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Develop the quality of software product in the lack of domain knowledge by using software quality testing

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Abstract
In the software engineering, the software quality testing is act as very important role for the quality of the software product. The existing system is the lack of domain knowledge for the software product quality. We proposed a new system for the full length of domain knowledge for the software product quality. The new system is "Domain Background and Technical Testing Skills". It says looking at the current scenario from the industry it is seen that the testers are expected to have both technical testing skills as well either need to be from the domain background or have gathered domain knowledge by using software quality testing.
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Introduction
Software quality testing
Software Testing is a process used to help identify the correctness, completeness and quality of developed computer software. With that in mind, testing can never completely establish the correctness of computer software Testing is an Investigation and conductivity of quality software process.

Software Testing is the process of evaluation a software item to detect differences between given input and expected output. Also to assess the feature of a software item. Testing assesses the quality of the product. Software testing is a process that should be done during the development process. In other words software testing is a verification and validation process.

Lack of domain knowledge (Existing system)
In the existing system, the lack of domain knowledge for the software product quality. And also

There is no Knowledge for Software Testing.
In this view
i) Time west process
ii) Not get for good result
iii) Do not understand each other's
iv) confusion from time to time

Domain knowledge for domain background and technical testing silles (proposed system)
In the past, testing was only a one dimensional discipline, where anyone with basic testing knowledge can test a product. However, with the specialization of test gaining importance,

there has also been an increase in the need to have testers with knowledge in specific domains.

Below is a list of the benefits of having a person with domain knowledge

1. Productivity

A person with domain knowledge will prove to be productive to the industry as he will be able to understand the problem in-depth and come up with solutions. This will in turn add value to the project and the product by ensuring that it meets the quality standards.

2. A Good User Interface

A profound knowledge on a specific product can improve the look and feel of the product. Furthermore, bugs can be detected at the initial stage of testing rather than at the last stage or when the product is launched.

3. Idea of Back end Processing

A person having domain knowledge will also have idea of the back end processing like data or codes and how they should be handled.

4. Able to differentiate between a trivial and a critical issue

Knowledge about how the application will be used and what are the expectations of the end user will give an idea to Quality Analyst whether a detected issue will either be trivial or critical to the systems functionality

5. Technical Terms

A person with specific domain knowledge will be able to use and explain the issues in the business terminology or technical terms and this in turn will help him build rapport with the business team. For Example, a person with basic knowledge of computer will be able to explain in general terms the defects with the computer. However, an expert hardware engineer will be able to explain in technical terms the problems with the computer.

6. Better understanding of issues

It is better to hire an experienced professional rather than someone who is just out from college. An experienced professional will have immense knowledge about the domain and testing experience and in turn they will be able to understand better the various issues and further they will be able to bring out a better product. The below figure says, The Professionals will have knowledge about domain and Testing
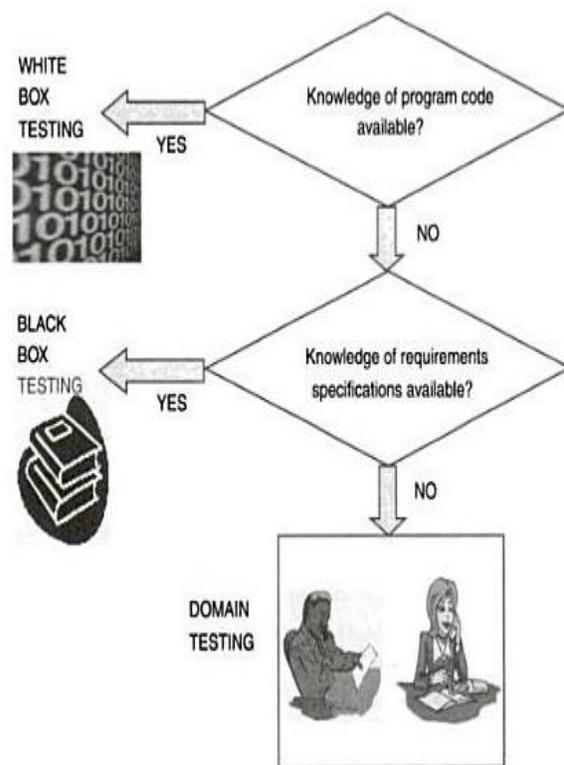

Figure 1: Domain Knowledge of White Box Testing and Black Box Testing.

Generally, we must know domain knowledge to prepare the Software Quality Product. In the above Fig. 1 the Knowledge of Program Code is available, then that is called White Box Testing. Otherwise, the Knowledge of requirements specifications are available, then that is called Black Box Testing, Otherwise Domain Testing

Conclusion

In this Paper, the existing system is the lack of domain knowledge for the software product quality. We proposed a new system for the full length of domain knowledge for the software product quality. The new system is **"Domain Knowledge for Domain Background and Technical Testing Skills"** We know the domain knowledge by using software quality testing. It says we must know domain knowledge from the industry and domain knowledge for software product quality it is seen that the testers are expected to have both testing skills as well either need to be from the domain background or have gathered domain knowledge by using software quality testing

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