



Galmont/SQS - USA

Who are we?

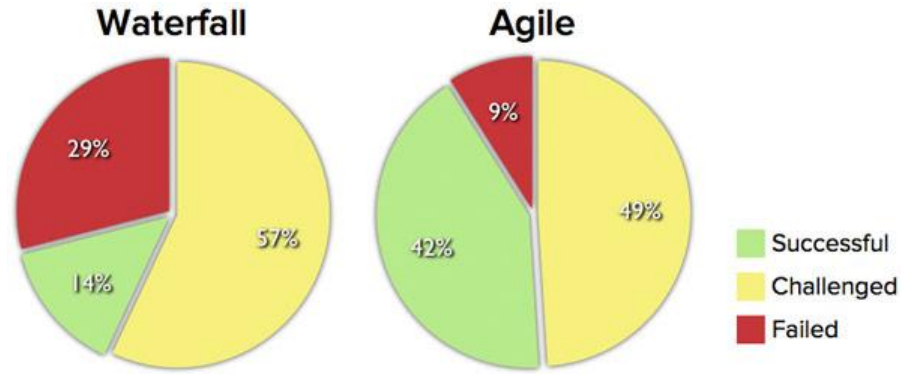
Graham Tucker

Matthew Messer

Development to Testing.

Development Methodologies

- Agile/Scrum
- Waterfall
- Shift-Left



Source: The CHAOS Manifesto, The Standish Group, 2012.

Functional Requirements

- The testing we conduct starts with the Functional Requirements.
- QA Write the Test Cases.
- Tests are Reviewed by QA and BA on both sides, then approved.
- Tests are Executed.
- Defects are logged and Developers are notified.

Types of Testing

- System/Functional
- Regression
- Integration
- Role Based Security
- Load and Performance

Positive & Negative Testing

- Positive Testing - Correct input works the way functional requirements define.
 - Example: User Login Page; Input: Correct User Name and Password, Expected Results: Successful Login. Actual Results: Successful Login
- Negative Testing - Incorrect or invalid input works in a way other than the functional requirements define.
 - Example: User Login Page; Input: Incorrect User Name and Password, Expected Results: Failed Login. Actual Results: Successful Login.

Defect Management

- Log Defects based upon Failed Tests
- Check Functional Requirements to Validate Defect
- List Steps to Recreate Defect
- Assign Defect to a Dev Team Member
- Code Fix Deployment by Dev Team
- Defect Retest to Verify Fix
- Defect Closing

Testing at Galmont

- Manual Testing
- Automation Testing
- Load and Performance Testing

Testing Tools

The background features a series of overlapping, semi-transparent blue geometric shapes, primarily triangles and polygons, in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are positioned on the right side of the slide, creating a modern, abstract design.

HP ALM

HP Application Lifecycle Management 11.00 - Windows Internet Explorer

http://hpalm.ikan.local:8080/qr

HP Application Lifecycle Man...

Application Lifecycle Management

Domain: IKAN, Project: Webpad, User: ikanalm

Logout

< Back Forward > Tools Help

- Dashboard
- Management
- Requirements
- Testing
 - Test Resources
 - Business Components
 - Test Plan
 - Test Lab
 - Defects

Test Sets Test Runs

Test Runs Edit View Analysis

Filter: Exec Date[[ThisYear]]; Sort By: Exec Date[Descending];Exec Time[Descending]

Run...	Run Name	Test...	Configur...	Status	S	D	Exec Date	Exec Time	Host	Tester	Test Set:Name
							[ThisYear]				
30	Run: 23/08/2011 11:04:37	demo	demo	Passed	0	0	23/08/2011	11:04:38	HPALM	ikanalm	demaset
29	Run: 23/08/2011 10:09:44	demo	demo	Passed	0	0	23/08/2011	10:09:45	HPALM	ikanalm	demaset
28	Run: 16/08/2011 12:12:54	demo	demo	Passed	0	0	16/08/2011	12:12:56	HPALM	ikanalm	demaset
27	Run: 16/08/2011 11:52:49	demo	demo	Passed	0	0	16/08/2011	11:52:50	HPALM	ikanalm	demaset
24	Run: 3/08/2011 15:54:54	demo	demo	Passed	0	0	3/08/2011	15:54:55	HPALM	ikanalm	demaset
23	Run: 3/08/2011 11:38:39	demo	demo	Passed	0	0	3/08/2011	11:38:41	HPALM	ikanalm	demaset
22	Run: 1/08/2011 13:01:03	demo	demo	Passed	0	0	1/08/2011	13:01:05	HPALM	ikanalm	demaset
21	Run: 29/07/2011 16:45:51	demo	demo	Passed	0	0	29/07/2011	16:45:53	HPALM	ikanalm	demaset
20	Run: 12/07/2011 16:22:43	demo	demo	Passed	0	0	12/07/2011	16:22:44	HPALM	ikanalm	demaset
19	Run: 12/07/2011 15:14:41	demo	demo	Passed	0	0	12/07/2011	15:14:42	HPALM	ikanalm	demaset
18	Run: 11/07/2011 14:43:02	demo	demo	Passed	0	0	11/07/2011	14:43:04	HPALM	ikanalm	demaset
17	Run: 11/05/2011 17:00:51	demo	demo	Passed	0	0	11/05/2011	17:00:52	HPALM	ikanalm	demaset

Comments Report Attachments History

Add Comment

B I U A ab

TFS - Team Foundation Server

Id	Application	Command	St...	Start Time	Execution...	Identity Name	IP Address	Unique Identifier	User Agent
13732	Lab Manageme...	QueryLabSystemDeploy...	0	5/17/2012 3:34:05...	6725	VSALM\Admin...	fe80::e9c2:441f...	bb754311-dab...	Team Foundation (QTControl
13731	Lab Manageme...	QueryTestMachines	0	5/17/2012 3:34:02...	7271	VSALM\Admin...	fe80::e9c2:441f...	b0128e2e-fead...	Team Foundation (QTControl
13730	Lab Manageme...	QueryLabEnvironments	0	5/17/2012 3:34:02...	14860	VSALM\Admin...	fe80::e9c2:441f...	b0128e2e-fead...	Team Foundation (QTControl
13729	Test Managem...	UpdateControllers	0	5/17/2012 3:34:02...	23856	VSALM\Admin...	fe80::e9c2:441f...	b0128e2e-fead...	Team Foundation (QTControl
13728	Test Managem...	FindController	0	5/17/2012 3:34:02...	5906	VSALM\Admin...	fe80::e9c2:441f...	b0128e2e-fead...	Team Foundation (QTControl
13727	Version Control	QueryItemsExtended	0	5/17/2012 3:33:51...	5745	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13726	Version Control	ReconcileLocalWorkspace	0	5/17/2012 3:33:51...	21419	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13725	Version Control	QueryPendingChangeSig...	0	5/17/2012 3:33:51...	3412	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13724	Version Control	QueryWorkspace	0	5/17/2012 3:33:51...	8683	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13723	Lab Manageme...	QueryLabSystemDeploy...	0	5/17/2012 3:33:35...	10357	VSALM\Admin...	fe80::e9c2:441f...	bb754311-dab...	Team Foundation (QTControl
13722	Version Control	UpdateWorkspace	0	5/17/2012 3:33:26...	71771	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13721	Version Control	QueryPendingChangeSig...	0	5/17/2012 3:33:26...	7979	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13720	Framework	QueryPermissions	0	5/17/2012 3:33:26...	4495	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13719	Version Control	QueryWorkspace	0	5/17/2012 3:33:26...	10727	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13718	Framework	QueryPermissions	0	5/17/2012 3:33:12...	3122	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi
13717	Version Control	QueryWorkspaces	0	5/17/2012 3:33:10...	10917	VSALM\Julia	fe80::e9c2:441f...	88780ff6-c104-...	Team Foundation (devenv.exi

MTM - Microsoft Testing Management

The screenshot displays the Microsoft Testing Management (MTM) interface. The main window is titled "Testing Center" and has tabs for "Plan", "Test", "Track", and "Organize". The "Plan" tab is active, showing a "Contents" view of a "Test Suite".

The "Contents" view is divided into two panes:

- Left Pane (Requirements):** Shows a tree view under "Person Manager -- Sprint 2". Two requirements are listed:
 - 245: User should be able to view current person...
 - 246: User should be able to create a new person...These requirements are highlighted with a red box and labeled "Requirements to be tested".
- Right Pane (Test Cases):** Shows a "Test suite: 245: User should be able to view current person..." (Requirement 245). The suite is in "In progress" state. Below the toolbar is a table of test cases:

ID	Title	Priority	Confi...	Testers	Area Path
247	Verify that current records are visib...	2	1	Benjamin Day	LabMgtResearch20100...
249	Modify an existing person record i...	2	1	Benjamin Day	LabMgtResearch20100...

The table is highlighted with a red box and labeled "Test Cases for the Requirement(s)".

Microsoft SQL Server

The screenshot displays the Aqua Data Studio 15.0.0 interface. The left sidebar shows a tree view of the 'MS_sql_server_2012' database, with 'AdventureWorks2012' expanded to show 'Stored Procedures'. The main window shows a SQL query editor for the procedure '[dbo].[uspGetBillOfMaterials]'. The query is as follows:

```
9  -- components of a level 0 assembly, all level 2 components of a level 1 assembly)
10 -- The CheckDate eliminates any components that are no longer used in the product on th
11 WITH [BOM_cte]([ProductAssemblyID], [ComponentID], [ComponentDesc], [PerAssemblyQty], [
12 AS (
13     SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[Sta
14     FROM [Production].[BillOfMaterials] b
15     INNER JOIN [Production].[Product] p
16     ON b.[ComponentID] = p.[ProductID]
17     WHERE b.[ProductAssemblyID] = @StartProductID
18     AND @CheckDate >= b.[StartDate]
19     AND @CheckDate <= ISNULL(b.[EndDate], @CheckDate)
20     UNION ALL
21     SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[Sta
22     FROM [BOM_cte] cte
23     INNER JOIN [Production].[BillOfMaterials] b
24     ON b.[ProductAssemblyID] = cte.[ComponentID]
25     INNER JOIN [Production].[Product] p
26     ON b.[ComponentID] = p.[ProductID]
27     WHERE @CheckDate >= b.[StartDate]
```

A context menu is open over line 22, with the following options:

- Toggle Breakpoint
- Disable Breakpoint
- Run To Cursor
- Go To Current Line

The status bar at the bottom shows 'Local Database Servers / NextGen Servers / SQL Server / MS_sql_server_2012 / Databases / AdventureWorks2012 / St...' and '61 : 232 : 2,513 MB'.

Automation Testing

- Combination of manual and scripting development
- Most commonly used for Regression testing
- Testing Framework Creation and Management

Automation Tester

- Software Design concepts
- Software development tools
- Team based work
- Vbscript, C#, Java, Javascript, etc

Teamwork Makes the Dream Work

- Everything we do at Galmont is in a team setting.
- Daily/Weekly Stand Up Meetings - as part of the Agile LifeCycle
- Team Training in Test Case/Test Plan development
- Individual Project Training

Versatility as Testers makes better Developers

- 25+ types of individual systems
- Crash Courses
- Learning new concepts on the fly
- Integrated Systems

Key To Success - COMMUNICATION!

- Constant Team Communication and Collaboration
- Clarification
- Developers
- Team Meetings
- Always Reach Out if you have Questions

About Galmont/SQS - USA

- Formerly Galmont Consulting, based out of Chicago Illinois.
- Founded in 1999
- 2 Lexington Locations (Downtown and Hamburg)
- Initially GRO- Galmont Rural Onshoring

Recent Acquisition

- Recently Galmont was acquired by SQS.
- SQS is the world's largest pure-play software testing company.
- Based in Germany.

Questions?

The background features a complex, abstract design of overlapping, semi-transparent blue polygons. The colors range from light sky blue to deep navy blue. The shapes are primarily triangles and quadrilaterals, creating a dynamic, layered effect. The design is most prominent on the right side of the slide, with some shapes extending towards the center.



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Thank you for your attention.