

register to write nbt test Ebook

register to write nbt test is a crucial step for students and candidates aspiring to access higher education or professional opportunities in many countries, particularly in regions where the National Benchmark Tests (NBT) are a mandatory component of the admissions process. The NBT serves as an essential assessment tool designed to evaluate a student's academic readiness for university-level education, focusing on skills in literacy, numeracy, and academic potential. Understanding how to register for the NBT test, the registration process, requirements, and preparation strategies can significantly influence a candidate's success and future academic pathways.

Understanding the NBT Test

What is the NBT Test?

The National Benchmark Tests (NBT) are standardized assessments used primarily by universities in South Africa to determine a student's readiness for higher education. The tests aim to:

- Evaluate essential academic skills in language and mathematics.
- Provide universities with a standardized measure to complement matriculation results.
- Identify students who may need additional academic support before university.

Components of the NBT

The NBT typically comprises two main components:

- Academic and Quantitative Literacy (AQL): Assesses reading comprehension, critical thinking, and mathematical reasoning.
- Mathematical Reasoning (MR): Focuses on problem-solving skills, mathematical concepts, and numerical reasoning.

Some institutions may also require an additional section called the Essay or Writing component, although this varies depending on the university.

Why You Need to Register to Write the NBT Test

Registering for the NBT is a mandatory step for applicants aiming to study at participating

universities. It ensures:

- Your participation in the assessment process.
- Your scores are officially recorded and considered during the admissions process.
- Access to the test venues and scheduling.

Failing to register means missing the opportunity to demonstrate your academic potential, which could limit your chances of admission into your preferred program or university.

How to Register for the NBT Test

Step 1: Check the Registration Dates and Deadlines

Each year, the NBT registration window opens at a specific time. It is essential to:

- Visit the official NBT registration website regularly.
- Note the registration start and end dates.
- Be aware that late registrations are usually not accepted.

Step 2: Create an Account on the Official NBT Website

To begin your registration:

- Access the official NBT registration portal.
- Create a personal account by providing your personal details, such as full name, date of birth, and contact information.
- Verify your email address through the confirmation link sent to your registered email.

Step 3: Complete the Registration Form

Once logged in:

- Fill out the online registration form accurately.
- Select the preferred test date(s) and location(s).
- Choose the specific modules you intend to write, based on your university requirements.

Step 4: Pay the Registration Fee

The registration fee varies from year to year but typically includes:

- A standard fee for the NBT test.
- Additional charges if you opt for extra services, such as late registration or special accommodations.

Payment options often include:

- Credit or debit card payments via the online portal.
- Electronic bank transfers or payments at designated payment centers.

Step 5: Confirm Your Registration

After completing payment:

- Review your registration details.
- Download or print your registration confirmation slip.
- Keep this slip safe, as it contains your unique registration number and test details.

Tips for a Smooth Registration Process

- Start early: Avoid last-minute registration rushes.
- Use reliable internet: Ensure your connection is stable when filling out forms and making payments.
- Double-check information: Incorrect details can delay registration or invalidate your test results.
- Keep documentation: Save copies of your payment receipts and registration confirmation.

Preparing for the NBT Test

Study Tips

Preparing well for the NBT can improve your scores significantly:

- Review past papers and practice questions.
- Focus on reading comprehension, mathematics, and critical thinking.
- Use online resources, study guides, and attend preparatory classes if available.

Test Day Preparation

- Know your test venue and arrive early.
- Bring necessary documents, such as your ID or passport.
- Follow all instructions provided by the test administrators.

Important Considerations

Test Locations and Dates

- The NBT is administered at various testing centers across the country.
- Test dates are scheduled throughout the year, often multiple times to accommodate candidates' schedules.
- Always verify the location and date of your scheduled test.

Special Accommodations

Candidates with disabilities or special needs should request accommodations during registration. This may include:

- Extra time.
- Assistive devices.
- Additional support.

Make these requests early to ensure they are processed in time.

Frequently Asked Questions (FAQs)

- Can I reschedule my NBT test?

Rescheduling policies vary; check the official guidelines. Usually, rescheduling is possible if done within the stipulated timeframe and with applicable fees.

- What if I miss my test date?

Missing your scheduled test typically requires registering for a new date and paying the registration

fee again.

- Are results available immediately?

Results are usually released a few weeks after the test date. Candidates can access scores online through their registration portal.

Conclusion

Registering to write the NBT test is an essential step for students aiming to pursue higher education in institutions that require this assessment. A smooth and timely registration process, coupled with adequate preparation, can enhance your chances of securing admission into your desired program. Remember to stay informed about registration dates, meet all deadlines, and prepare thoroughly to make the most of this opportunity. By following the outlined steps and tips, you can confidently navigate the registration process and set yourself on the path toward academic success.

Register to Write NBT Test: An In-Depth Guide to the National Benchmark Test Registration Process

The register to write NBT test process has become a critical step for prospective university students in South Africa. As higher education institutions increasingly emphasize standardized assessments for admissions, understanding the registration process for the National Benchmark Test (NBT) is essential. This comprehensive review aims to provide prospective test-takers, educators, and academic advisors with detailed insights into the registration procedures, requirements, and strategic considerations associated with the NBT.

Understanding the NBT: A Brief Overview

Before delving into registration specifics, it's important to contextualize the NBT's role in South African higher education.

What is the NBT?

The National Benchmark Test (NBT) is an assessment designed to evaluate the academic readiness of prospective university students, particularly in foundational skills such as literacy, numeracy, and academic thinking. It serves as an additional criterion, complementing matriculation results, for university admissions.

Why is the NBT Important?

- University Admissions: Many universities require NBT scores as part of their selection criteria.
- Placement Purposes: Results help institutions place students in appropriate academic programs.
- Identifying Support Needs: The test identifies areas where students might need academic support.

Why Register for the NBT?

Registering for the NBT is not merely a bureaucratic step; it is a gateway to higher education opportunities. A successful registration allows students to:

- Secure a test date and location.
- Access preparatory materials.
- Ensure their scores are considered during the university application process.

Step-by-Step Guide to Register to Write NBT Test

The registration process for the NBT is designed to be accessible but requires careful attention to detail. Below is an in-depth step-by-step guide.

1. Determine Eligibility and Requirements

Before registration, verify your eligibility:

- Age: Generally, there are no age restrictions.
- Application Timeline: Check university application deadlines, as some institutions specify NBT registration deadlines.
- Residency: International students may have different registration procedures.

Required Documents and Information:

- Valid South African ID or passport.
- Contact details (email, phone number).
- Preferred test date and location.

2. Create an Account on the Official NBT Portal

The official portal for NBT registration is managed by the Higher Education and Training

Department's testing service.

Steps:

- Visit the official NBT registration website (e.g., <https://www.nbt.ac.za>).
- Click on "Register" or "Create an Account."
- Fill in personal details: full name, ID number, contact details.
- Choose a username and password.
- Confirm registration via email or SMS.

Tip: Keep your login credentials secure for future access and score retrieval.

3. Complete the Registration Form

Once logged in:

- Select the type of test you intend to write (e.g., NBT Literacy, NBT Mathematics, or both).
- Provide additional details such as preferred test dates and locations.
- Indicate the university or program you are applying to, if applicable.

4. Pay the Registration Fee

The NBT registration fee varies annually and depending on the test combination.

Payment Methods:

- Bank deposit.
- Electronic fund transfer.
- In some cases, online payment via credit/debit cards.

Important:

- Use your student number or ID as a reference.
- Keep proof of payment for verification.

5. Select Test Date and Location

- Available test dates are published based on the academic calendar.
- Test centers are typically located at universities, assessment centers, or approved venues nationwide.
- Popular centers include major universities and designated testing facilities.

Tips:

- Register early to secure your preferred date and location.
- Confirm the test date and venue after registration.

6. Receive Confirmation and Admission Ticket

- Once registration and payment are complete, you'll receive an email confirmation.
- An admission ticket (or booking confirmation) will be issued, which must be printed and brought on the test day.
- Review the details carefully for accuracy.

Important Considerations During Registration

Registration Deadlines

- Always check the official NBT calendar for registration closing dates.
- Late registrations are often not accepted, so plan ahead.

Registration Fees

- Keep in mind the fee structure for budgeting purposes.
- Fee waivers are generally not available; however, some institutions may offer support for financially needy students.

Multiple Test Attempts

- The NBT can be written more than once; check the policies of your intended university.
- Some universities accept the best scores or average scores.

Strategic Tips for Successful NBT Registration

- Start early: Avoid last-minute registration rushes.
- Verify details: Double-check all personal and test-related information.
- Prepare documents: Have scanned copies of ID and payment confirmation ready.
- Select suitable dates: Choose test dates with ample preparation time.
- Consult university requirements: Confirm whether your chosen institution requires both tests or specific scores.

Common Challenges and Solutions in the Registration Process

Technical Difficulties

- Solution: Use a reliable internet connection; clear browser cache; try different browsers if needed.

Payment Issues

- Solution: Confirm bank details; contact your bank if payment is not reflected; keep proof of transaction.

Unavailability of Preferred Test Dates

- Solution: Register early; consider alternative dates and locations.

Lack of Information or Confusion

- Solution: Contact the NBT helpdesk or university admissions office for clarification.

Post-Registration: Preparing for the Test

Registering is just the first step. To maximize your chances of success:

- Access official practice tests and sample questions.
- Review foundational skills in literacy and numeracy.
- Attend preparatory courses if possible.
- Familiarize yourself with the test format and time constraints.

Conclusion: Navigating the Registration for Optimal Outcomes

The process to register to write NBT test is straightforward but requires diligence and strategic planning. By understanding each step—from eligibility to payment, to choosing test dates—prospective students can ensure they meet all requirements without unnecessary stress. Early registration not only secures preferred dates and venues but also provides ample time for preparation.

The NBT serves as a vital component of the university admissions process in South Africa, and proper registration is the first step toward academic achievement. As competition intensifies and institutions place greater emphasis on standardized assessment results, being well-informed and prepared can make a significant difference in a student's higher education journey.

Final Tips:

- Regularly check the official NBT website for updates.
- Keep copies of all registration documents.
- Seek assistance promptly if facing registration challenges.
- Use available resources to prepare effectively for the test.

Registering to write the NBT is an investment in your academic future. Approach the process with careful planning and proactive steps, and you'll be well on your way to achieving your higher education goals.

Question How do I register for the NBT test? To register for the NBT test, visit the official NBT registration portal, create an account, fill in your personal details, select your preferred test date and location, and pay the registration fee online. **What are the registration deadlines for the NBT test?** Registration deadlines vary each year, but generally, you should register at least 4-6 weeks before your intended test date. Check the official NBT website for specific deadlines for the upcoming test cycle. **What documents are required to register for the NBT test?** You will typically need a valid identification document (such as a passport or national ID), proof of payment for the registration fee, and any previous examination results if applicable. Always confirm the specific requirements on the official registration portal. **Can I register for the NBT test online?** Yes, the NBT registration process is primarily online. You can register through the official NBT website, which provides step-by-step instructions for completing your registration securely. **Is there an age limit to register for the NBT test?** There is no strict age limit to register for the NBT test. It is open to all prospective students who need the test for university admissions, regardless of age. **How can I confirm my registration for the NBT test?** After completing your registration and payment, you will receive a confirmation email or SMS. You can also log into your account on the official NBT portal to verify your registration status and print your test admission ticket.

Related keywords: NBT test registration, write NBT test, NBT exam registration, register for NBT, NBT assessment signup, NBT test booking, NBT test application, NBT registration process, NBT test schedule, NBT test preparation

MICROSOFT TEST MANAGER TUTORIAL

Microsoft Test Manager Tutorial: A Comprehensive Guide to Efficient Test Management

In the world of software development, ensuring the quality and reliability of your applications is paramount. Microsoft Test Manager (MTM) is a powerful tool designed to streamline the testing process, enabling teams to plan, execute, and track testing efforts with ease. Whether you're a beginner or looking to enhance your testing workflows, this **Microsoft Test Manager tutorial** will provide you with a step-by-step guide to harnessing MTM's full potential for your projects.

Understanding Microsoft Test Manager

Before diving into the tutorial, it's essential to grasp what Microsoft Test Manager is and how it integrates into the broader Visual Studio ecosystem.

What is Microsoft Test Manager?

Microsoft Test Manager is a test management tool integrated with Visual Studio Team Services (VSTS) and Azure DevOps. It provides an intuitive interface for managing test plans, creating and executing test cases, and tracking testing progress. MTM supports both manual and exploratory testing, making it versatile for various testing scenarios.

Key Features of Microsoft Test Manager

- Test Planning: Create and organize test plans, test suites, and test cases.
- Test Execution: Execute manual tests and record results efficiently.
- Test Tracking: Monitor testing progress and generate detailed reports.
- Exploratory Testing: Conduct ad-hoc testing sessions with session-based testing capabilities.
- Integration: Seamlessly connects with Azure DevOps for continuous testing workflows.

Setting Up Microsoft Test Manager

Getting started with MTM involves installing and configuring the tool for your environment.

Prerequisites

- Visual Studio Enterprise or Professional edition (with test management features).
- Azure DevOps account or TFS (Team Foundation Server) setup.
- Appropriate permissions to access test management features.

Installing Microsoft Test Manager

- Download the Visual Studio Installer from the official Microsoft website.
- Choose the edition that includes testing tools (e.g., Visual Studio Enterprise).
- During installation, select the "Testing Tools" workload to install MTM.
- Complete the installation and launch Visual Studio.
- Connect to your Azure DevOps project or TFS server within Visual Studio.

Creating and Managing Test Plans

A well-structured test plan is the foundation of successful testing. MTM simplifies organizing your testing efforts through test plans and suites.

Creating a Test Plan

- Open Microsoft Test Manager from Visual Studio or the Azure DevOps portal.
- Navigate to the "Test Plans" section.
- Click "New Test Plan" and provide a descriptive name, description, and start/end dates.
- Associate the test plan with a specific build or release if needed.
- Save the test plan to begin adding test cases.

Organizing Test Suites

Test suites help categorize test cases based on features, modules, or testing strategies.

- **Static Test Suites:** Manually organize test cases into logical groups.
- **Requirement-Based Test Suites:** Link test cases to specific requirements or user stories.
- **Query-Based Test Suites:** Dynamically generate test cases based on queries.

Adding Test Cases

- Within your test suite, click "New Test Case" or import existing cases.
- Define the test case steps, expected results, and associated requirements.
- Assign priority, owner, and other metadata to facilitate management.
- Save the test case to include it in your suite.

Executing Tests with Microsoft Test Manager

Once your test cases are organized, the next step is executing tests and recording results.

Manual Test Execution

- Open the test plan and select the test suite to execute.
- Click "Run" on the test case you wish to execute.
- Follow the test steps as documented, marking each step as "Passed" or "Failed."
- If a test fails, record detailed bug information directly from the test runner.
- Complete the test run, and the results will be saved automatically.

Using Action Recording and Data Collection

MTM allows capturing detailed logs and screenshots during test execution, aiding in defect analysis and reproducibility.

Exploratory Testing

For ad-hoc testing, MTM offers session-based testing:

- Schedule a testing session with session details.
- Conduct testing while documenting observations and findings.
- Record bugs and issues discovered during the session.

Tracking and Reporting Testing Progress

Effective test management requires insight into testing status and quality metrics.

Monitoring Test Results

- Navigate to the "Test Results" section in MTM or Azure DevOps.
- Review individual test case outcomes and overall progress.
- Filter results by tester, status, or test plan for detailed analysis.

Generating Reports

MTM provides various built-in reports to visualize testing status:

- Test Results Summary
- Test Case Progress and Trends
- Bugs and Defects Reports

Integrating with Bug Tracking

During testing, bugs can be logged directly from MTM, linked to specific failed test cases, ensuring traceability and quick resolution.

Advanced Tips and Best Practices

Maximize your testing efficiency with these expert tips:

Automate Repetitive Tests

Integrate MTM with automated testing frameworks like MSTest, NUnit, or Selenium to run automated tests alongside manual efforts.

Maintain Test Cases Regularly

Keep your test cases updated with application changes to ensure relevance and accuracy.

Use Tags and Filters

Leverage tags and filters to quickly locate and execute specific test cases based on criteria like priority, feature, or owner.

Collaborate Effectively

Encourage team collaboration by sharing test plans and results, and conducting regular review meetings to discuss testing progress.

Conclusion

Microsoft Test Manager is an essential tool for teams aiming to implement structured and efficient testing workflows. From creating comprehensive test plans and organizing test suites to executing tests and tracking outcomes, MTM provides a centralized platform that enhances test visibility and quality assurance. By following this **Microsoft Test Manager tutorial**, you can streamline your testing process, improve defect detection, and deliver higher-quality software products. Remember to stay updated with the latest features and best practices to maximize your testing success with MTM.

Microsoft Test Manager tutorial: A Comprehensive Guide to Streamlining Your Testing Process

Microsoft Test Manager (MTM) is a powerful tool integrated within the Azure DevOps suite, designed to facilitate efficient test planning, management, and execution. Whether you are a QA professional, a developer, or a project manager, mastering MTM can significantly enhance your testing workflows, improve defect detection rates, and ensure higher quality software releases. This tutorial aims to provide an in-depth overview of Microsoft Test Manager, guiding you through its features, setup, best practices, and real-world applications.

Introduction to Microsoft Test Manager

Microsoft Test Manager is a dedicated testing management environment that helps teams plan, execute, and track testing activities seamlessly. Originally part of Visual Studio Test Professional, MTM is now integrated within Azure DevOps, offering a unified platform for Agile testing, exploratory testing, and manual test case management.

Key Features of Microsoft Test Manager

- Test Planning: Create and organize test plans, test suites, and test cases.
- Test Execution: Run manual tests, record results, and capture screenshots.
- Test Management: Track defects, manage test configurations, and generate reports.
- Integration: Seamlessly connect with Azure DevOps for continuous integration and automated testing workflows.
- Exploratory Testing: Record exploratory sessions with detailed notes and recordings.

Setting Up Microsoft Test Manager

Before diving into testing, proper setup of MTM is essential.

Prerequisites

- A valid Azure DevOps account with appropriate permissions.
- Installed Visual Studio Test Professional or access via Azure DevOps.
- Access to a test environment or lab machines.

Installation and Configuration

- Download and Install: Download Microsoft Test Manager from the Visual Studio downloads page or via Azure DevOps.
- Connect to Azure DevOps: Launch MTM and connect it to your Azure DevOps project by signing in with your credentials.
- Configure Test Environments: Set up test machines, configurations, and network environments to align with your testing needs.

Tips for Effective Setup

- Organize your test plans hierarchically for easier management.
- Maintain a clear mapping between test environments and real-world configurations.
- Regularly update test artifacts to ensure they reflect current application versions.

Creating and Managing Test Plans

Test planning is the foundation of effective testing.

Creating a Test Plan

- In MTM, navigate to the "Test Plans" section.
- Click "New Test Plan" and provide a descriptive name, start/end dates, and any relevant details.
- Assign ownership and stakeholders.

Organizing Test Suites

- Static Test Suites: Manually added test cases grouped logically.
- Requirement-based Suites: Linked to user stories or requirements for traceability.
- Query-based Suites: Dynamic grouping based on queries.

Best Practices

- Break down large test plans into smaller, manageable suites.
- Link test cases to user stories or bugs for better traceability.
- Regularly review and update test plans to reflect current project scope.

Designing and Managing Test Cases

Creating effective test cases is critical to uncovering defects early.

Writing Test Cases

- Clear, concise steps with expected results.
- Use descriptive titles and tags for easy filtering.
- Include preconditions and postconditions.

Reusing Test Cases

- Modularize test steps for reuse across different test cases.
- Attach relevant documentation, screenshots, or scripts.

Organizing Test Cases

- Group related test cases into shared test suites.
- Use labels and tags for categorization.

Tips for Effective Test Cases

- Prioritize test cases based on risk and impact.
- Keep test cases up-to-date with application changes.
- Incorporate exploratory testing notes within test cases or as separate sessions.

Test Execution and Result Recording

Executing tests efficiently and accurately recording results is vital.

Running Manual Tests

- Select a test case from your test suite.
- Follow each step, observing the actual behavior.
- Record outcomes: Passed, Failed, Blocked, or Not Applicable.
- Capture screenshots or record videos if needed.

Recording Defects

- Link defects directly to failed test cases.
- Provide detailed descriptions, steps to reproduce, and severity.
- Attach logs or screenshots to aid debugging.

Managing Test Runs

- Use test configurations to run multiple test cases under different environments.
- Schedule and assign test runs to team members.
- Monitor real-time progress and results.

Pros and Cons of Test Execution Features

Pros:

- Streamlined process for manual testing.
- Rich media capture for detailed documentation.
- Easy defect linkage and traceability.

Cons:

- Manual process can be time-consuming for large test suites.
- Limited automation capabilities within MTM itself.

Integrating Automated Testing with Microsoft Test Manager

While MTM excels at manual testing, integration with automated testing frameworks enhances overall efficiency.

Integration with Visual Studio Test Automation

- Use Visual Studio Test tools to develop automated test scripts.
- Link automated tests to test cases in MTM.
- Run automated tests as part of continuous integration pipelines.

Benefits of Integration

- Reduces manual effort.
- Ensures consistency between manual and automated testing.
- Facilitates comprehensive test coverage.

Limitations

- Setup can be complex for beginners.
- Requires scripting knowledge for automation.

Reporting and Tracking

Effective reporting provides insights into testing progress and quality metrics.

Built-in Reports

- Test Run Summary
- Test Results Trend
- Defect Status and Age
- Requirements Traceability Matrix

Custom Reports

- Use Azure DevOps Analytics or Power BI for tailored dashboards.
- Export data for external analysis.

Best Practices

- Regularly review reports to identify bottlenecks.
- Use metrics to prioritize testing efforts.
- Maintain up-to-date dashboards for stakeholder visibility.

Best Practices for Using Microsoft Test Manager

- Plan Early: Incorporate testing early in the development lifecycle.
- Maintain Test Artifacts: Keep test cases and plans updated with application changes.
- Leverage Linkages: Connect requirements, test cases, defects, and build versions.
- Automate Where Possible: Use automation to handle repetitive and regression testing.
- Collaborate: Engage team members through shared test plans and results.
- Review Regularly: Conduct test reviews and retrospectives for continuous improvement.

Common Challenges and How to Overcome Them

Challenge: Managing Large Test Suites

Solution: Break down into smaller, manageable suites; use query-based suites for dynamic grouping.

Challenge: Keeping Test Cases Up-to-date

Solution: Establish a review cycle aligned with development sprints; assign ownership.

Challenge: Integration Complexity

Solution: Invest in automation and continuous integration pipelines; use documentation and training.

Challenge: Limited Automation within MTM

Solution: Use external automation tools integrated with Azure DevOps, such as Selenium or Coded UI.

Conclusion

Microsoft Test Manager is a robust tool that, when used effectively, can significantly boost your testing efficiency, coverage, and traceability. Its comprehensive features for test planning, execution, defect management, and reporting make it indispensable for teams adopting Agile and DevOps practices. While there are challenges, especially around automation and managing large test repositories, with proper setup, training, and best practices, MTM can become a cornerstone of your software quality assurance process.

By following this tutorial, you should now have a clear understanding of how to leverage Microsoft Test Manager to streamline your testing operations, improve collaboration, and ultimately deliver

higher quality software to your users. Remember, continuous learning and adaptation are key to maximizing the benefits of MTM in your projects.

Question Answer What are the main features of Microsoft Test Manager (MTM)? Microsoft Test Manager (MTM) provides features such as test planning, manual test execution, test case management, bug tracking integration, and collaboration tools to streamline the testing process within Visual Studio and Azure DevOps. How do I create and organize test plans in Microsoft Test Manager? In MTM, you can create test plans by navigating to the 'Test Plans' hub, clicking 'New Test Plan,' and defining its name and details. You can then add test suites and test cases to organize tests based on requirements, features, or test types for better management. Can I automate tests using Microsoft Test Manager, and how is it integrated with other tools? While MTM primarily supports manual testing, it integrates seamlessly with Visual Studio and Azure DevOps, enabling automation through test scripts and frameworks like MSTest, Selenium, or CodedUI. Automated tests can be linked to test cases for comprehensive test management. What are the best practices for using Microsoft Test Manager effectively? Best practices include maintaining detailed and reusable test cases, organizing tests into logical suites, utilizing shared steps for common actions, integrating with bug tracking, and regularly updating test plans based on project changes to ensure thorough testing coverage. Is Microsoft Test Manager suitable for Agile development environments? Yes, MTM is well-suited for Agile teams as it supports iterative testing, easy integration with Azure DevOps Agile tools, and flexible test planning, allowing teams to adapt testing activities to sprint cycles and continuous delivery workflows.

Related keywords: Microsoft Test Manager, TFS testing, test planning, test case management, automated testing, test execution, bug tracking, test lab management, test reporting, test automation tools

Read the full article online: [Microsoft Test Manager Tutorial](#)