# Software Development Phases by Amory Bert

Article published on July 30th 2012 | Software

Software development is the widely used term nowadays. But what exactly is this software development and what are the different phases that the developer undergoes while developing software?

Software development also known as software application development is the carefully planned and structured process of computer programming that includes writing and maintaining the source codes and byte codes to achieve the desired product. Some of the advantages of software development for a business or an enterprise are:

1. Increase the productivity with minimal efforts

2. Can be designed as per specific need

3. Makes repetitive and other tasks easier

4. Can help to manage customers, clients, employees, staff, etc. all from a single location

5. Help generate various reports automatically

6. Can prove to be a cost effective solution

A software developer in UK and elsewhere can use various technologies such as Microsoft and open source technologies to develop a desired application. However, every developer has to undergo the required development phases while developing software. Let us see what these software development phases are.

Software Development Phases

Software development phases also known as software development life cycle are the series of activities that developers or programmers follow.

Preliminary analysis â€“ the first thing that a developer has to do is to study the objectives or requirements of the organisation or business for which he/she is going to develop a software application. After gathering the required data and information, the developer now can suggest a solution. The developer can also describes benefits of the software and can give rough costs of development.

Technology analysis â€“ after analyzing the requirement and suggesting a solution, the developer now must analysis the solution based on technological aspects i.e. whether to use Microsoft, open source or other technology. Each technology has several advantages over each other. Hence, this phase will help in deciding the right technology that could be ideal for the required application.

Designing and layouts â€“ once technology is finalised, now itâ€™s time for designing various screen layouts and themes. This designs and layouts have to be in accordance with the intended users. It should be simple to see as well as to understand.

Development â€“ hardcore programming is done in this phase. Out of several programming languages, a coding is done with a particular language such as PHP, .Net, ASP.Net, Java, etc. Various scripts

and source codes are prepared and complied.

Testing and quality check â€“ once complete programming is done, several testing such as stress tests, data set tests, system tests, user acceptance test, etc. are performed.

Deployment â€“ after the software passes various tests and quality checks, the software is finally deployed on the organisationâ€™s machine.

Maintenance â€“ sometimes software developers in UK, in fact all around the world offers maintenance services for the software that they have developed. Maintenance also includes updates as well as enhancement of the software.

Thatâ€™s pretty much all of the software development phases that are involved while developing a software application. Several software developers in UK goes through this phases to ensure that their client receives the exact software that they require to take their business to new highs.

Article Source:
http://www.articleside.com/software-articles/software-development-phases.htm - Article Side

Amory Bert - About Author:
iCrayons is leading a software development company in UK. We offers web design and web development, mobile app development, bespoke software development, SEO and various other services in UK. For more information please visit us at a http://www.icrayons.co.uk/

Article Keywords:
software development uk, software development company London, software development company uk, software development Birmingham, software developer Bristol

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!