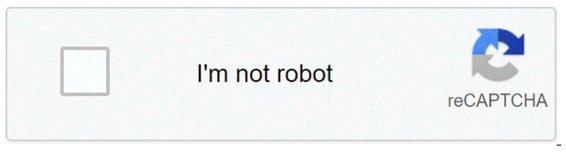

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Software quality assurance

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Everyone underlines the importance of quality assurance in the development process, but do you really understand what it hides behind these letters to Qaa? What is the quality assurance as such? Some software development company customers imagine a young man sitting in front of a computer simply by simply clicking on a ready piece of software (whether it is a simple site or a complex logistics management system) to verify that Each button works correctly. Thata S Why some customers don¡ ¢ t until you want to pay for a quality assurance engineer. Instead, they insist, the I was going to test it by MyselfÃ ¢. But what if I told you qa is much more than just one click inexperienced by an application? Quality assurance is a complex process that involves several professionals with different knowledge and isnamic limited to software ready just testing. Quality warranty work begins long before the actual coding process and donura t after the product is launched in the market. Qa is the key to a high quality product, so donable to neglect it. Instead, stick to these best quality assurance practices to ensure that you do most of this process! Quality assurance techniques and best practices: 1. Involve the QA team starting with the discovery phase in most cases, the QA team enters the game only after some functionalities is developed and needs Be tested. As a result, testers report a lot of errors that could have been avoided with proper planning. But, ITA is a good idea to engage a team of various professionals in the discovery phase. In this way, everyone has the chance to improve the development plan of their permanent perspective. A Sprints and Budget Plans Project Manager, a developer offers more efficient technical solutions, a designer brings new ideas on the user's experience and current trends in the user interface, and finally a Quality Assurance Engineer presents a more complex view of the development process based on its experiment in testing several applications. It can predict and prevent certain problems in using applications or problems with integration and compatibility of different services, etc. Change anything in the conception or technique implementation in the planning phase of painful isnÃ ¢ t. But when problems are discovered in the product ready, the changes may end up costing a little. By participating in project discussion and planning, a QA team can better understand the scope of the project and predict and reduce possible risks. The results of this phase are detailed requirements and an exact script for the entire development team on how the scope of the project will be achieved. 2. Plan and record your test process Ã € Sometimes it seems that the planning of the test process is a complete waste of time. The QA team may think that they can quickly test the functionality of a producta s and an intuitive or moving interface. But even so, planning is one of the main best quality control practices, especially when it comes to complex projects. The quality control process should begin with the writing of test documentation. This documentation is often a list of what requires tests. The document also lists the necessary tools to perform the appropriate tests, required devices and environments and acceptance criteria that define whether the corresponding final product with initial customer ¢ s meta. Suitable planning allows the QA engineer to prepare for the test process. Discovering that some testing device is missing in the beginning of a test means automatically that a test failed. If this happens, you will have to wait until the required device is (which can take several days). Meanwhile, the number of non-tested resources and bugs grows. Later, the QA engineer can check the tests he finished and maintain control over the process. Test documentation is also very useful for new members to join the team. They can quickly jump into the quality assurance process. 3. Development Development-oriented Test-Driven is a type of Software Aging Development Methodology Become one of the main main extreme programming. To achieve the highest quality product, extreme programming values frequent releases in short development cycles, extensive code revision (often achieved through pair programming) and unity tests that cover the entire code. But, the development driven by the test is also used as a separate approach to producing the highest quality code in the shortest time. Add or change the functionality begins to write a test that covers the desired change. After that, the switch is written to pass the initial test. It is considered a good practice when a developer writes tests for his own cord. When it does this, it understands the requirements for a new functionality and develops it to pass the test. So let's dissipate the myth: the software test begins before the real programming. If the test occurs after schedule, a developer is attracted to writing the test to adjust the existing code, do not vice versa. And our team sticks to the TDD in all projects. Do you want your application to be developed by professionals? Contact us 4. Compulsory review of the code for each resource according to the quality assurance methods, the development of each new resource should begin in a single branch. This approach allows you to follow changes and test them locally. In addition, the development team can use these comments to ensure that everything works as should without breaking the prompt functionality. When the resource is programmed, he must go through a compulsory code revision performed by another member of a team. The Code Revision has a clear goal: finding any weaknesses that may have been neglected during the initial development to improve the general quality of the codigo. Involving someone to check your code does not mean that you are questioning your experience and skills. A vision from another perspective is BenÃ ©. It allows you to discover rough weaknesses committed in the code while concentrating on solving an important problem. In addition, this approach will allow your company to develop and will adhere to your exclusive coding pattern. As a result, the code becomes well structured and understandable for all team members. 5. Do not neglect the integration test a resource can be tested in isolation and works perfectly, but after mixing it with the rest of the product, it can break everything. This is why the integration tests are something you should never neglect. It is also important to perform environmental tests. A feature can work perfectly in the test environment, but small or large bugs may appear when moving to production. The integration test is especially valuable when two separate teams are working on the development of Frontend and Backend. Sometimes putting these parts together results in an error. The reason for this error can be much smaller and totally unpredictable. For example, different date formats used â € â €

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