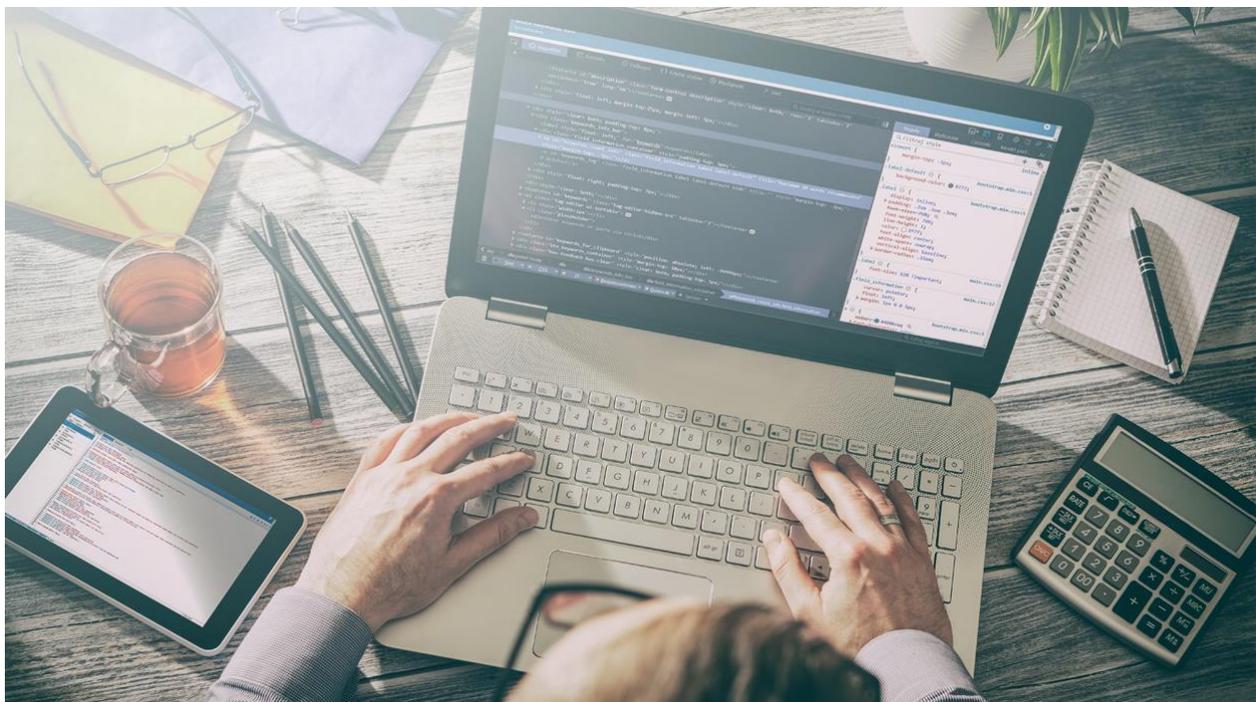# Importance of Software Development Companies

In the last few years, the software development industry is among the hottest industries in the world. Today, Software applications are used almost in every field whether it is in the banking sector, education sector, defence, hospitals, hotel and hospitalisation, booking of air tickets or any transport reservation and list is endless. Computers and software applications together have made our lives so comfortable and convenient. They have given us the power to access anything just from our fingertips.

We cannot forget about software development companies because they are the one who is responsible for this freedom we got. These software companies had provided the world with the best class software applications. Software development companies create software for their customers. The whole process of developing an application is known as System Development life cycle. Whether it's about developing any desktop application, a web-based application or mobile application, a software company can create any the software.

Software development Life Cycle (SDLC) consists of six phases. These are as follows :

1. Requirement gathering and analysis.
2. Design.
3. Implementation or coding.
4. Testing.
5. Deployment.
6. Maintenance.
These all phases are followed to develop software.

Requirement gathering and analysis: It the very first and an essential phase of any SDLC. Software developers gather detailed information about the customer's requirement. Here, customer explains to the developer how and which type of software they need. What are the things or features they want to add on their software? What is the purpose of software and where they wanted to use it? Answers to these all questions help the developer to understand better what are the customer

requirement. It gives an idea of how to proceed. Developer team collect information through one-to-one interaction with the client, or they can use a questionnaire to gather required information.

Design: In this phase, designing of software is done. It is based on the information gathered from the first phase. Designing phase also includes specifying hardware and system for software. Here basic architecture is defined. The system design specifications are used as input for the next phase of SDLC.

Implementation or coding: This is the main phase of SDLC. The actual development of software starts here. Actual coding starts here. Developer divides the work into modules or units and starts coding for each unit. It is the longest phase of the System Development Life Cycle.

Testing: After the coding phase, testing of modules or units is done. Tester tests the developed application thoroughly and finds the hidden bugs in the software. These bugs are sent to the developers and fixed. After fixing the bugs, testing is performed again, until it reaches a stable position.

Deployment: After testing completes, the software/product is deployed at the customer's end. Beta testing is done at costumer's end. If any bug found, the engineer/developer team fixes that bug and deploy the software to the customer.

Maintenance: After the product delivery, the customer starts using the product. Its developer teams responsibility to troubleshoot if any problem arises at the customer's end. This support is known as maintenance.

Nowadays, many development companies are available worldwide. You can contact any company according to your requirement and taker their services. You should be very alert while choosing a decent software development company. Because its a computer era and almost all work are done with its help. Software development companies create customised software for your business or work.   Since there is significant competition in the market, sometimes companies give offers to their customers. Therefore you must be careful in selecting the best software development company for your business.

These are some tips to find the best-suited software company. The first and the foremost step is to know the objectives and aim of hiring web development company. Discuss with your management team the objectives of hiring the web development company. It is important because it will help you to understand your business needs. Make sure to discuss your objectives with the web development company and hire the services of the company that understands it properly so that they can deliver you the best results. Also, ask for referrals from your friends and colleagues if they have previously used the services of the web development company. It will help you to find a professional company. Once you shortlist a few companies the next step is to visit them personally so that you get an idea about their services. Ask them referrals from previous clients as it will help you to choose a professional web development company. These tips will help you find the right company.