



Term Paper on  
“Software Development”

Submitted to:  
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## **“Software Development”**

**Letter of Transmittal:**

27<sup>th</sup> March, 2019

Dr. AKM Zakaria

Course Instructor

Department of English

East West University

Dhaka

Subject: Submission of term paper titled “Software Development”

Dear Sir,

We have the honor to submit the term paper as a requirement of the course Composition and Communication Skills. While preparing the report, we have had the opportunity to work in real life situation from where we have learned how theories are applied practically.

We hope our effort and endeavor will achieve your satisfaction. If you need any further clarification, please let us know, we will always be available.

Sincerely yours,

Jannatul Haq Nayeem and Jubaida Khanom.

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**Executive of Summary:**

In this paper, we present a survey of relevant works from psychology, mathematics and computer science studies. The combination of these fields provides all of the information about software. Then, we collected all of these information, and we wanted to find out what the problem is or what should be software users friendly. We discuss the problem which we got through our survey. We also discuss possible solution which are people face every day, and how software developers can develop software development. We also discuss the problem which we got through our survey.

## **Introduction**

### **Historical Background:**

The history of software development methodologies dates back to 1950s. An outline (algorithm) for what would have been the first piece of software was written by Ada Lovelace in the 19<sup>th</sup> century, for the planned Analytical Engine. The term ‘software engineering’ was suggested at conferences organized by NATO in 1968 and 1969 to discuss the ‘software crisis’. The software crisis was the name given to the difficulties encountered in developing large, complex system in 1960s. The world’s first software engineer is David Caminer. He was a management trainee at Lyons- a catering company in London- where he was responsible for creating the world’s first business application of computing on a system called LEO. He was a true pioneer, inventing many of the standards now called systems engineering.

**Scope Limitation:**

In my opinion, there is no scope limitation for software development, because of we use software every day in our life. We use software for business, we use it for economic sector. We also use it in the University. Eventually, we can use it school, market, farm, hospital, bank, and many other sector. It is very useful and easy way to finish our work quickly. For all of this reason, we can say that, our paper has no scope limitation.

**Problem Statement:**

When we wanted to complete our survey, we faced many problem. We surveyed from many students but few of them just filled up the survey and many students did not filled up the survey paper attentively. They just do it for helping. For this reason the result of our survey can be variable.



**Significant of Studies:**

Software developing is the study of building, designing, developing, maintaining, and repairing software. Software development is very important because software is needed in almost every industry, in every business, and for every function. For this reason all the people in the world should know about software so that they can use software for their own sector. Software increases the speed of any work, so it is essential for every person. Software is very important to the technology world today. Software that we use every day, such as Microsoft Office, email, games, art, photography, or anything that we involves the use of computer system or mobile system software.

## **Methodology of the Study:**

Software development is the process of conceiving, specifying, designing, programming, documenting, testing, and bug fixing involved in creating and maintaining applications, frameworks, or other software components. Software is developed with prior requirements and it is maintained continuously with rapid progresses in domain, technology, economy and other fields. Software maintenance is vital and it requires more efforts and resources than development phase. It is the process of modifying a software product after delivery to correct faults or to implement new functional requirements. Software maintenance helps to improve performance, reliability and adaptability for change request in the product in the modified environment. It is categorized as adaptive, corrective, preventive and perfective. The methodology of this paper is based on primary data only. Survey method is used in this paper because it is one of the easiest and quickest ways to gather basic opinion of people. We created a list of few problems in order to find out information about our paper “Software Developing” and solution of this problem. The survey is done among the students of East West University and some of other universities in Bangladesh because we wanted to know the thought of young generation. When we wanted to make our term paper about “Software developing” we faced many problems. It is not easier to write a paper on “Software Developing” without helping any experience persons. Our honorable teacher Dr. AKM Zakaria Sir and our respective Undergraduate Teaching Assistant (CSE) Lima Akhtar Setu Apu respective helped us a lot.

## **Data Collection:**

We have collected our data by doing a survey. As this is an empirical research, we needed to gather primary data so we chose survey as our data collection strategy. Our target is to collect data from the students of various universities of Bangladesh. By doing this survey, it was easy to get opinion from participants. As a result we were able to know the perception of participant which would aid us to relate the data with the aim of the research. The survey was an effective research tool, because the cost is low. But it was less efficient when at the time of gathering sensitive data. But in this term paper, there was no requirement of sensitive data. So survey was the best option for us. Random sampling was more suitable for our study because each member of the population had an equal chance of being selected. Our main target was to measure the level of awareness about different software. Survey was done through internet because internet survey provide a fast and cheap alternative to postal surveys and for this reason, they proved to be an attractive proposition for project researchers like us as we needed result quickly and have restricted budget. There was no travel, no venue needed and no specialist equipment required. In our survey, there are some software related questions. In each under the questions there were some spaces for write their opinions. In this survey paper, there was a blank page; so that the students can write their own opinion that how software should be developed for different people, also they can write what should add new things with software which could help people a lot in their daily life.

### **Samples and Populations:**

In this survey, we normally wanted to know the software development related concepts universities students have. We selected not only the students who were the students of department of Computer Science and Engineering but also other departmental students, because nowadays every students use software in their daily life. For this reason we took survey from all of the students. Although all of the departmental students using software but only department of Computer Science students can properly explain or answer our question, because they have a lot of knowledge about software. So, our main target was finding the students of department of computer science. In our survey, we also took some question for the students who read in higher secondary school, because they also should know about software. For this reason, these students could also know about the software. We took our survey for more than 100 students. But sadly, for technical issue many students could not submit their survey. However, we received more than 60 complete surveys from the students and more than 20 incomplete surveys. Rest of the surveys we could not receive. Then we worked for these 80 surveys.

**Instrument for Data Collection:**

For data collection we used many instrument. When we made a survey we used Microsoft word for typing all the statement. Then we used Google drive for store all of the survey. Then we give our survey paper to the students by Facebook, Whatsapp, and many other websites. When we got back all of this survey we need to count all of this. So, we used Microsoft excel. For calculation we also used Microsoft excel. So, these are all of our instruments for data collection.

## **Data Analysis:**

Data analysis is the most crucial part of any research. Data analysis summarizes collected data. There were many techniques for data analysis. First of all, we gather all of the data which we got through our online survey. While we read this paper, we noticed that most of the students complained about software security. It is true that most of the software has no well security. For this reason it is possible to loss or hacked users important information or data. For this reason, software developers should make their software more secure so that users' data would not be lost. Some of the other students wrote that, much software is not user-friendly. For example, a software can be for checking the distance from one area to another area only for Dhaka city. So, it is a good app for people who live in Dhaka. Most of the people wanted to use this app for checking the distance in Dhaka. But if he goes outside of Dhaka he could not use this app, because this app did not work outside the Dhaka. For this reason he must have download another app for checking the distance between any places outside of Dhaka. So, that's why they are not satisfied to using this app. Software developers should make app which any user can find this app related any information in any place of the world. In the modern era, money is a part and parcel in every human life. So that's why if we want to browse some websites then we have to pay. But in the third world country like us we are unable to pay for this. For this reason, many students they want to use without paying any money. When software developer wanted to build software they bought many important things from many software developer industries. These important parts prices are too much. So, this software developer industry should have taken low price for this parts, so that people easily can buy this parts and then they can use this parts for develop their software. If they can buy this software with a lower cost, then they want to make their software free for all people.

## **Discussion and Conclusion:**

The aim of the survey was to determine the level of awareness about software among the students of East West University and some of the university inside of Dhaka. After analysis the responses of the participants of our survey we have found that most of the students want this types of software which are user satisfaction, well secured, free for all people. Many students wanted to use app which they can find out all of information through this app. For this reason, software developer should make software which can use all of the people in the world. Some software developers make software for unethical purpose which is really harmful for people. For installing this type of software they might be lost their important information, or some hacker could steal their personal important information. For this reason, this types of software should be banned in the software market. All of software should be well secured. This is really essential for all software. If software developers take to develop these types of problems, then all of the people can be useful by using software.