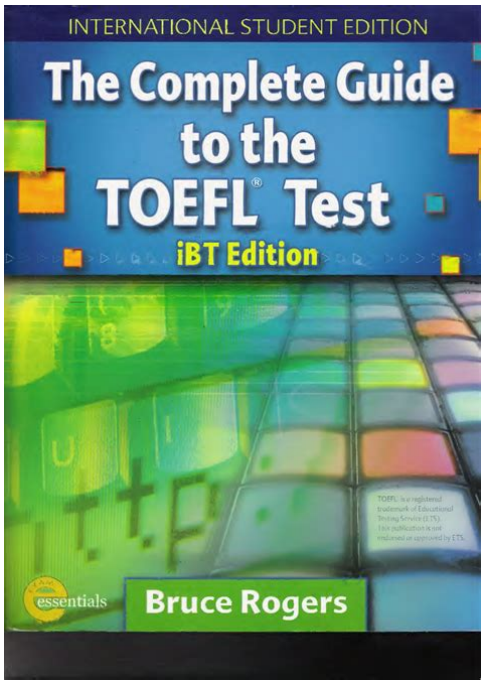

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Book Descriptions:

complete manual testing

The purpose of Manual Testing is to identify the bugs, issues, and defects in the software application. Manual software testing is the most primitive technique of all testing types and it helps to find critical bugs in the software application. Any new application must be manually tested before its testing can be automated. Manual Software Testing requires more effort but is necessary to check automation feasibility. Manual Testing concepts does not require knowledge of any testing tool. This makes Manual Testing imperative. In this Manual Testing tutorial for beginners, we cover all manual testing concepts and topics in detail. Click here if the video is not accessible Goal of Manual Testing The key concept of manual testing is to ensure that the application is error free and it is working in conformance to the specified functional requirements. Test Suites or cases, are designed during the testing phase and should have 100% test coverage. It also makes sure that reported defects are fixed by developers and retesting has been performed by testers on the fixed defects. Basically, this testing checks the quality of the system and delivers bugfree product to the customer. Types of Manual Testing Manual Testing Concepts Below given diagram depicts Manual Testing Types. In fact, any type of software testing type can be executed both manually as well using an automation tool. Also, study the Application Under Test AUT if available. Draft Test cases that cover all the requirements mentioned in the documentation. Review and baseline the test cases with Team Lead, Client as applicable Execute the test cases on the AUT Report bugs. Once bugs are fixed, again execute the failing test cases to verify they pass. Myths of Manual Testing Following are few common myths and facts related to testing Myth Anyone can do manual testing Fact Testing requires many skill sets Myth Testing ensures 100% Defect free product Fact Testing attempts to find as many defects as possible.http://www.accshop.nl/userfiles/72-inch-manual-screen.xml

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Identifying all possible defects is impossible. Myth Automated testing is more powerful than manual testing Fact 100% test automation cannot be done. Manual Software Testing is also essential. Myth Testing is easy Fact Testing can be extremely challenging. Testing an application for possible use cases with minimum test cases requires high analytical skills. Manual Testing vs Automation Testing Manual Testing Automated Testing Manual testing requires human intervention for test execution. Automation Testing saves time, cost and manpower. Once recorded, its easier to run an automated test suite Any type of application can be tested manually, certain testing types like adhoc and monkey testing are more suited for manual execution. Automated testing is recommended only for stable systems and is mostly used for Regression Testing Manual testing can become repetitive and boring. The boring part of executing same test cases time and again is handled by automation software in Automation Testing. Manual testing is a vital part of userfriendly software development because humans are involved in testing software applications and endusers are also humans. They need to think and act with an End User perspective. Read more Software Testing What is Soak Testing. Definition, Meaning, Examples What is Soak Testing. SOAK TESTING is a type of non functional testing that measures a system’s. Read more Software Testing Levels of Testing in Software Testing What are the levels of testing. Tests are grouped together based on where they are added in SDLC. Read more Defect Tools MANTIS Bug Tracker Tutorial For Beginners What is

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API testing Test Case vs Test Scenario Software Testing Type Black Box Testing Alpha Beta Testing Functional Testing UAT Testing REST API Manually REST Client Testing REST Assured Security Testing GUI Testing Testing Methodology End to End Testing Exploratory Testing System Integration Testing Mutation Testing Test coverage Testing Usability Testing Adhoc Testing Protocol Testing Keyword Driven Testing Cloud Testing Risk Based Testing Backend Testing Cookie Testing Smoke Testing Grey Box Testing ModelBased Testing Accessibility Testing Quality Assurance Pilot Testing Orthogonal Array Testing Quality Management Plan Template SOA Testing Alpha Testing Penetration Testing Compatibility Testing Fuzz Testing Localization Testing Interface Testing Vulnerability Testing Configuration Testing Application Testing Negative Testing Interoperability Testing Conformance Testing Loop Testing Component Testing Dynamic Testing Parallel Testing Operational Testing Module Testing Workflow Testing Storage Testing Recovery Testing Concurrency Testing Thread Testing Destructive Testing What is Continuous Testing. This tutorial is helpful for beginners to advanced level users to learn software testing concepts with practical examples. Why This Manual Testing Tutorial. This Software Testing Tutorial covers right from basics to advanced test concepts. Basic computer knowledge Interest to learn Software Testing Who is the targeted audience of this Software Testing Tutorial. Anyone who has the interest to learn Software Testing. Check the below playlist to watch the complete Testing Tutorial. I don’t say you will get a salary hike if you finish this certification but its always good to have certification in career development. How To Prepare for ISTQB Exam ISTQB Quiz Software Testing Tools Manual testing does not mean that the software testers won’t use any tool in the process of testing.

There are several tools available in the market which helps Software QA’s to test an application in an efficient manner. Best Test Management Tools Best Defect Tracking Tools Best Automation Testing Tools Best Regression Testing Tools Best Cross Browser Testing Tools Best Unit Testing Tools Best Functional Testing Tools Best Web Application Testing Tools Best API Testing Tools Best Performance Testing Tools Best Penetration Testing Tools Best Open Source Security Testing Tools Best Service Virtualization Tools Before concluding, download a sample resume and modify as per your needs Resume Sample Resume for Software Testers If you want us to cover any other topic, please comment below. Finally, Happy Testing. TestNG Tutorial VBScript Tutorial SQL Tutorial Java Tutorial Sharing is caring. Facebook Twitter LinkedIn WhatsApp More Get our latest blog posts delivered to your inbox Subscribe and get popular blog posts about software testing industry. He has an extensive experience in the field of Software Testing. He writes here about Software Testing

which includes both Manual and Automation Testing. He loves to be with his wife and cute little kid Freedom. I am glad you like it. Welcome to Software Testing Material prallad kulkarni October 20, 2017. It's not typo. Anyway thanks. Keep visiting. venu December 21, 2017 Take whatsapp, or fb chaitri February 21, 2018. The way you presented each concept is crystal clear. Thanks again for such a great effort Rajkumar February 21, 2018. I am glad you liked it. Srikanth March 7, 2018. We will post ASAP kalpana May 25, 2018 I want to start from the beginning to end where can I start which video it's going to help me could you please guide me. Thanks, Kalpana Rajkumar June 27, 2018. It will be helpful. Purvi May 24, 2019. Thanks great effort. All topics are explained in easy way. Thanks, Purvi Krishna May 27, 2019 Rajan Rana July 12, 2020. Thanks Rajkumar July 15, 2020.

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Software testing is a process of verifying and validating the functionality of an application to find whether it satisfies the specified requirements. It is the process of finding defects in an application and check where the application functions according to the end users requirements. What is Manual Testing. Manual Testing is a process in which you compare the behavior of a developed piece of code software, module, API, feature, etc. against the expected behavior Requirements. What You Will Learn List of Manual Software Testing Tutorials Introduction to Manual Software Testing Why Manual Testing is Required. How Automation Compliments Manual Testing. Conclusion Recommended Reading List of Manual Software Testing Tutorials This is the most indepth series of tutorials on Software Testing. Go through the topics mentioned in this series carefully to learn the basic and advanced testing techniques. This series of tutorials would enrich your knowledge and will, in turn, enhance your testing skills. And how will you know what is the expected behavior. You will know it by reading or listening to the requirements carefully and understanding it completely. Remember, understanding the requirements completely is very very important. Think yourself as an enduser of what you are going to test. After that, you are not bound, to the software requirement document or words in it anymore. You can then understand the core requirement and not just check the systems behavior against what is written or told but also against your own understanding and against things which are not written or told. At times, it can be a missed requirement incomplete requirement or implicit requirement something which doesnt need separate mention but should be meet, and you need to test for this too. Further, a requirement need not necessarily be a documented one. You can very well have knowledge of the software functionality or you can even guess and then test one step at a time.

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We generally call it adhoc testing or exploratory testing. Approach, tools, and priorities might differ, but the core objective remains the SAME and it is SIMPLE i.e. comparing the actual behavior with the expected behavior. Skills can be learned, but you will become a successful tester only when you have a few qualities within you by default. When I say testing skills can be learned, I mean focused and formal education around the software testing process. But what are the qualities of a successful tester. It will help you compare your characteristics against the ones that are expected in the Software Testers role. For those who dont have time to go through the article, here is a synopsis "Your curiosity, attentiveness, discipline, logical thinking, passion for work and ability to dissect things matters a lot to be a Destructive and Successful Tester. It worked for me and I strongly believe that it will work for you as well. If you have these qualities already, then indeed it got to work for you too." We have talked about the core prerequisites of becoming a software tester. Now lets understand why Manual Testing has and would always have its independent existence with or without Automation Testing growth. Why Manual Testing is Required. Do you know what is the best thing about being a Tester, that too a Manual Tester. It is the fact that you can't depend only on skillset here. This is something you can't really buy for few bucks. You yourself have to work on it. You will have to develop the habit of asking questions and you will have to ask them every minute

when you are testing. Most of the times you should be asking these questions to yourself than to others. I hope that you have gone through the article that I recommended in the previous section i.e the qualities of highly effective testers.

If yes, then you would know that testing is considered a thought process and how successful you will be as a tester completely depends on the qualities that you possess as a person. Let's see this simple flow You do something perform actions while you observe it with some intent comparing against the expected. Now your observation skills and discipline to perform things comes into the picture here. Voila! What was that You noticed something. You noticed it because you were giving perfect attention to the details in front of you. You won't let it go because you are curious. But now you are doing it. You can let it go. But You shouldn't let it go. You are happy, you found out the cause, the steps, and the scenario. Now you will communicate this properly and constructively to the development team and the other stakeholders in your team. You might do it via some defect tracking tool or verbally, but you got to make sure that you are communicating it constructively. Oops! What if I do it that way. What if I enter proper integer as input but with leading white spaces. The diagram given below represents the Life of a Tester Read those four bullet points mentioned above once again. Did you notice that I kept it very short but still highlighted the richest part of being a manual tester. And did you noticed the bold highlighting over a few words. Those are precisely the most important qualities that a manual tester needs. Now, do you really think that these acts can be completely replaced by anything else. In SDLC with any development methodology, few things always remain constant. You will then execute those test cases or directly automate them I know a few companies do it. When you automate it, your focus is steady, which is automating the steps written. Let's go back to the formal part i.e. executing the test cases written manually. Here, you not only focus on executing the written test cases, but you also perform a lot of exploratory testing while doing so.

Remember, you are curious. And you will imagine. And you won't be able to resist, you will indeed do what you imagined. The image given below depicts how Test Case writing is simplified I am filling up a form, and Im done with filling the first field. I am too lazy to go for the mouse to shift focus to the next field. I am done with filling up the next and last field too, now I need to click on the Submit button, the focus is still on the last field. Let me check what happened. OR there is a submit button, I am gonna double click it. Not satisfied. I click it multiple times, too fast. Did you notice There are so many possible user actions, both intended and nonintended ones. You won't succeed in writing all the test cases which cover your application under test 100%. This has to happen in an exploratory way. You will go on adding your new test cases as you test the application. These will be test cases for bugs that you encountered for which previously there was no test case written. Or, while you are testing, something triggered your thought process and you got a few more test cases which you will like to add to your test case suite and execute. Even after all this, there is no guaranty that there are no hidden bugs. Software with zero bugs is a Myth. You can only target to take it close to Zero but that just can't happen without a human mind continuously targeting the same, similar to but not limited to the example process we saw above. At least as of today, there is no software that will think like a human mind, observe like a human eye, ask questions and answer like a human and then perform intended and nonintended actions. Even if such a thing happens, whose mind, thoughts and eye will it mimic. Yours or mine We, humans, are also not the same right. We all are different. This sentence speaks a lot about where manual QA testing stands with Automation testing around.

Many big names across the globe have written and spoke about this topic, so I won't stress much on this. Automation can't replace Human Testing because It demands the runtime judgments about everything that happens in front of your eyes while you test and in few cases behind the scenes too. It demands clear and constant observation. It demands questioning. It demands an investigation. It demands reasoning. It demands unplanned actions as required while testing. This tool again has to

be like all possible humans. So in short, human testing can't be replaced. Maybe some Hollywood scifi flick in a few years will look close to it, but in real life, I can't see it coming for a few hundred years, that I can imagine. I won't write it off forever as I believe in endless possibilities. On a separate note, even if it really happens after a few hundred years, the picture I can imagine is that of a scary world for sure. Age of Transformers. How Automation Compliments Manual Testing. I said before and Im saying it again that Automation can't be ignored anymore. In the world where continuous integration, continuous delivery, and continuous deployment are becoming mandatory things, continuous testing can't sit idle. We have to find out ways on how to do it. Most of the time, deploying more and more workforce doesn't help in the long run for this task. Continuous in this context means more and more often, faster than yesterday. While in meaning, it can very well mean every second or Nanosecond. Without having a perfect match of Human Testers and automated checks tests with precise steps, expected result and exit criteria of said test documented, achieving Continuous Testing is very difficult and this, in turn, will make continuous integration, continuous delivery and continuous deployment more difficult. I purposely used the term exit criteria of a test above. Our automation suits can't be similar to the traditional ones anymore.

We have to make sure that if they fail, they should fail fast. And for making them fail fast, exit criteria too should be automated. Example Let's say, there is a blocker defect wherein, I am unable to login to Facebook. Login functionality then has to be your first automated check and your automation suite should not run the next check where login is a prerequisite, like posting a status. You very well know it is bound to fail. So make it fail faster, publish the results faster so that the defect can be resolved faster. Select test cases which if automated will benefit considerably to Human Testers and has a good Return on Investment. For that matter, there is a general rule which says that you should try to automate all your Priority 1 test cases and if possible then Priority 2. Automation is not easy to implement and is timeconsuming, so it is advised to avoid automating low priority cases at least till the time you are done with the high ones. Selecting what to automate and focusing on it improves the application quality when used and maintained continuously. Accepting the importance of QA Manual Testing and knowing why it is special, is the very first step towards being an excellent manual tester. In our upcoming manual testing tutorials, we will cover a generic approach for doing Manual Testing, how it will coexist with Automation and many other important aspects as well. Im sure that you will gain immense knowledge of Software Testing once you go through the entire list of tutorials in this series. We would love to hear from you. I just give sample as per my knowledge. Reply Deepak Gupta February 23, 2017 at 1105 am Thanks Vijay. I agree with Naga Sekhar that one technical knowledge should be here along with manual function testing. But expecting a blog of steps for manual tester to learn Automation without any knowledge of any language.

Reply roger richardson February 23, 2017 at 325 pm As a manual tester in the age of automation I'm hitting a brick wall in the work search. Automation has it's place but it only looks where you tell it. If I'm doing a functional test opening a screen and half the screen turns blue or audio starts screeching I know it's an issue. If the automation is looking for the page to come up without looking for these other issues it would pas. I'm an old hand tester having been in the industry since 1990. Wish you luck. Agree with what you said. Reply pallavi February 23, 2017 at 523 pm Yes I think that,as we came to know actual defects with ui Reply Test February 23, 2017 at 648 pm You are not a manual tester, unless you are testing manuals. You are a tester. You DO use tools. You may not be writing automated checks. Micheal bolton Reply sudhakar J February 26, 2017 at 222 am Nice way to put or describe the importance of Manual Testing. I have about 15 years of experience in Testing both manual and automation. I can strongly say from my heart, I always found complex high priority bugs using manual testing. Automation testing will help to save your schedule by burning the normal test cases quickly, so the remaining time can spend on finding quality bugs by applying all the qualities mentioned here. This is what I'm doing in all these years in industry and it earned me lot of

respect from others and quick identification for me whichever project I land. So I will again reiterate there is no replacement for manual testing fully. And yes I agree that both Human Testing and Automation will co exist always. Reply sahi kumar March 19, 2017 at 357 pm Thanks to share your experience Sir. Reply KangKong February 27, 2017 at 609 am Thanks. This one's a good read. Manual testing requires us to be creative in creating test cases to make sure we cover as much scenarios as possible.

It also allows us to better understand the application, software, API, or feature and enhance our technical skills as well. Automation on the other hand is equally important to save us time doing manual and repetitive tests. Although automation is the current trend, it can never replace manual testing. Reply Gaurav Khurana March 2, 2017 at 623 am Thanks for sharing your view. Last 34 paragraphs are really very interesting. But these days most of the companies have jobs more and more in automation testing even if we know most of the work is done manually in most of the companies. Reply Priti visaji March 2, 2017 at 505 pm Great article.Especially the Qualities of highly effective testers para.Reply SUNITA RAI August 7, 2017 at 819 am I WANT TO STUDY SOFTWARE TESTING, CAN YOU SUGGEST FEW GOOD INSTITUTE. Reply Vijay STH Founder August 9, 2017 at 1252 pm Reply Alex September 25, 2017 at 728 am "Automated testing" is usually just a bunch of scripts running continuously doing regression checks. It's not like replacing manual labour in manufacturing, where the term "automation" probably comes from. You really haven't automated anything. But it's understandable why sales agents likes the term. Reply SURAJ October 12, 2017 at 151 pm Yes I think that,as we came to know actual defects with ui Reply yesh p April 4, 2018 at 557 am I need some guidance on this course. Actually I am design engineer with 8 yrs of experience in machine design and after that 5 yrs of break. Can I join this course and change my field. Reply John D July 16, 2018 at 1124 am Much appreciated. This current one's a decent perused. Manual testing expects us to be inventive in making experiments to ensure we cover however much situations as could reasonably be expected. It likewise enables us to better comprehend the application, programming, API, or highlight and upgrade our specialized abilities too. Computerization then again is similarly vital to spare us time doing manual and tedious tests.

Reply sekar July 25, 2018 at 232 pm In the below link SDLC phases are provided instead of STLC or provided one is correct. Reply Jyoti Shirole October 17, 2018 at 1054 am Very much useful article for me as I am an Electrical Engineer and working in the Software company by holding the position of Software Tester. I am the one who not had deep knowledge of Computer field. But I planned to do some courses for software languages which will be useful to me to be a Great Tester. Reply Mohit October 25, 2018 at 1100 am I Love you STH Reply Rohit Purandare August 2, 2019 at 646 am Hi, After clicking on the "Gamma Testing" under Software Testing Types, It shows only the image of Gamma Testing and not the content. Reply mithaharish August 29, 2019 at 846 am The content is very useful to us and gathering for more knowledge in the domain.Reply hitekschool 31 January 3, 2020 at 614 am Best place for software testing course online, Providing software testing tools, courses, certification, tutorials online.Reply Leave a Comment Cancel reply Comment Name Email About SoftwareTestingHelp Helping our community since 2006. You will absolutely love our tutorials on Software Testing, Development, Software Reviews and much more. All test cases executed by the tester manually according to the end users perspective. It ensures whether the application is working, as mentioned in the requirement document or not. Test cases are planned and implemented to complete almost 100 percent of the software application. Test case reports are also generated manually. The difference between expected output and output, given by the software, is defined as a defect. The developer fixed the defects and handed it to the tester for retesting. This testing requires great efforts and time, but it gives the surety of bugfree software. Manual Testing requires knowledge of manual testing techniques but not of any automated testing tool. Each technique is used according to its testing criteria.

Types of manual testing are given below Since the code is visible for the Developer during the testing, thats why it is also known as White box testing. In this, the code is not visible while performing the testing; thats why it is known as blackbox testing. It can be performed by a person who knew both coding and testing. And if the single person performs white box, as well as blackbox testing for the application, is known as Gray box testing. Once we got some output, the output goes in the zip file, which is known as Build application or software.Each Build will have some unique number like B001, B002. After that, the test engineer will access this test server with the help of the Test URL and start testing the application. After compilation, if the file size will increase, so we will compress that particular file and dumped into the test server. And it consists of some set of features and bug fixes that are handed over to the test engineer for testing purposes until it becomes stable. And the test engineer is decided, which bug should be fixed first according to their needs because the test engineers cannot afford to stop testing. Each new Build is the modified version of the old one, and these modifications could be the bug fixes or adding some new features. There is no evidence that they have covered all functions or not. Need to develop separate test cases for each new software. Some of the tools are opensource, and some are commercial. Developed by JavaTpoint. It requires a tester to play the role of an end user whereby they use most of the applications features to ensure correct behavior. To guarantee completeness of testing, the tester often follows a written test plan that leads them through a set of important test cases.