IBM Quality Management Demo

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1.	The modern software factory is an organizational structure that enables teams to collaboratively create and deliver applications and services. It leverages automation to accelerate production. From requirements through deployment, software goes through a structured assembly that integrates and infuses quality practices to ensure fitness, reduce costs, lower risk, and accelerate delivery. To learn more, click the buttons on your screen.
2.	Building quality into your software from inception – rather than solely relying on testing lines of code during function and system testing – is the cornerstone of project success. And today, when it's critical to do more with less, this can mean the difference between surviving and thriving. Focusing on quality as you're defining requirements can help you uncover previously missed requirements and improve the accuracy of requirements already defined. It also helps you determine the right level of detail to include in your requirements – a common challenge. IBM Rational requirements software helps you implement best practices in requirements definition and management. For details, click the Learn More button.
3.	When you discover defects and bugs at the earliest stage of the software lifecycle, it's easier, faster, and most cost-effective to fix them and avoid project delays. IBM Rational Software's architecture, design and construction solutions help you ensure delivery of high-quality software by focusing on quality at the very inception of a project. They help you establish a solid application architecture based on industry recognized best practices; integrate and automate code testing for reliability and performance; and collaborate quickly and effectively when resolving issues so you can deliver a timely, quality solution that meets customers' needs. For details, click the Learn More button.
4.	Ensuring high levels of security is a key component of a sound software quality strategy. Software defects often enable security vulnerabilities, which put organizations at greater risk of security breaches. Recent IBM X-force security research found that over half of all disclosed vulnerabilities in 2008 were caused by insecure Web applications. IBM Rational AppScan detects Web-based software defects and

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	provides clear explanations on how to fix them. It allows you to incorporate security testing into your software quality process, without the need for extensive security expertise. The end result is improved security, lower costs, and higher quality software. For details, click the Learn More button.
5.	As development cycles accelerate and application functionality grows, it can be difficult for quality assurance teams to execute all the tests required to ensure quality before the next build is received. And smaller teams can be particularly challenged with ensuring scalability and system response times. Manual testing simply can't keep up. IBM Rational Software offers solutions that let your teams leverage test automation to validate pre-existing functionality, freeing them to manually validate new application functionality. Test automation also lets your team simulate user transactions to find scalability bottlenecks that might not otherwise surface until the application goes live. For details, click the Learn More button.
6.	In order for quality assurance teams to truly be effective at improving the quality of an application or service, the teams must be integrated into the software development process. They must connect with business analysts to ensure that test plans and test cases are validating the latest requirements; and they must connect with developers to ensure proper scheduling so they can avoid testing functionality before it's complete. IBM Rational Quality Manager provides a central hub for business-driven software quality, allowing your teams to mitigate business risk through collaboration, improve operational efficiency with automation while providing decision makers with the information required to make critical project decisions. For details, click the Learn More button.
7.	You need to build the test environment quickly, refresh it often, and ensure it includes all of the data required for test cases. And you need to protect that data beyond production. Moving all data from a database doesn't make economic or storage sense, but sub-setting the data to fit specific test case needs does. IBM Optim Test Data Management Solution can help you automate test data management so you reduce the amount of data that is propagated across the organization, reducing cost and privacy

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	risks. It can help you speed testing time, increase data quality, and protect data privacy, as well as find defects earlier in the lifecycle. For details, click the Learn More button.
8.	To deliver quality software and services that bring value to your customers, you must integrate project quality planning right into your project plan. IBM Rational Focal Point helps you prioritize the projects and features that your customers value, so you can ensure that what you're executing solves your customers' issues. It helps your teams reduce risk and drive collaborative execution across the lifecycle, with all teams in sync and tracking deliverables. And it helps you measure projects and processes and manage the performance of your teams, so you can maximize stakeholder value and customer satisfaction and continually elevate the level of your software and systems quality. For details, click the Learn More button.
9.	To learn more about the solutions that can help you integrate and infuse quality into all stages of the software delivery lifecycle, explore the resources on your screen.