is which has scope in today's world for e.g. take JAVA and PHP it is commonly used by many of the developers because the coding is easily available for them even the websites are providing it directly it makes their work easy but the truth is JAVA and PHP are most popular among developers, and even in industries these languages are widely used according to on our survey. Students or developers like to work in a team because it will consume less time and can provide support to each other or divide the work to make the task easy.

2. DATA COLLECTION

The data was collected using the survey method, which means we created a questionnaire and spread through multiple social media sites like Facebook, WhatsApp, and Twitter. In this way, we reached a large number of people. People who filled the form came from varying Age groups from 20 years to the age of 30. This data is not biased and gives us an approximately accurate representation of real-world data. The result of the data collected was analyzed over a period of time and helped us to learn and reach a conclusion to our study.

3. METHODOLOGY

This research is used to understand about web developers. A survey was conducted, and data was collected from various sources. We created the questionnaires by asking a set of very specific questions which was decided after thorough analysis. The study was conducted on a sample of 100 individuals from varying age groups. This gave us a way to cover the broad spectrum of the population. The individual varied from being students to senior citizens. 17 questions were asked to each individual; the question covered topics related to web development platforms.

4. SIGNIFICANCE OF STUDY

The study will help create awareness about the taste of developers to know which platform they use for web development and also help students to select which platform is more demanding in today's world. It will shed light on which platform people is working more on it and even cover the experience of employees, students which platform they have worked on and which they generally prefer to use and also give some idea about which platform people

have created their own projects. It also gives an idea about the web browsers which people prefer to use more. You will also get an idea about the period taken in developing a website and what is people view about it and how many pages website people have worked on.

5. STUDY BASED ON THE SURVEY RESEARCH DATA

We have collected the data from the survey conducted. We created a list of questionnaires and these questionnaires were shared and we asked people to fill them. After collecting the data, we transferred them into excel sheet and preprocessing of the data was done. We analyzed different aspects of the survey and calculated the results.

In this Bar graph, we have divided out our records based on age. This will help us to get a clear idea of which age group uses to design a website on the bases of the survey, age 21 to 30 is most of developing a website and following that is the age group 1-19 The other two age groups do not design website much.
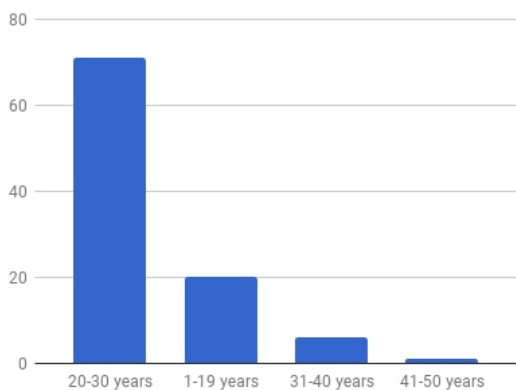

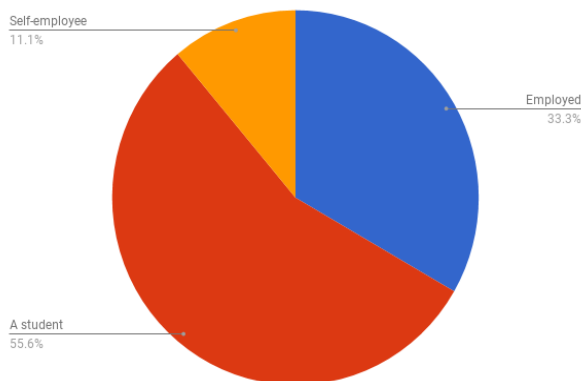**Fig. 1:** Current age of the people filling the survey

Fig. 2. Currently employment status

5.1. What categories of people are interested to develop website?

As you can see from the Pie chart the maximum number of people is students who are interested in developing a website.

5.2. Which Web development platform is widely used by developer?

The Pie chart clearly shows that the maximum number of Developers are using java platform. Java basically provides the best security of users nowadays. Students prefer more development and use of java platform to design website java has strong support for web development and ASP.NET has less use for developing websites compare to java and two other platform PHP and Python that platform also uses by the developer. The developer uses PHP for the development of a small size website. The percentage of vulnerabilities attributed to each language is also in line with the above ranking Java 35.4%, ASP.NET 29% observed while PHP and Python accounted for 26.3 and 9.1%, respectively.

5.3. Which Web Development Platform Does Industrial Prefer The Most?

In this pie chat shows that maximum industrial developers are using java platform for developing websites.
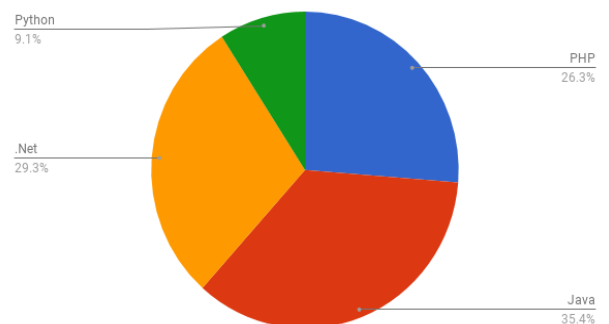

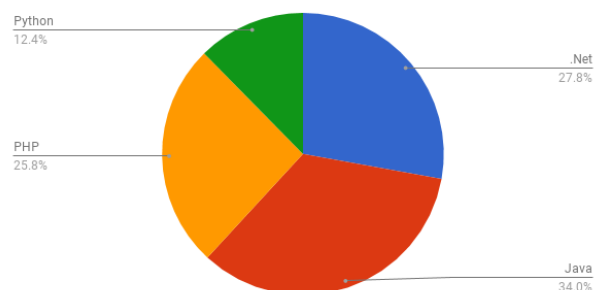**Fig. 3:** Web development platform is used mostly by developer

Fig. 4: Development platform prefer by Industrial.

5.4. Which web development platform has more scope?

The Pie Chart clearly shows that java platform has more scope compare to another platform for web development. The percentage of java platform scope is 42.4%. compare to PHP, .Net, and Python

5.5. How much is durability of software?

In this pie chart, it shows the maximum number of people to take time to complete a project in the duration of a minimum 1-year or sometimes developer takes more than 3 years, but it depends on project quality, cost of the project, and the requirements of clients.
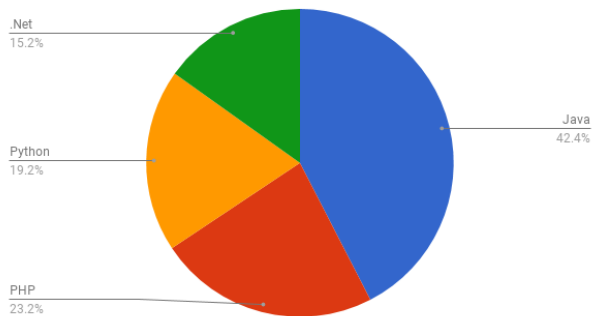
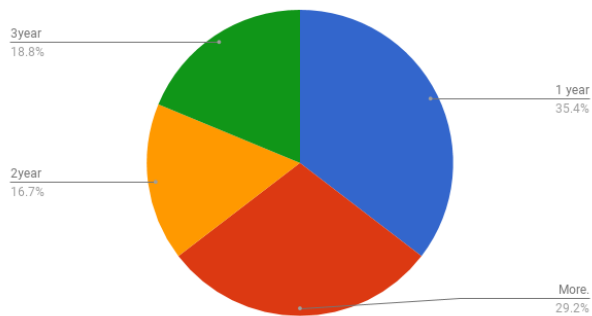**Fig. 5:** Scope of web development platform.
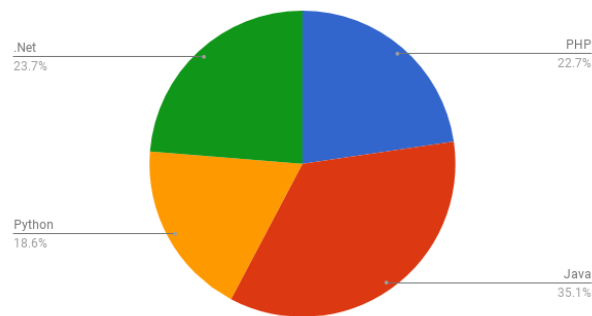
Fig. 6: Software Durability.

Fig. 7: Platform used by students.

5.6. Which platform used by student?

According to this pie chart maximum, no of students used java Platform to develop because java provides more security compared to another platform or tool.

5.7. How much time does it take for developing one web site?

The pie-chart shows that almost 41% of a developer has all most take 1 month to create one web site, and it depends on the manager to manage schedule for the developer.

5.8. Which Language is Preferred by Students?

The above Pie chart clearly shows that more than 30% of the people use Java platform because its more demanding in today's world and have many inbuilt features after that we can see PHP is used by 26.0% of peoples it's an open-source general-purpose programming language. .NET is preferred by 24.0% of people it's also demanding in today's world after that python 19.8% because people don't have more knowledge about it as compared to JAVA, PHP and .NET.

5.9. What kind of work do you prefer Alone or on a Team?

This graph shows us what people to work on project in a team or alone here we can clearly see people prefer to work in a team more than alone because it will give less
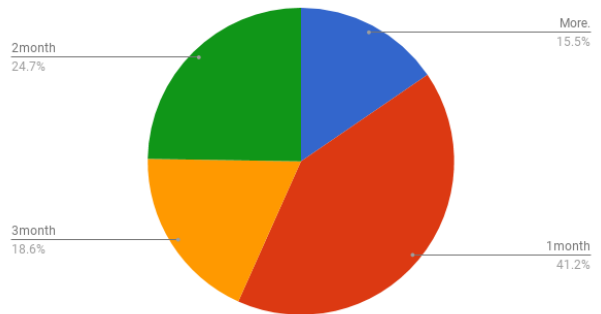
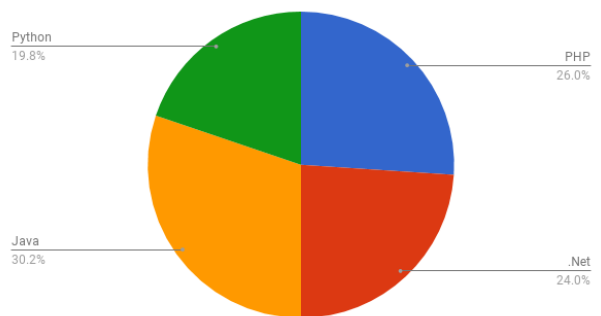**Fig. 8:** Time-span is taken to develop one website

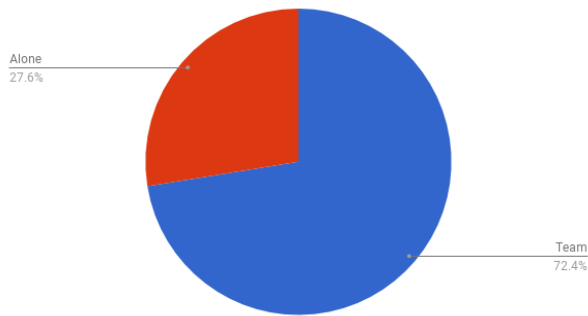**Fig. 9:** Language Preferred by Student.

Fig. 10: working with team or alone.

Fig. 11: Preferable Web browser

burden on individual 72.4% people like to work in team as shown in the chart above and only 27.6% of people like to work alone but working alone may help to increase your knowledge rather than in a team.

5.10. What web browser do you use?

The above graph shows which web browser people mainly like to use for website here google chrome have won the battle because 70.4% people like to use chrome because as u know its google browser with more features, even many android mobiles manufactures provide chrome in build so it has more use and Mozilla Firefox is also used by 17.3% of peoples it's also a good web browser it is very efficient and also have many in build features, third is opera it is also a web browser which is also available in apk format for android users it was more used in Symbian mobiles in 2000-2010 mainly in nokia phones and last is Microsoft's internet explorer it do not have more functions and features compare to other browser people mainly see the speed of loading the content and images downloading speed is nowadays more important for any web browsers.

6. CONCLUSION

The study on the taste of developers on selecting the web development platform has concluded that people want the easy way out and wants features which can make their work easy they don't want to work alone on any project because they feel its burden and want to use the platform which is more demanding and provide features in designing and which is more secure to use therefore java is preferred more in comparison to any other language.

7. FUTURE ENHANCEMENT

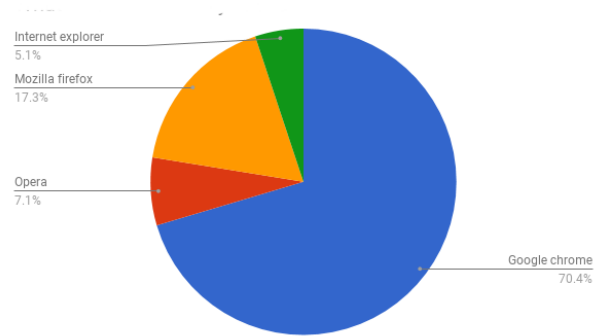The results of the study can help us shed light on the lack of awareness among the general public. The future enhancement for this would be to use the results to change the policies on how data is being accessed and being handled by different third parties. This study can be used to create awareness about safety habits to be followed by a user when using and interacting on the internet.

8. REFERENCES

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