

Drinking Our Own Champagne: Rational Requirement Composer RDM-1202A

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IBM Rational Software



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Purpose

- This session will show how the Rational Requirements Composer development team used the Collaborative Application Lifecycle Management jazz products to specify, analyze, design and implement a key feature of RRC version 2, and how we are using that feature in developing the next version. It will focus on use of RRC itself and include a discussion of benefits to the team.
- Plus (we hope)
 - ▶ Give you a vision of how IBM Rational® Requirements Composer (RRC) can improve team performance and project outcomes
 - ▶ Show you a “real” usage model that is improving the product
 - Rational “Drinking our own Champagne!” Campaign
 - ▶ Get you thinking about how you and your teams can benefit from RRC



The usual disclaimer

- This presentation refers to features under development
- Plans are based on best information available and may change in the future
- Don't make purchase decisions based on features not currently in generally available releases.



Information

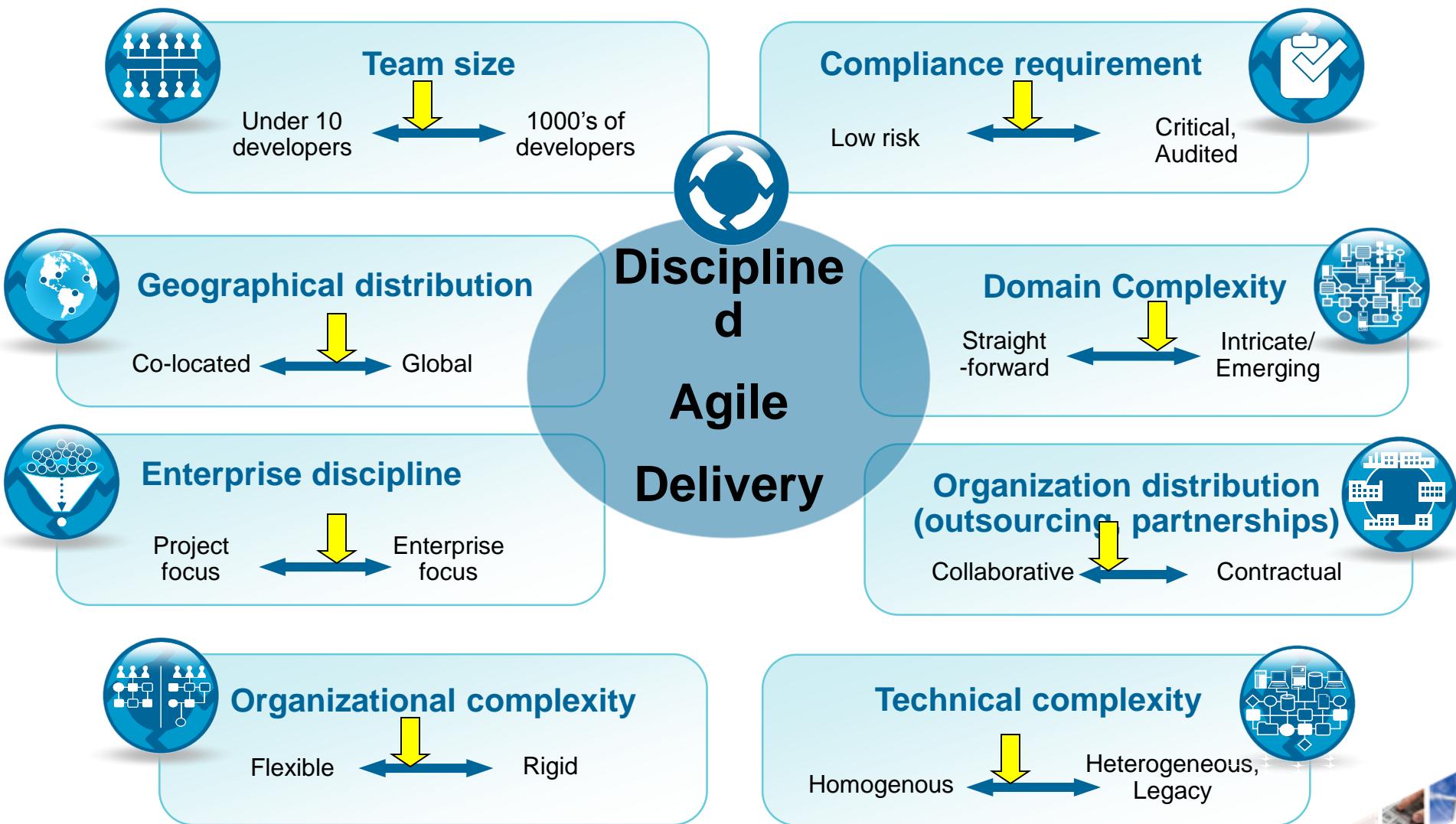
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Some Familiar Situations... we face them too !!



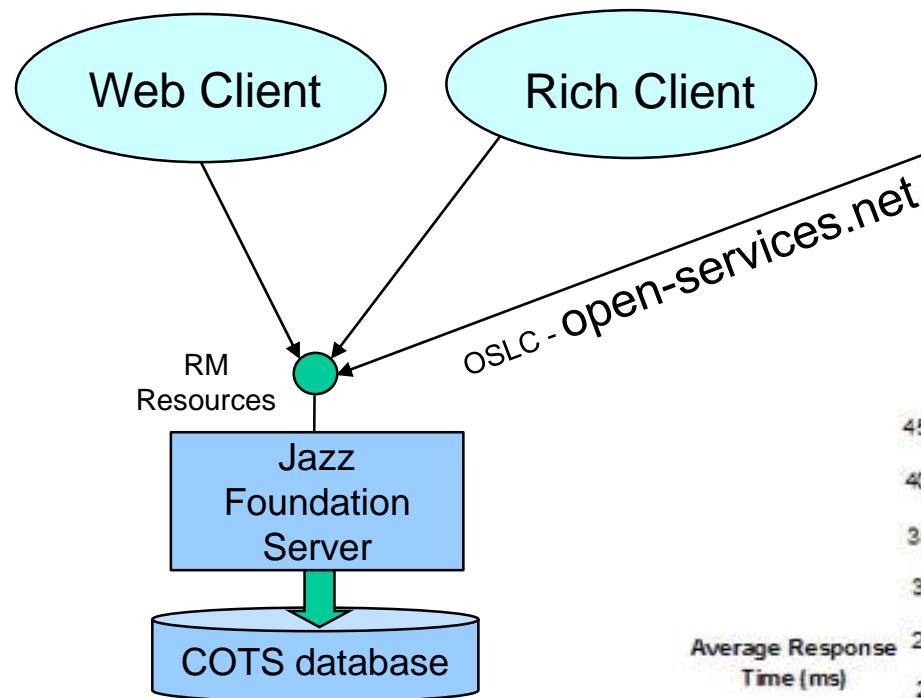
IBM agility@scale™ – our team self-assessment



RRC Development Team for V2



Our Architecture

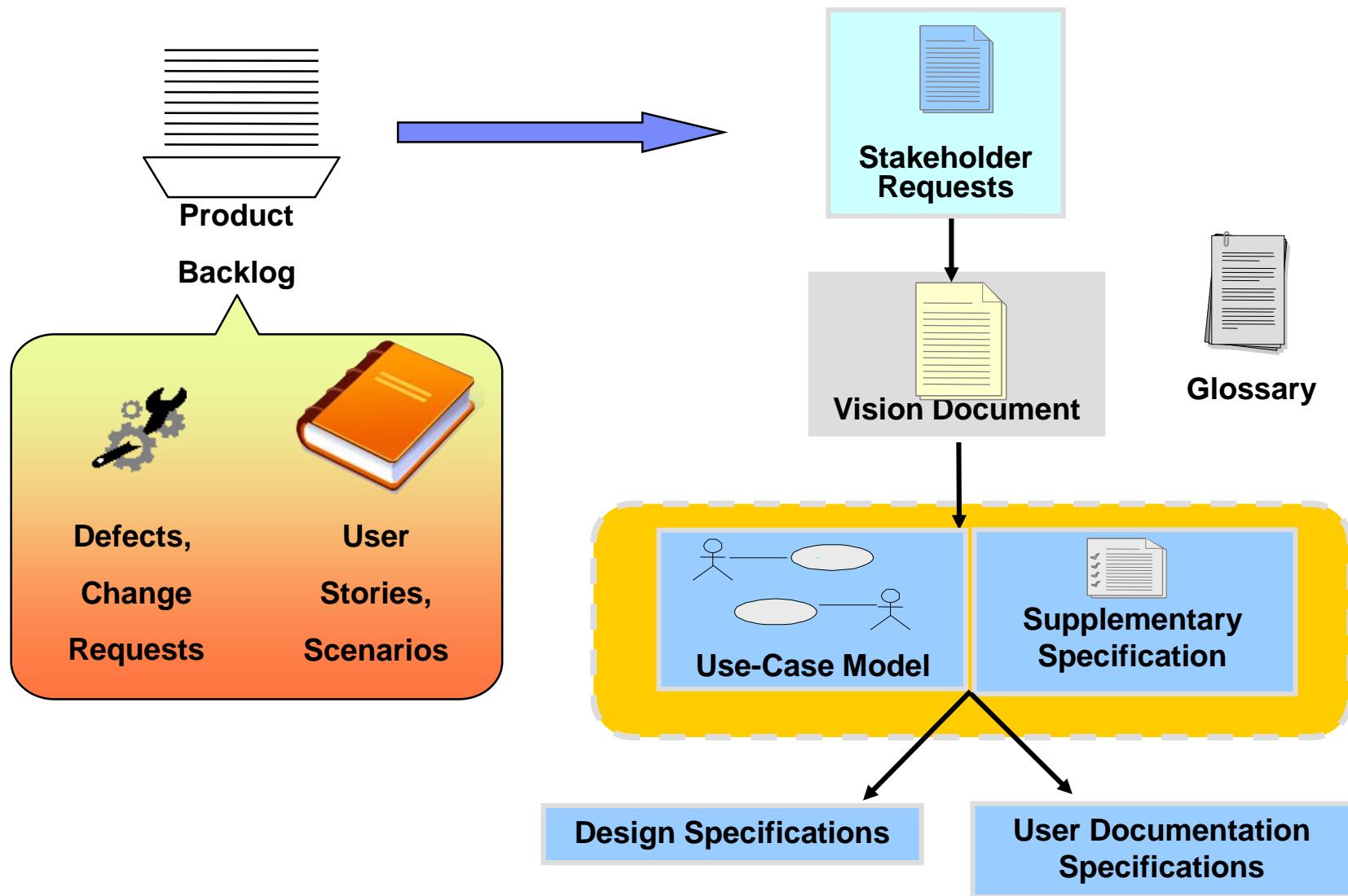


- Server in Research Triangle Park, NC, USA
- Intel Core2 2.66Ghz, 4GB of RAM, Windows 2008 server
- Using Tomcat
- Using separate AIX DB2 server

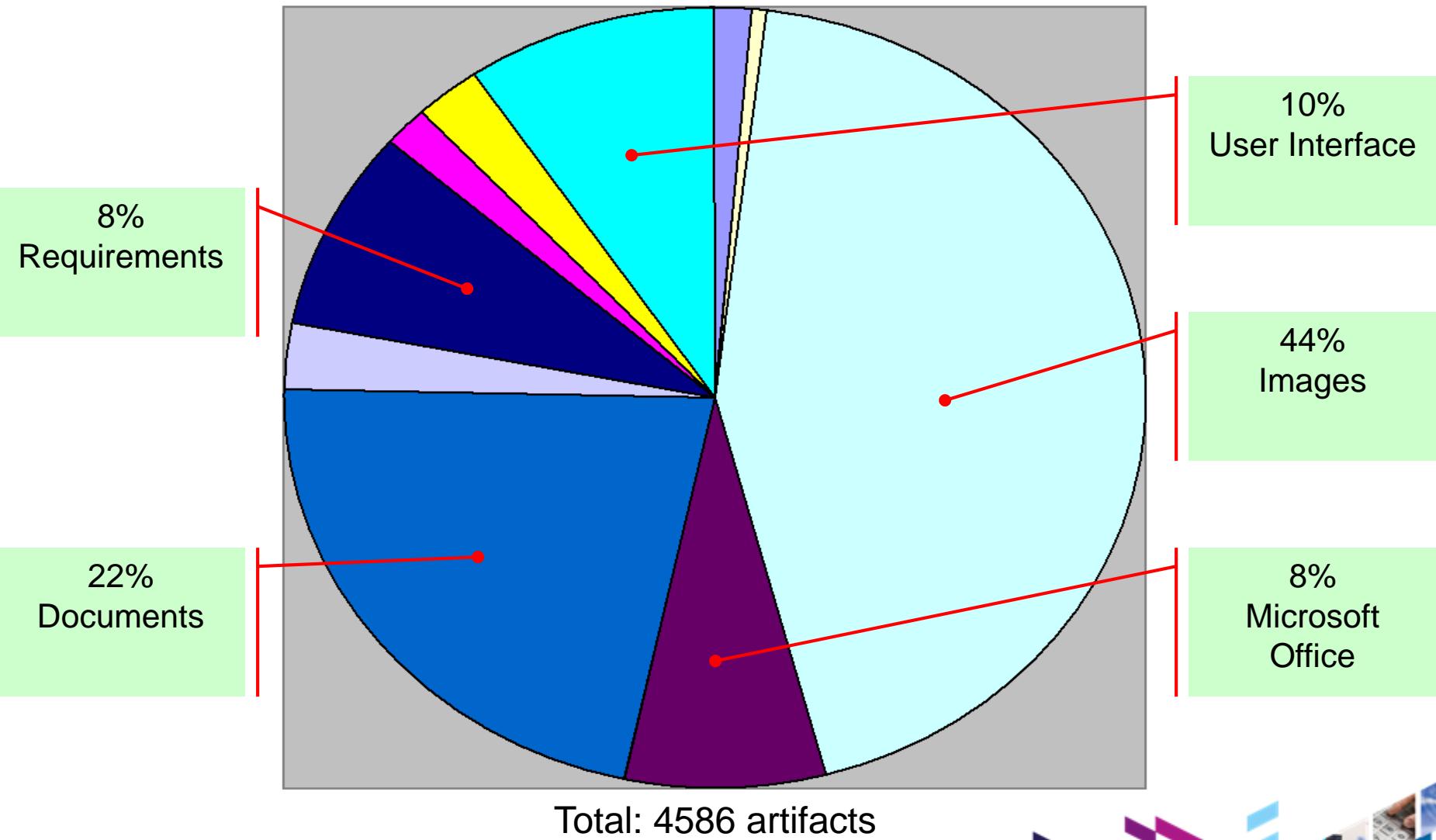


<http://www.ibm.com/developerworks/rational/library/10/rrcperformanceandscaleability/testresults/index.html>

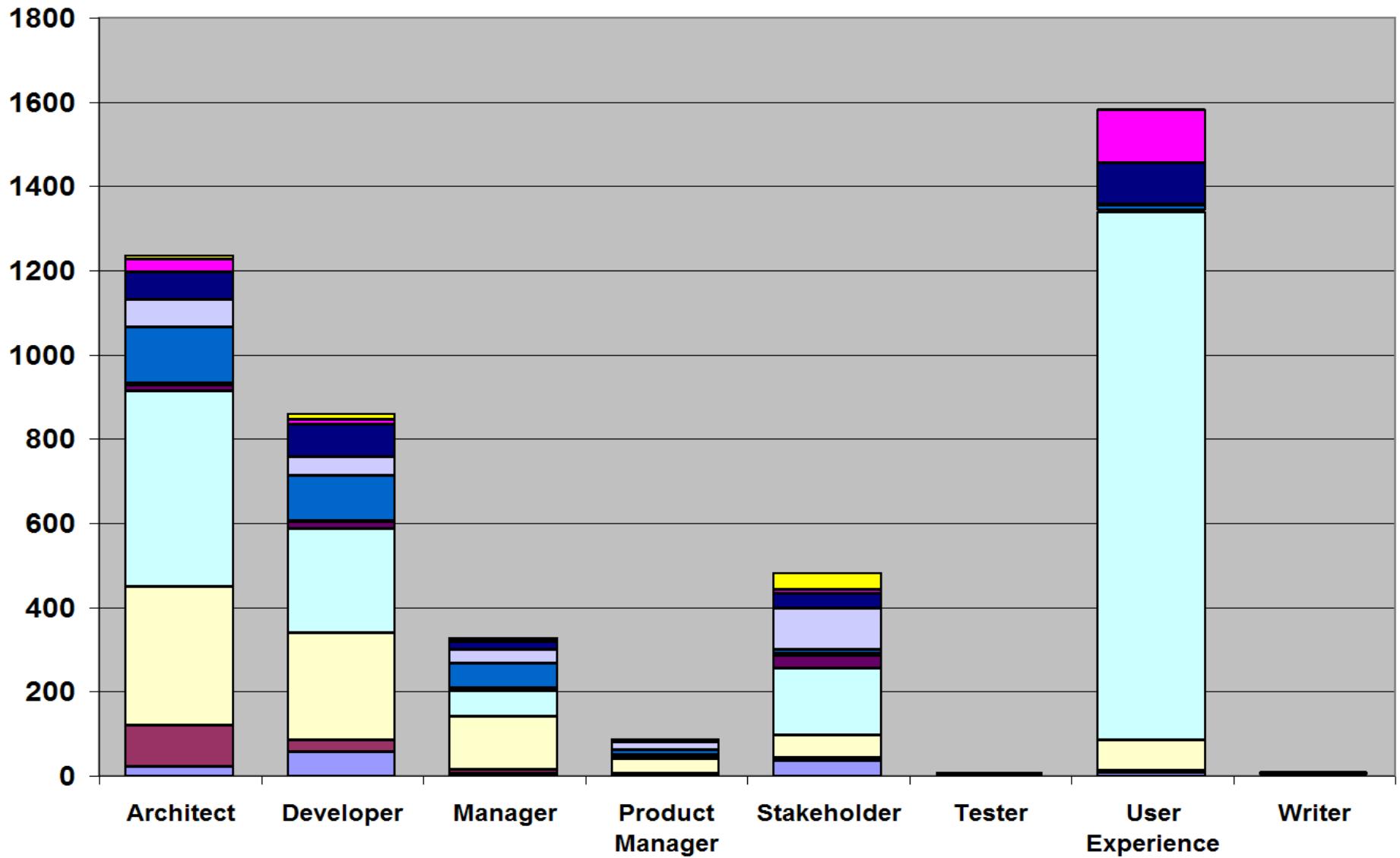
Our Artifacts



What percentage of Artifacts have been created



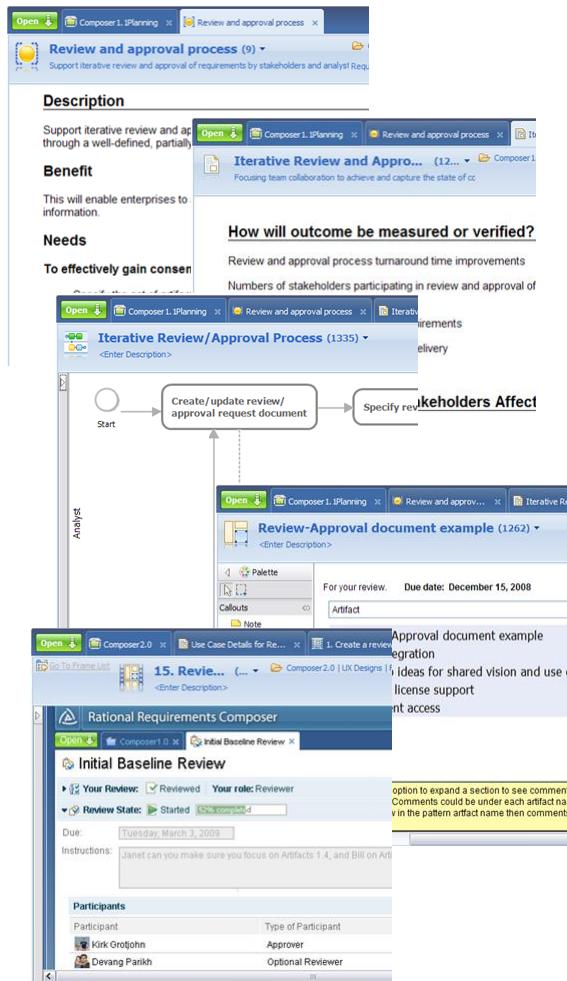
The whole team writes requirements



2009



Drinking Our Own Champagne



Evolution of the RRC V2 Review and Approval feature

1. Stakeholder describes the feature
2. Product manager then describes the business scenario and related requirements
3. Architect defines the workflow
4. User Interface designers then developed mockups
 - ▶ increasingly realistic versions
 - ▶ identified "how it's really going to work"
5. Development team developed incremental solutions
6. User Interface designers used milestone "drivers" to obtain feedback from the stakeholders

Release V2 Requirement – Review & Approval

Jazz Home About Jazz Projects Downloads Forums Library Community

Rational Team Concert

13783

Create Work Item

Create Query

Recently Viewed: Release Requirement 13783

My Queries: Drink Our Champagne, Last Report Query, RequisitePro Integrations

Shared Queries: Predefined, C/ALM Traceability Queries, Composer [Composer Main], ComposerFixpack1 [Composer 1.0 Fixpack 1], ComposerFix1

Work Items: Overview, Links, Approvals, History

Summary: Review and Approval

Status: Closed | Fixed

Loaded: Apr 9, 2010 5:32 AM

Release Requirement 13783

Details

Type: Enhancement 13408: Feature: Review and Approval

Filed Against: Milestone Requirement 13841: Review and Approval/Define resource format for a review

Tags: Milestone Requirement 13848: Review and Approval/Create a review

Owned By: Milestone Requirement 13849: Review and Approval/Edit a review

Project Area: Milestone Requirement 13857: Review and Approval/Authorization considerations for reviews and approvals

Team Area: Milestone Requirement 13861: Review and Approval/Participate in a review

Priority: Milestone Requirement 13862: Review and Approval/View a review (participant view)

Planned For: Milestone Requirement 13863: Review and Approval/Notifications for reviews and approvals

Estimate: Milestone Requirement 13866: Review and Approval/Link to a review

Description: This is the high-level requirement.

Discussion: No Comments.

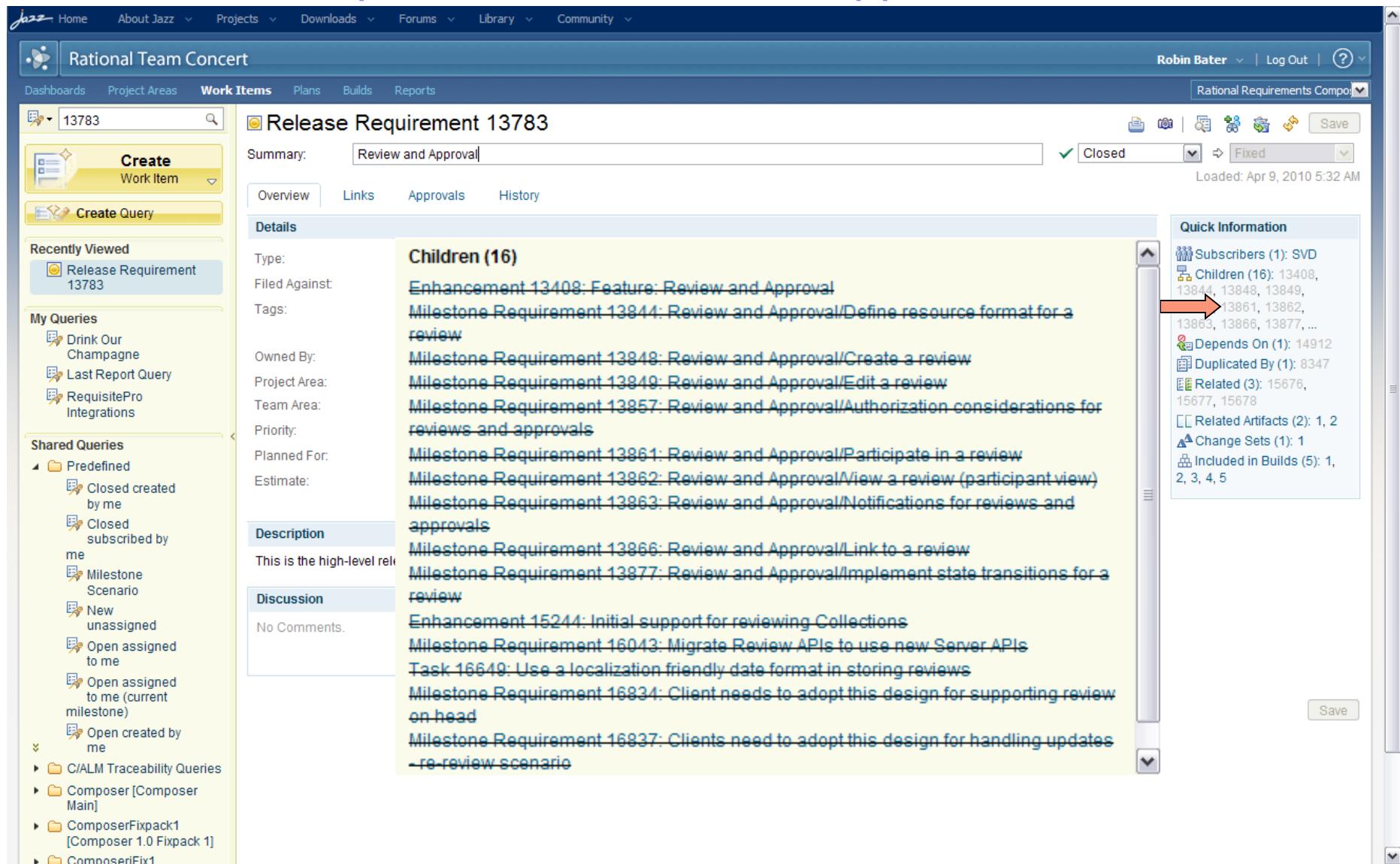
Children (16)

- Enhancement 13408: Feature: Review and Approval
- Milestone Requirement 13841: Review and Approval/Define resource format for a review
- Milestone Requirement 13848: Review and Approval/Create a review
- Milestone Requirement 13849: Review and Approval/Edit a review
- Milestone Requirement 13857: Review and Approval/Authorization considerations for reviews and approvals
- Milestone Requirement 13861: Review and Approval/Participate in a review
- Milestone Requirement 13862: Review and Approval/View a review (participant view)
- Milestone Requirement 13863: Review and Approval/Notifications for reviews and approvals
- Milestone Requirement 13866: Review and Approval/Link to a review
- Milestone Requirement 13877: Review and Approval/Implement state transitions for a review
- Enhancement 15244: Initial support for reviewing Collections
- Milestone Requirement 16043: Migrate Review APIs to use new Server APIs
- Task 16649: Use a localization friendly date format in storing reviews
- Milestone Requirement 16834: Client needs to adopt this design for supporting review on head
- Milestone Requirement 16837: Clients need to adopt this design for handling updates re-review scenario

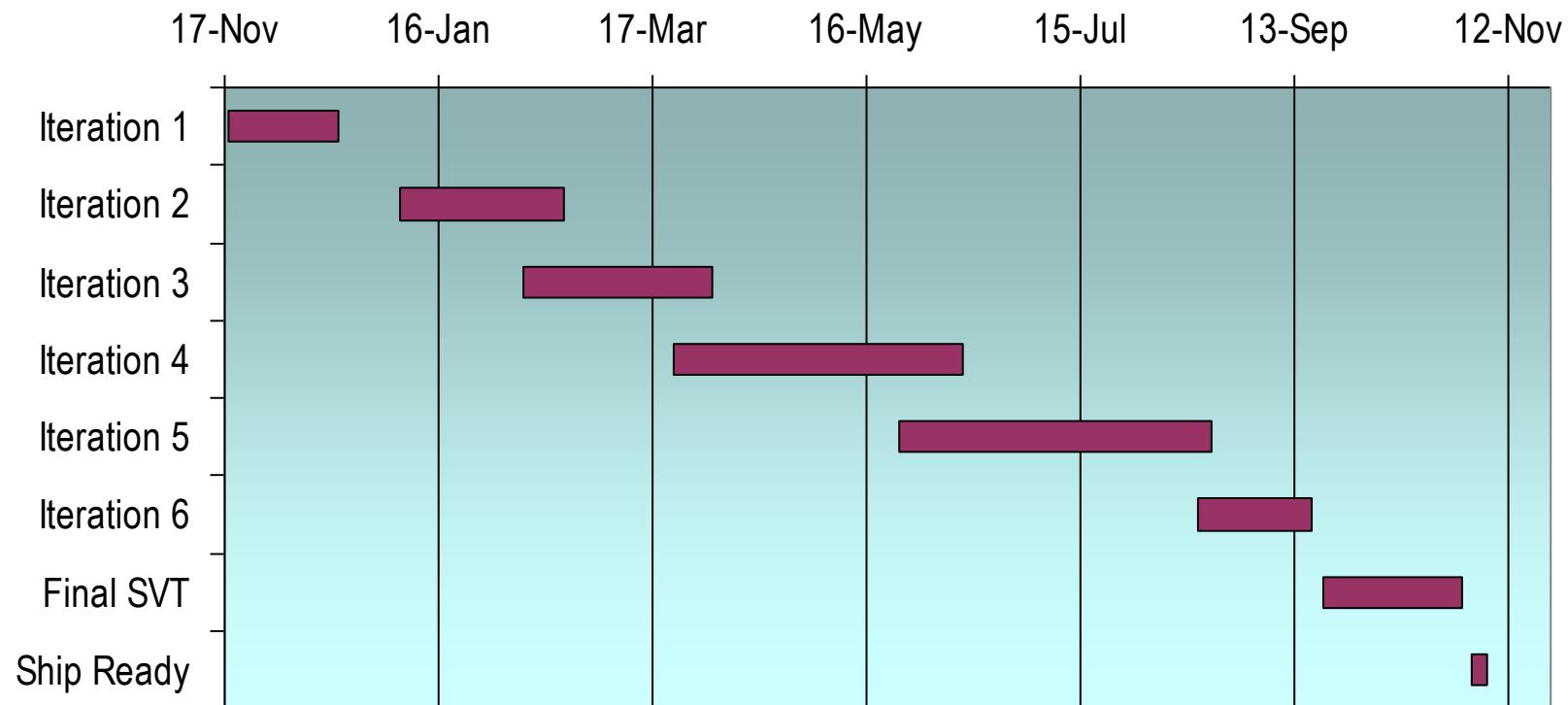
Quick Information

- Subscribers (1): SVD
- Children (16): 13408, 13848, 13849, 13857, 13861, 13862, 13863, 13866, 13877, ...
- Depends On (1): 14912
- Duplicated By (1): 8347
- Related (3): 15676, 15677, 15678
- Related Artifacts (2): 1, 2
- Change Sets (1): 1
- Included in Builds (5): 1, 2, 3, 4, 5

Save

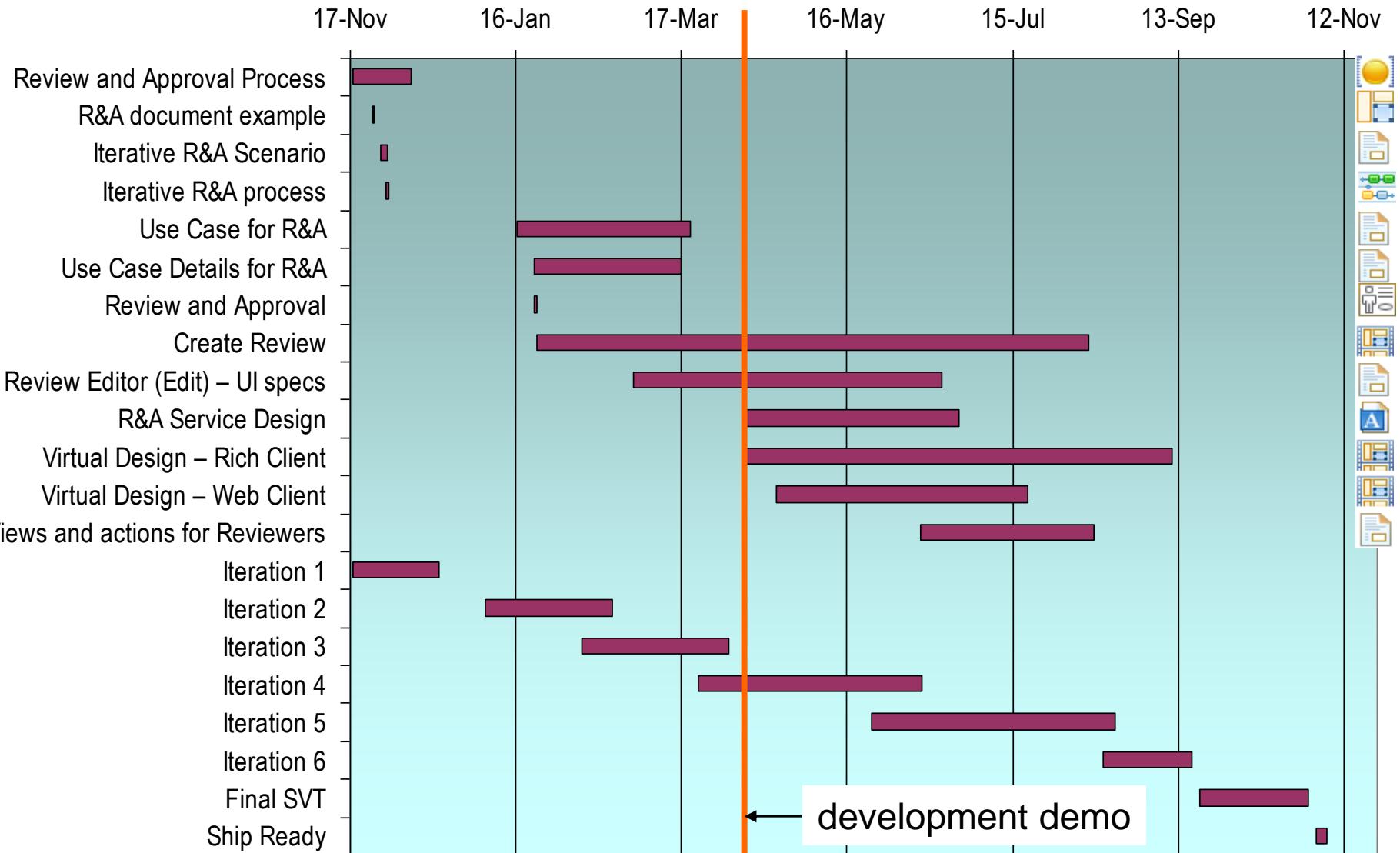


Iterations



- Milestone overlap: planning for the next iteration begins during SVT
- Duration varies
- Each milestone includes Planning, Requirements, Design and Test
- Each milestone is consumable

Review and Approval overview



Feature Requirement – Stakeholder – 59 revisions

Open Composer 1.1Planning Review and approval process

Review and approval process (9) Support iterative review and approval of requirements by stakeholders and analysts Requirement Type: Feature Composer 1.1Planning | Features RRCv1.1; (12) (6) (11)

Description

Support iterative review and approval of requirements by enabling the analyst to lead stakeholders and other analysts through a well-defined, partially automated review and/or approval of requirements artifacts.

Benefit

This will enable enterprises to apply a consistent process for reviewing and approving requirements and related information.

Needs

To effectively gain consensus among key stakeholders, the analyst needs to be able to:

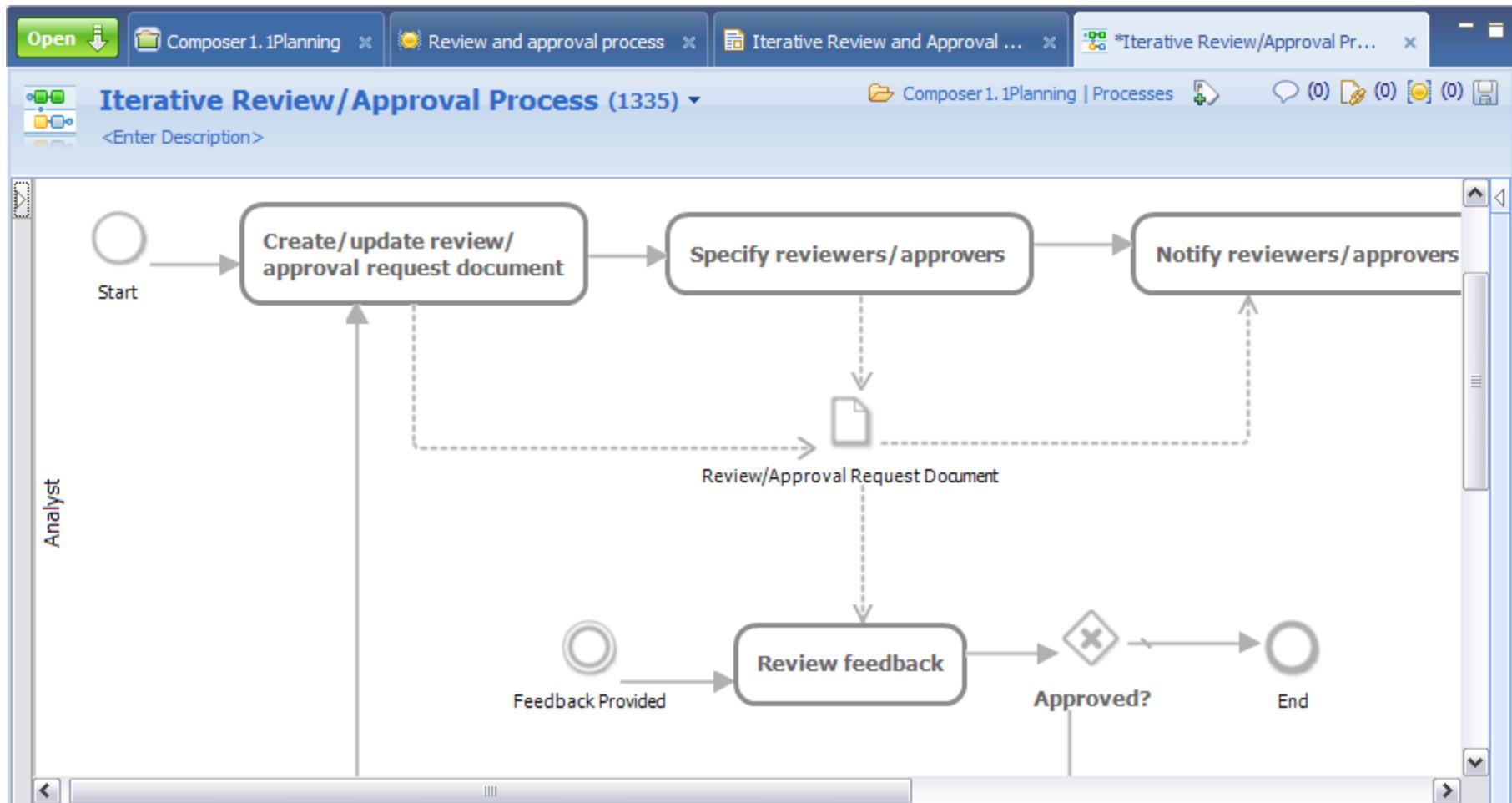
- Specify the set of artifacts (optionally, specific artifact revisions) that need to be reviewed or approved. See "What can be reviewed/approved" in this document for recommendation of the vehicle analysts will use to accomplish this task.
 - Possible reviewer document: [Review/Approval document example](#)
 - Note that this example include a list of artifacts along with [dynamic document](#)
 - Consider making the state of this document "the state of the review"

Scenario Document – Product Manager – 18 Revisions

The screenshot shows the Rational Composer interface with the following details:

- Open:** Composer 1.1Planning, Review and approval process, Iterative Review and Approval Scenario.
- Title Bar:** Iterative Review and Approval Scenario (12...).
- Content Area:**
 - Section:** How will outcome be measured or verified?
 - Review and approval process turnaround time improvements
 - Numbers of stakeholders participating in review and approval of requirements
 - Stakeholder confidence in solution requirements
 - Stakeholder satisfaction with solution delivery
 - Section:** Participating Roles and Stakeholders Affected
 - Analyst
 - Reviewer, Approver
- Right Panel:** Information pane showing Requirements (7 of 7) with links to various features:
 - Dynamic document composition (from Anchor "Dynamic document")
 - Notifications (from Anchor "Notifications")
 - Review and approval process (from Anchor "Review and approval")
 - Review and approval process (from Anchor "Review and approval")
 - Versioning enhancements (from Anchor "Versioning enhancements")
 - Versioning enhancements (from Anchor "Versioning enhancement")
 - Web client access (from Anchor "Web client")
- Bottom Right:** Links (10) and decorative graphic.

Process Sketch – Architect – 6 Revisions



User interface example – Stakeholder – 5 Revisions

The screenshot shows a software application window titled "Review-Approval document example (1262)". The window has a toolbar at the top with tabs for "Open", "Composer 1.1Planning", "Review and approv...", "Iterative Review a...", "*Iterative Review/...", and "Review-Approval d...". Below the toolbar is a header bar with icons for file operations and a message center showing "(2) (1) (0)".

The main content area displays a review task for "Artifact" with a due date of "December 15, 2008". A list of artifacts is shown:

- Review-Approval document example
- Visio integration
- Scenario ideas for shared vision and use case...
- Floating license support
- Web client access

To the right of the artifact list is a grid of status indicators:

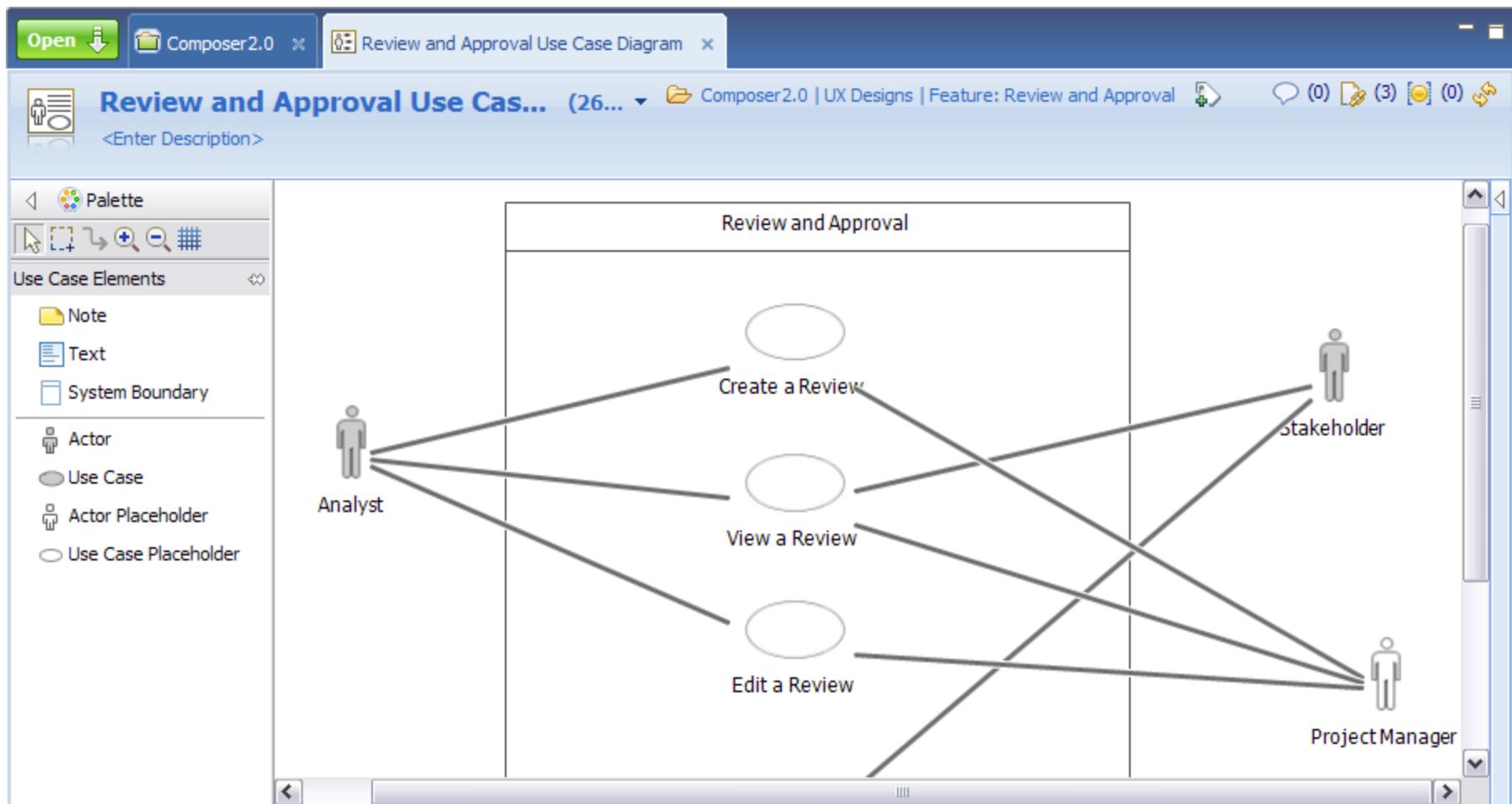
Opened	Edited	Review	Approved
Y	N	Y	N/A
Y	Y	Y	N/A
N	N	N	N/A
N	N	N	N/A
N	N	N	N/A

A callout box points to the "Review" column with the text: "1 Status changes over time when reviewer returns to this document".

On the left side of the window is a palette containing various tools and controls, such as "Palette", "Callouts", "Basic Controls", "Containers", "Existing Artifacts", and "Sketch".

A large yellow callout box at the bottom left contains the instruction: "4 Add here the option to expand a section to see comments on these documents. Comments could be under each artifact name above, or the section below in the pattern artifact name then comments underneath name".

Use Case Diagram – Developer – 4 Revisions



Use Case – Developer – 46 Revisions

The screenshot shows the Rational Composer 2.0 interface. The title bar says "Use Case Details for Review and Approval". The main content area displays the "Use Case Details (HOW)" section. Below it, a definition of a review is given: "A review is essentially a collection of artifacts, reviewers, and an overall state." A section titled "1. Create a review" is shown, followed by a detailed description of the process. On the right side, there is a sidebar titled "Information" which includes sections for Overview, Comments (8), Requirements (0), and Links (10). The "Links (10)" section is expanded, showing Outgoing Links (6) and Incoming Links (4). The outgoing links include items like "1. Create a review" and "2. View a review", all originating from an anchor named "UX Design". The incoming links are from "Review and Approval".

Use Case Details (HOW)

Definition of Review: A review is essentially a collection of artifacts, reviewers, and an overall state.

1. Create a review

User creates a review resource, which minimally includes artifacts and reviewers, and potentially other options. The reviews are listed for the project. Reviewers are notified that a review has been created, and the review is added to their User Home Page.

Who: Analyst

Main flow:

1. Opens project page.
2. Indicates they want to create a review.
3. Chooses artifacts to review. Indicates which are required and which are optional.
4. Specifies reviewers (optional required and approver).

Information

- ▶ Overview
- ▶ Comments (8)
- ▶ Requirements (0)
- ▼ Links (10)
 - Outgoing Links (6)
 - Composer2.0
 - 1. Create a review (from Anchor "UX Design")
 - 2. View a review (from Anchor "UX Design")
 - 3. Edit a Review (from Anchor "3. Edit Review")
 - 4. Review artifacts (from Anchor "UX Design")
 - 5. Update artifacts and review, then finalize (from Anchor)
 - TeamMeeting-20090113 (from Anchor "UI and Technical Is)
 - Incoming Links (4)
 - Review and Approval

Frame List – User Interface Designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 interface. The top menu bar includes 'Open' (with a download icon), 'Composer 2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. The main window title is '1. Create a review (2671)'. The breadcrumb navigation shows 'Composer2.0 | UX Designs | Feature: Review and Approval'. Below the title, there's a message: 'Frame List Create your storyboard frame list. Press 'Enter' to create a new frame. Use Ctrl+Click on a frame to edit it.' A list of 9 steps is displayed:

1. <Enter Frame Title>
2. Review tab
3. New review dialog
4. Review editor is opened
5. Enters date, add approver
6. Selects Users
7. Users added
8. Changes reviewer type
9. Change reviewer type

On the right side of the list, there are two blue hyperlinks: 'Review tab - base' and 'Review editor - Option 2'. At the bottom, a horizontal scrollable frame list displays ten storyboard frames numbered 1 to 10, each showing a different screen design.

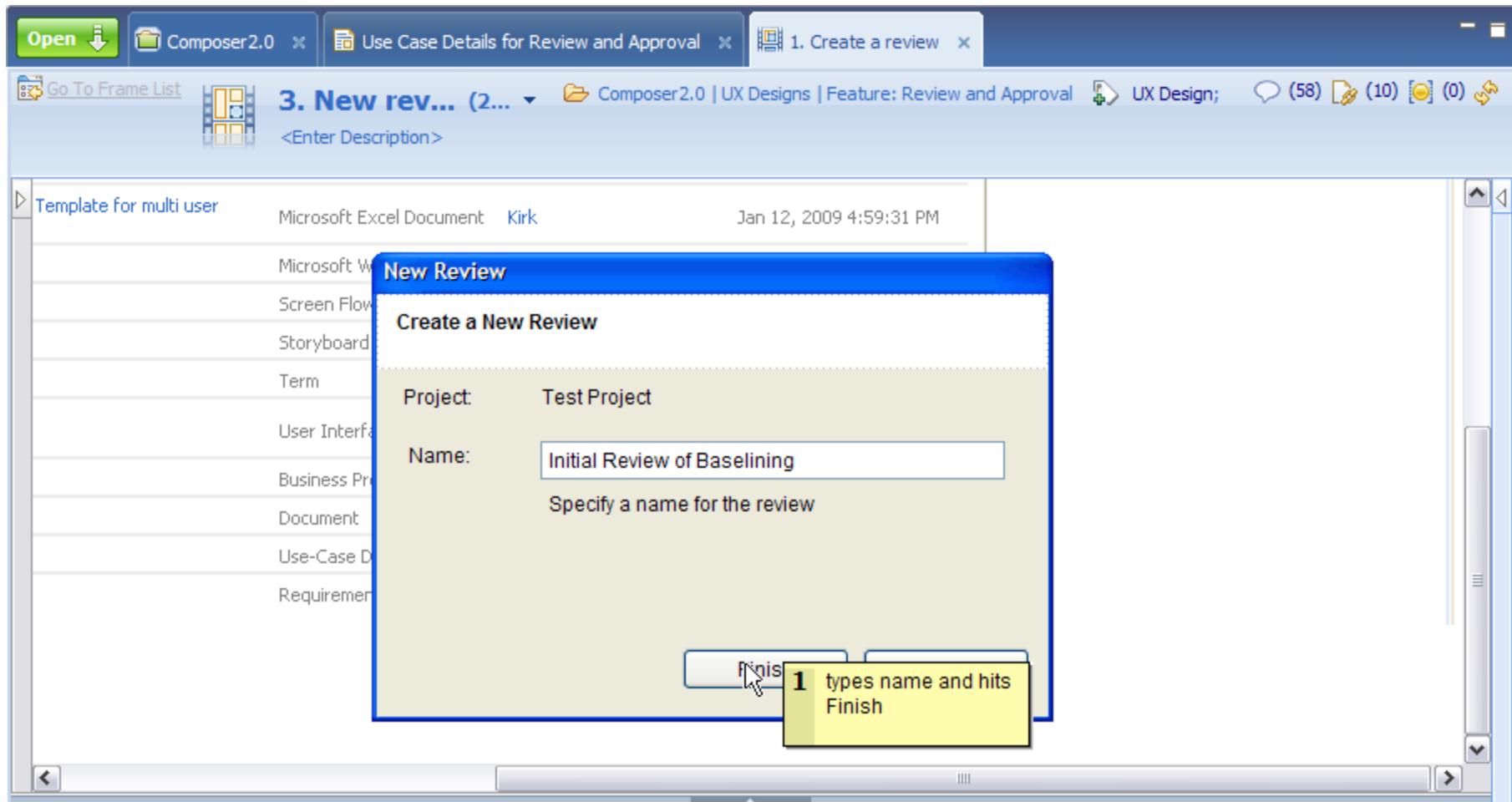
Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 application window. The title bar has tabs for "Open" (highlighted in green), "Composer 2.0", "Use Case Details for Review and Approval", and "1. Create a review". The main area displays a storyboard with a yellow callout box containing the text: "2 Reviews are viewed and created from a Reviews section in sidebar." Below this is a table listing artifacts:

Type	Last Modified By	Last Modified Date
Glossary	Kirk	Jan 13, 2009 4:53:49 PM
Requirement	Kirk	Jan 12, 2009 4:50:45 PM
User Interface Sketch	Kirk	Jan 23, 2009 5:02:20 PM
Template for multi user	Microsoft Excel Document	Kirk Jan 12, 2009 4:59:31 PM
	Microsoft Word Document	Kirk Jan 12, 2009 4:59:01 PM
	Screen Flow	Kirk Jan 13, 2009 5:50:50 PM
	Storyboard	Kirk Jan 13, 2009 5:50:52 PM

To the right, the "Reviews" section in the sidebar has a yellow callout box with the text: "Click to create new review". The sidebar also lists "Project Details" and "Reviews". The top status bar shows "Inherits from: Rev Composer2.0 | UX Designs | Feature: Review and Approval" and various counts: 58 comments, 10 reviews, 0 tasks, and 0 bugs.

Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 interface. The top menu bar includes 'Open', 'Composer 2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. The toolbar below has icons for 'Go To Frame List', 'Inherits from', 'Rev', 'Composer 2.0 | UX Designs | Feature: Review and Approval', 'UX Design', and social sharing options. The main window title is 'R Initial review of ...'. The interface includes tabs for 'Overall Review', 'Draft', 'Save as Draft', and 'Start Review'. A note says 'Add Reviewers and Artifacts, then click Start Review.' A due date field and a 'Start' button are present. A yellow callout box with the number '2' contains the text: 'State is Draft. Start button is disabled. Hint text is added here too.' Below this is a 'Participants' section with a table:

User v	Type	Status
...

A yellow callout box with the number '3' contains the text: 'Import list of users from another review (can be post 2.0). Prompts user to choose an existing review. (work item 20803)'.

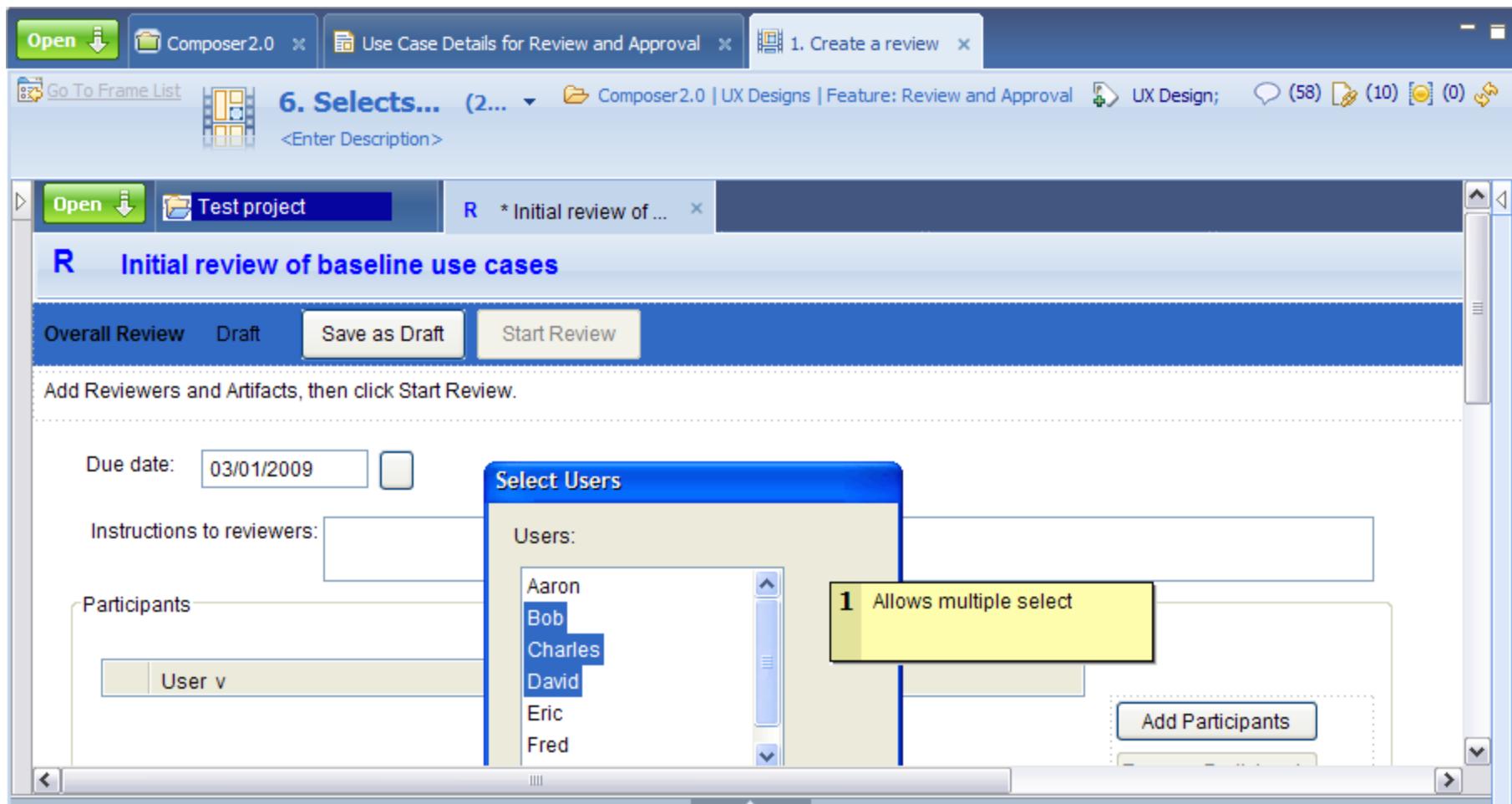
Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 interface. The top menu bar has tabs for 'Open' (highlighted), 'Composer 2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. The main window title is '5. Enters d...'. The toolbar includes 'Go To Frame List', a folder icon, and various status indicators like 'UX Design;', '(58)', '(10)', '(0)', and '(0)'.

The main content area displays the following details:

- R Initial review of baseline use cases**
- Buttons: Overall Review, Draft, Save as Draft, Start Review.
- Text: Add Reviewers and Artifacts, then click Start Review.
- Due date: 03/01/2009 (with a calendar icon).
- Instructions to reviewers: (empty text area).
- Participants**: A table with columns 'User v', 'Type', and 'Status'. One row is visible with the value 'User v' in the 'User v' column.
- A button labeled 'Add Participants' is shown with a cursor pointing at it.

Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 interface. The top menu bar has tabs for 'Open' (highlighted), 'Composer 2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. The main window title is '7. Users a... (26...)' under 'Composer2.0 | UX Designs | Feature: Review and Approval'. The window content is titled 'R Initial review of baseline use cases'. It includes buttons for 'Overall Review', 'Draft', 'Save as Draft' (which is selected), and 'Start Review'. A note says 'Add Reviewers and Artifacts, then click Start Review.' Below this are fields for 'Due date' (set to '03/01/2009') and 'Instructions to reviewers' (an empty text area). The 'Participants' section contains a table with two rows:

User	Type	Status
Bob	Reviewer	Not started
Charles	Reviewer	Not started

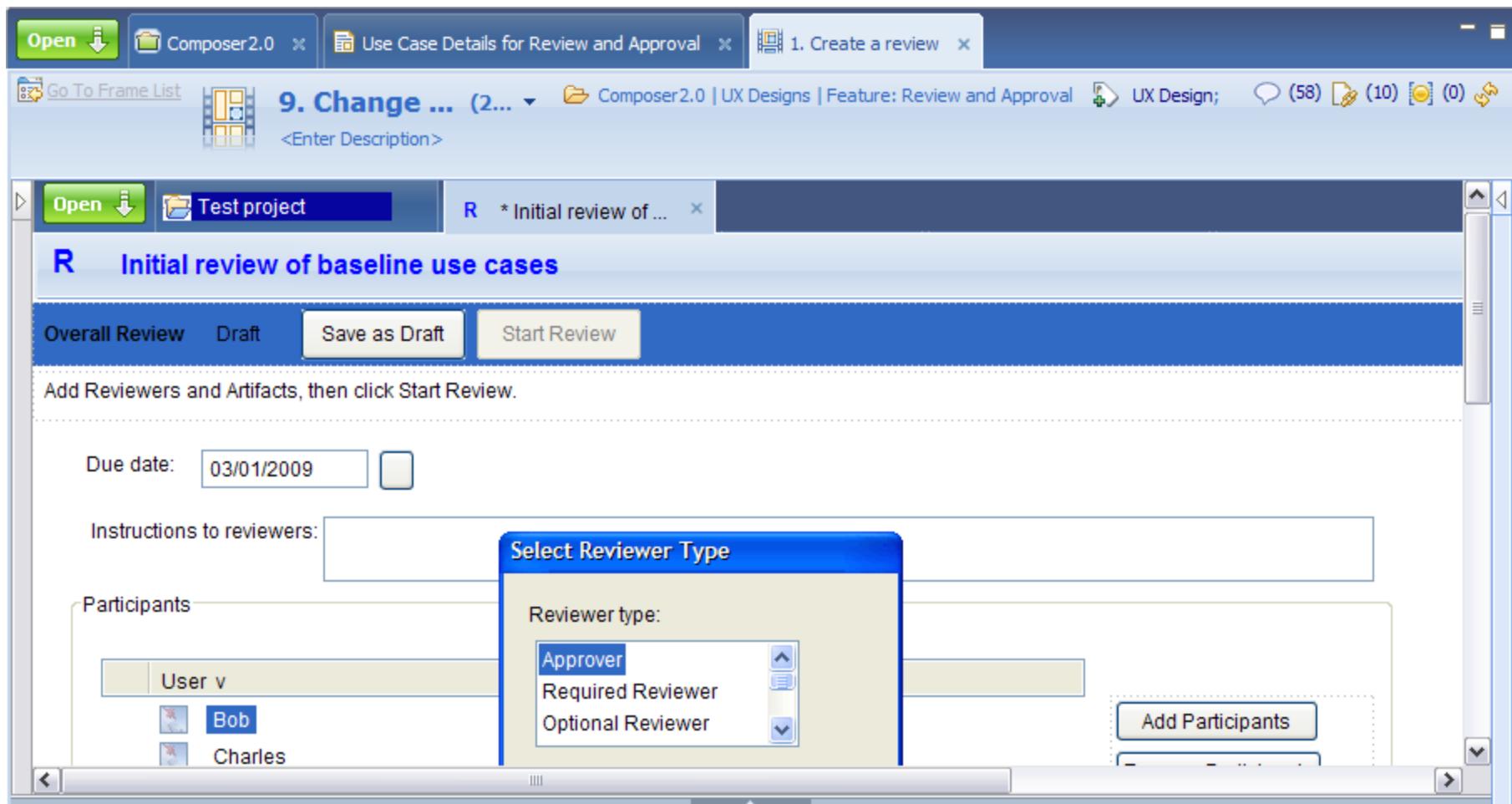
An 'Add Participants' button is located to the right of the table.

Storyboard – User Interface designer – 81 Revisions

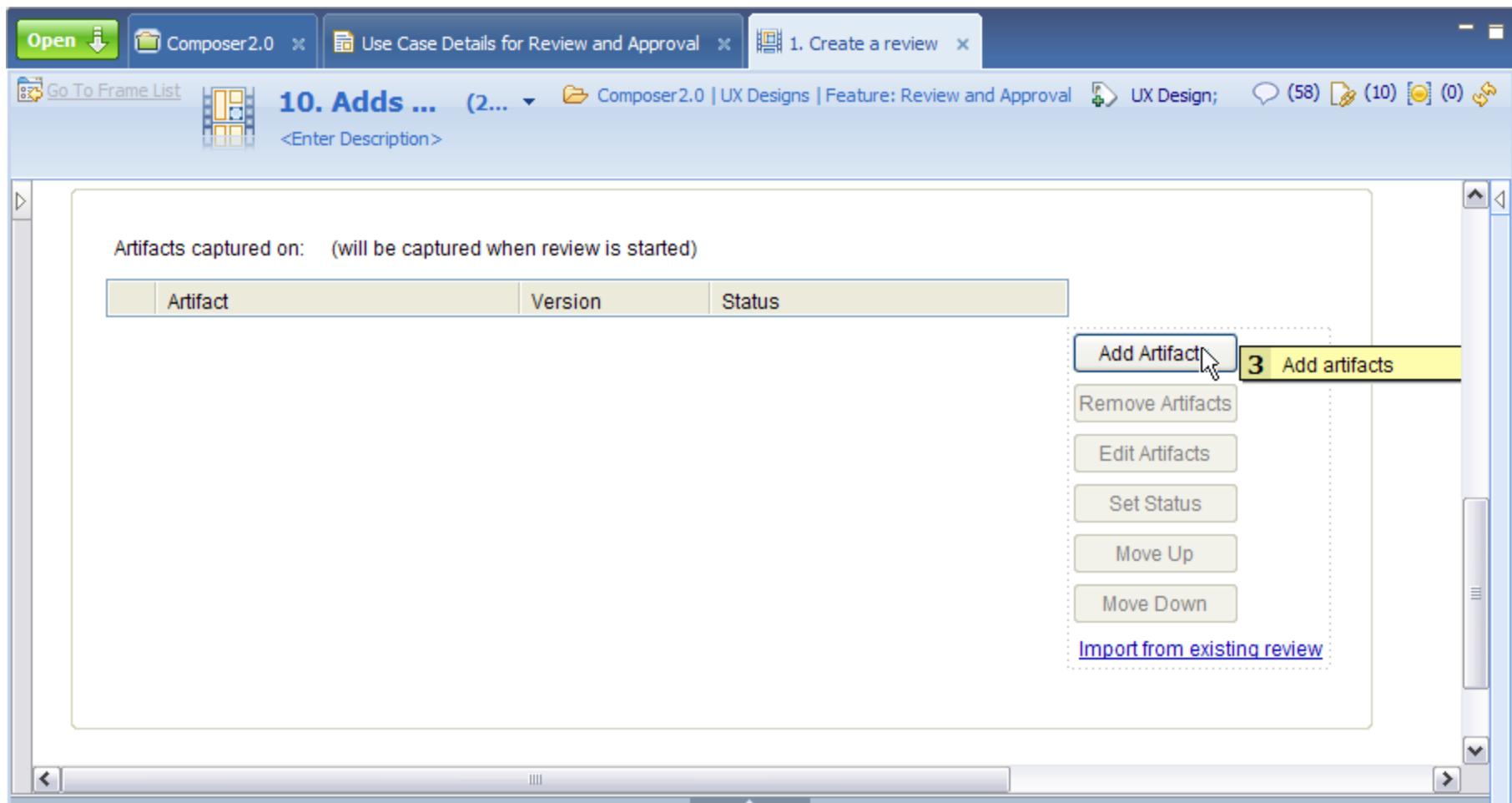
The screenshot shows the Rational Composer 2.0 interface with the following details:

- Top Bar:** Shows tabs for "Open" (highlighted), "Composer 2.0", "Use Case Details for Review and Approval", and "1. Create a review".
- Left Sidebar:** Includes "Go To Frame List" and a tree view showing "8. Change..." (2...), "Composer2.0 | UX Designs | Feature: Review and Approval", "UX Design", and activity counts (58 comments, 10 reviews, 0 tasks).
- Main Window:**
 - Title Bar:** Shows "Test project" and "R * Initial review of ...".
 - Header Buttons:** "Overall Review", "Draft", "Save as Draft" (highlighted), and "Start Review".
 - Instructions:** "Add Reviewers and Artifacts, then click Start Review."
 - Due Date:** "Due date: 03/01/2009" with a calendar icon.
 - Instructions to reviewers:** A large text input field.
 - Participants:** A table with columns "User v", "Type", and "Status". It lists "Bob" and "Charles" as Reviewers, both marked as "Not started". An "Add Participants" button is available.

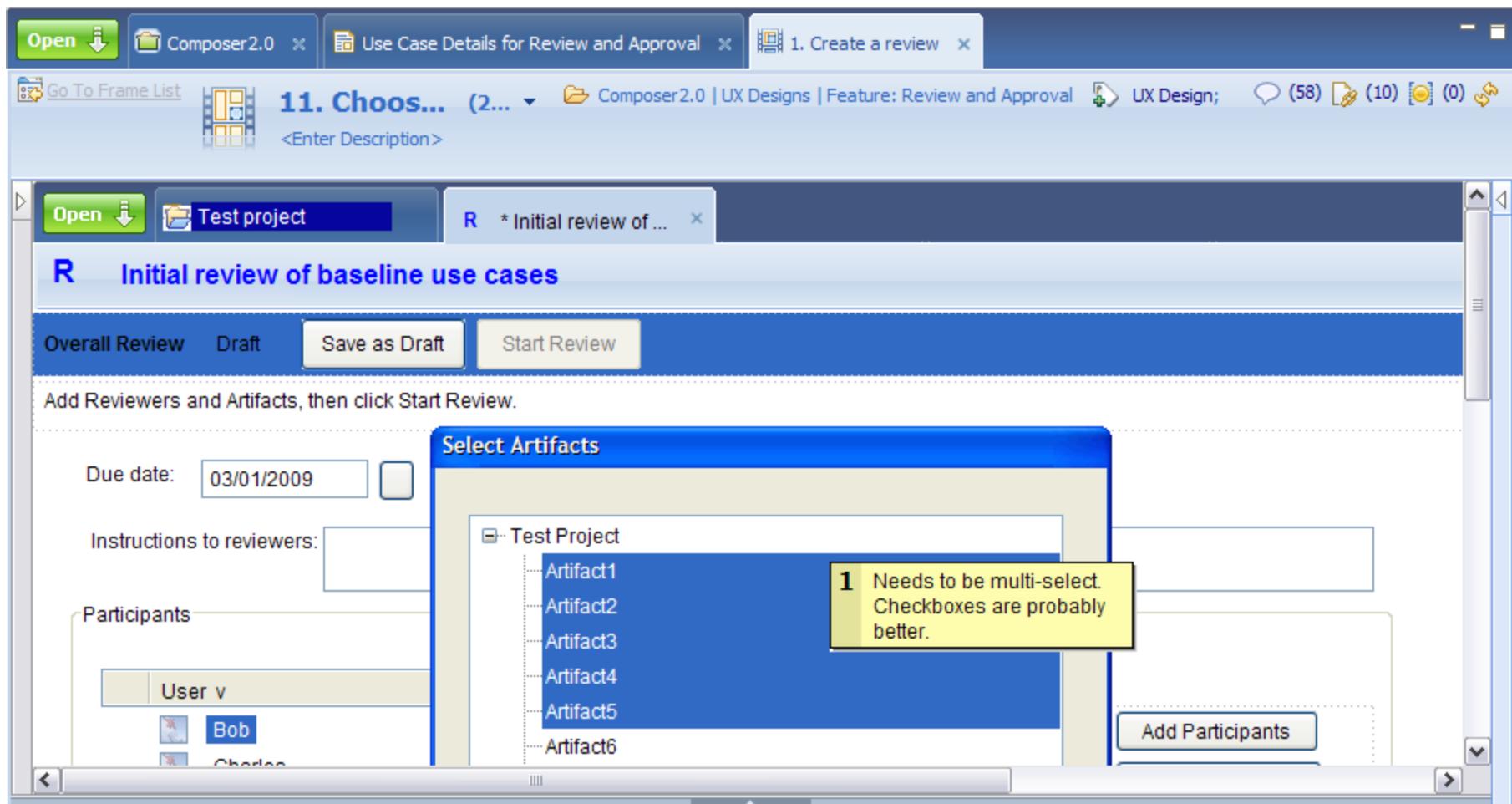
Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions



Visual Design – User Interface Designer

The screenshot shows the Composer2.0 application interface. The top menu bar includes 'Open' (with a download icon), 'Composer2.0' (active tab), 'Use Case Details for Review and Approval', and '1. Create a review'. The left sidebar shows a tree view with 'Composer2.0' expanded, and a 'Create Artifact' button. The main content area displays two artifacts:

Artifact Type	Name	Last Modified Date	Comments	Tags
Storyboard	Visual Design Specs for Review and Approval (RCP)	Sep 10, 2009 12:16:22 PM	(34)	review rich_client visual-design
Storyboard	Visual Design Specs for State transfer widget	Aug 11, 2009 10:48:47 AM	(1)	UX Design rich_client visual-design web_client

Each artifact row includes a preview thumbnail, a detailed description, and a list of tags.

Rich Client – User Interface Designer – 19 Revisions

The screenshot shows the Rational Composer 2.0 Rich Client interface. At the top, there is a toolbar with various icons and a menu bar. Below the toolbar, the title bar displays "4. Revie..." and "Composer2.0 | UX Designs | Feature: Review and Approval". The main window is titled "Initial Baseline Review". It contains a navigation bar with buttons for "Overall Review", "Draft", "Save as draft", "Start review", "In Progress", "Reviewed", and "Finalized". Below this, there is a section for "Review participants and artifacts" with a "Due" date set to "Tuesday March 3, 2009". An "Instructions" field contains the text: "Janet can you make sure you focus on Artifacts 1 -4, and Bill on Artifacts 5, 6 and 7? Devang please review as you have time.". A "Participants" table lists two users: Kirk Grotjohn (Approver, Not started) and Devang Parikh (Optional Reviewer, Not started). The interface is designed with a clean, modern look, using a blue and white color scheme.

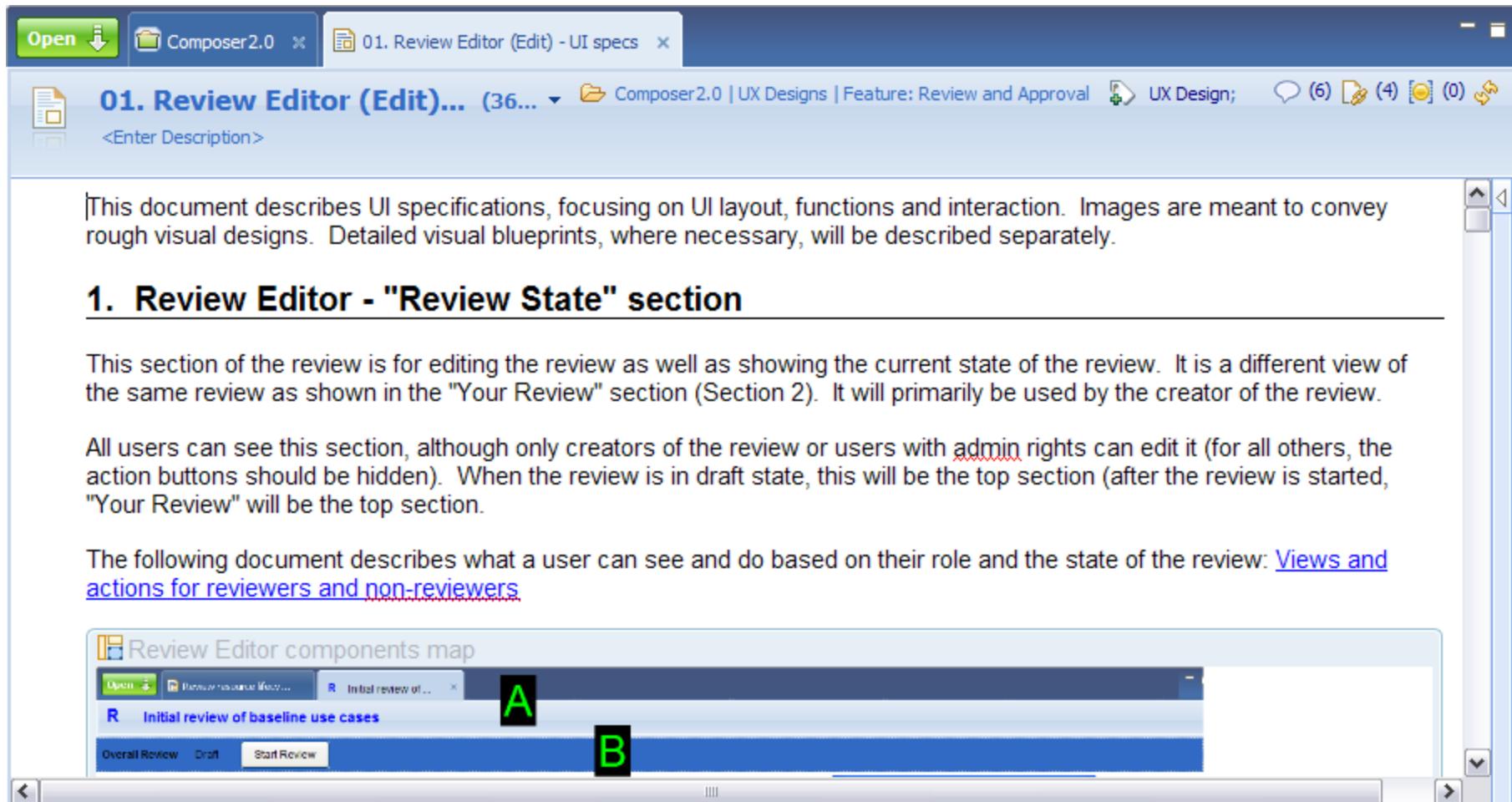
Web Client – User Interface Designer – 8 Revisions

The screenshot shows the Rational Requirements Composer web client interface. At the top, there is a toolbar with several tabs: 'Open' (highlighted), 'Composer 2.0', 'Use Case Details for Re...', '1. Create a review', 'Visual Design Specs fo...', and 'Visual Design for Revi...'. Below the toolbar, the title bar reads '15. Revie... (...)' and 'Go To Frame List'. The main content area is titled 'Rational Requirements Composer' and 'Initial Baseline Review'. It displays the following information:

- Your Review:** Reviewed | **Your role:** Reviewer
- Review State:** Started | 52% completed
- Due:** Tuesday, March 3, 2009
- Instructions:** Janet can you make sure you focus on Artifacts 1.4, and Bill on Artifacts 5,6 and 7? Devang please review as you have time.
- Participants:** A table showing two participants:

Participant	Type of Participant	Review results
Kirk Grotjohn	Approver	
Devang Parikh	Optional Reviewer	

Document – User Interface Designer – 52 Revisions



The screenshot shows the IBM Composer 2.0 interface with the title bar "01. Review Editor (Edit) - UI specs". The main content area contains a paragraph about UI specifications and a heading "1. Review Editor - 'Review State' section". Below this, there is text about the review state section and its purpose. A separate window titled "Review Editor components map" is also visible.

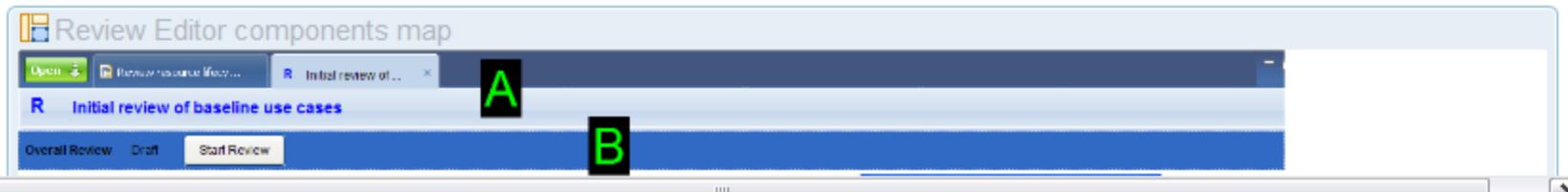
This document describes UI specifications, focusing on UI layout, functions and interaction. Images are meant to convey rough visual designs. Detailed visual blueprints, where necessary, will be described separately.

1. Review Editor - "Review State" section

This section of the review is for editing the review as well as showing the current state of the review. It is a different view of the same review as shown in the "Your Review" section (Section 2). It will primarily be used by the creator of the review.

All users can see this section, although only creators of the review or users with ~~admin~~ rights can edit it (for all others, the action buttons should be hidden). When the review is in draft state, this will be the top section (after the review is started, "Your Review" will be the top section).

The following document describes what a user can see and do based on their role and the state of the review: [Views and actions for reviewers and non-reviewers](#)



The "Review Editor components map" window shows a diagram of the interface. It features a toolbar at the top with "Open", "Review resource view...", and "R Initial review of...". Below the toolbar is a header bar with the text "A R Initial review of baseline use cases". At the bottom of the header bar is a navigation bar with "Overall Review", "Draft", and "Start Review". The main area of the window is labeled "B".

Document – User Interface Designer – 19 Revisions

Screenshot of a software application window titled "Views and actions for reviewers and non-reviewers". The window shows a text editor with the following content:

I think the current designs are a little unclear on what happens when you open a review artifact from different states of the review, or b whether you are a reviewer or not. This table hopefully clears this up. Let me know if there's anything in here you don't understand or with.

Note that the last column applies to whether you open an artifact from the My review section or the Overall review section. We might consider a context menu action to "Open current version".

Role	Opens review from:	Review State	Review sections shown	Opening artifact, what they see/can do?
Reviewer	<ul style="list-style-type: none">Project page sidebar after review is started:User home pageE-mail link	Draft	Overall review (Individual reviewer page doesn't exist yet)	<ul style="list-style-type: none">Opens head version of artifact (since specific hasn't been captured yet). Normal artifact editin capabilities (including normal commenting)
		Started	Overall review My Review	<ul style="list-style-type: none">Opens review artifact editor with all reviewingComments added are flagged as review commi
		Stopped	Overall review My Review (with action buttons disabled)	<ul style="list-style-type: none">Opens review artifact editor showing status, but buttons (Approve, etc.) disabled.Commenting disabled
		Complete	Overall review My Review (with action buttons disabled)	<ul style="list-style-type: none">Opens review artifact editor showing status, but buttons (Approve, etc.) disabled.

Document – Developer – 2 Revisions

The screenshot shows a Microsoft Word document window titled "Review and Approval Design.doc (4756)". The document contains the following text:

Review and Approval Service Design

Description

This service will be used to create, update, delete and retrieve Review resources. The service will provide convenient APIs to handle some of the “piecemeal” Participant Results operations.

A Review feed is created and maintained by the fronting server to provide a high performance way of displaying a list of reviews. A User Review feed will be maintained for each user to provide a high performance way of displaying users’ reviews in the user dashboard.

The Word ribbon tabs visible are Home, Insert, Page Layout, References, Mailings, and View. The status bar at the bottom right shows "38".

Development demo - Developer

Meeting Player - C:\Documents and Settings\Administrator\My Documents\RRC 2.0\March_30,_2009_-_RRC_Managed_Beta_call__demo+of+Review+and+Approval_Part+1.rmv

File View Tools Help

Desktop

Stef van Dijk

Rational Requirements Composer

File Edit Navigate Search Window Help

Project Explorer

- Local 2.0 server
- SVD ClassicCD
- Rosa's 2.0 server
- SVD Project

Open SVD ClassicCD *Review Actors

Review Actors ▾
Review the set of actors in my project

Current State: Draft Save as Draft Start Review Add reviewers and artifacts, then click "Start Review"

Due Date: 4/13/09 Select Date

Instructions for reviewers: Eric is not required to review but would really appreciate his feedback.

Reviewers

Name	Type	Status
Stef	Reviewer	Not started
Eric	Optional Reviewer	Not started

Artifacts

Artifact	Version	Status
Administrator	Set when review is started	Not started
Shopper	Set when review is started	Not started

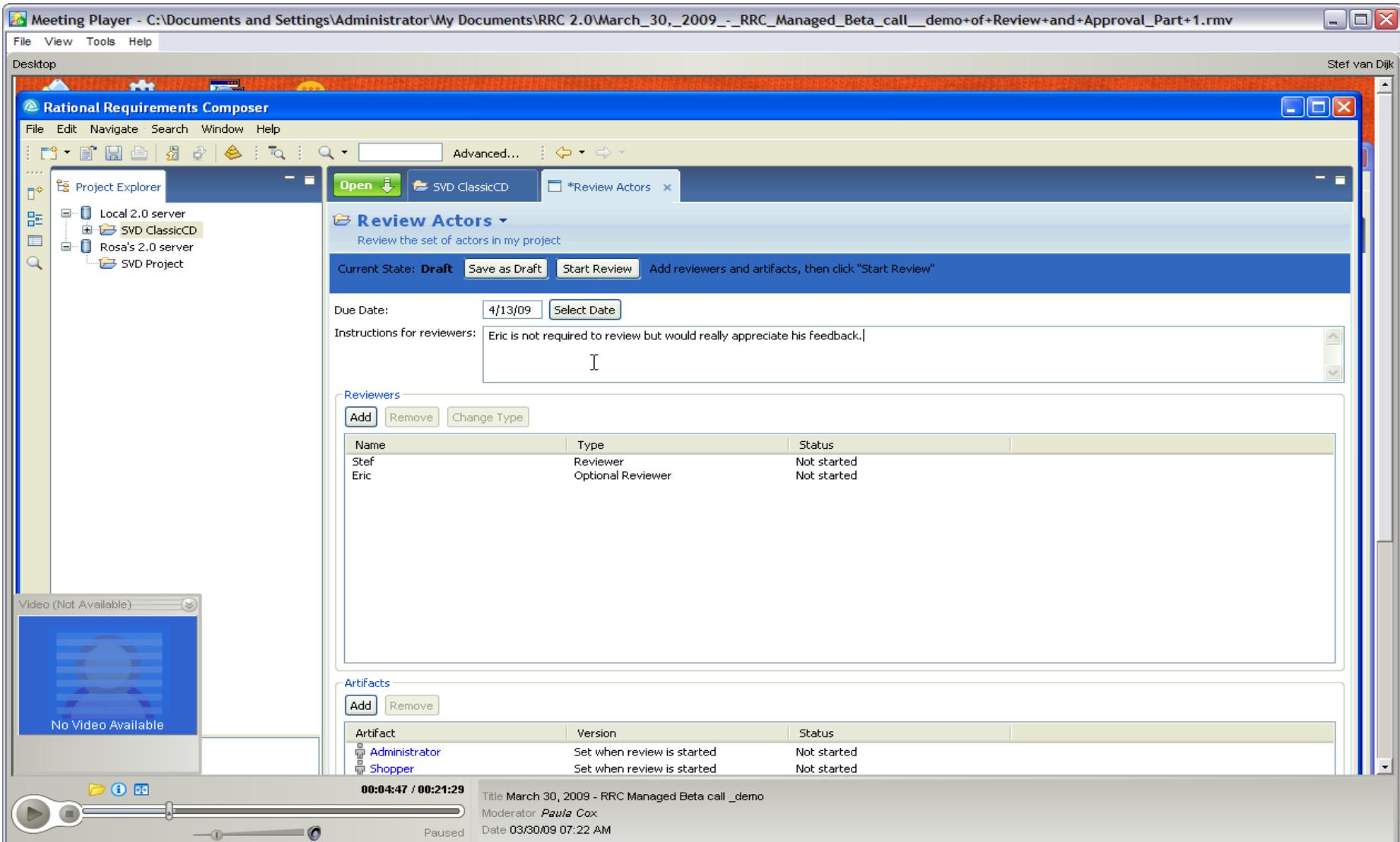
Video (Not Available)

No Video Available

00:04:47 / 00:21:29

Paused

Title March 30, 2009 - RRC Managed Beta call _demo
Moderator Paula Cox
Date 03/30/09 07:22 AM



Usability feedback – User Interface Designer

Screenshot of the Rational Composer 2.0 interface showing a note titled "UI and Usability feedback and responses (6192)".

The note content is as follows:

<Enter Description>

Bill's notes on Voice, and related work.

From: Bill Andreas/Westford/IBM@IRIS

To: Kirk Grotjohn/Raleigh/IBM@IBMUS, Janet Mockler/Toronto/IBM@IBMCA

Date: 06/15/2009 05:31 PM

Subject: Annotated: Some assorted comments from customers at VOICE/RSC

I scribbled a bunch of comments on our new RRC 2.0 features while talking to customers at VOICE/RSC. This note summarizes these comments. I've marked each comment with a note as to whether or not I think we should do something about it in our designs (in other words if we should add them to the design and create a ~~workitem~~ for them). Before making a ~~workitem~~, I thought I'd put this out for comment.

Review and Approval

1. Want Delegation

2010

Drinking Our Own Champagne

The screenshot shows the Rational Requirements Composer (RRC) V2 interface. On the left, a sidebar titled "Information" lists various links categorized by source. The "Links (16)" section is expanded, showing 14 outgoing links and 2 incoming links. The outgoing links include "Arrange Shipment", "Catalog", "CD Details", "Checkout Confirmation", "Checkout Flow", "Gather Credit Card", "Gather Personal Info", "Purchase CD", "Shop", "Shop for CD", "Shop Story", "Update Shopping Cart", "View Cart", and "Welcome". The incoming links are "Release20 First Iteration" and "Release20 First Iteration Strategy". Below the sidebar, the main area displays the "Overview" panel for a traceability item with ID 8449. The panel shows the project name as "Requirements Management", creation date as "3/5/10 12:53 p.m.", modification date as "4/10/10 10:39 a.m.", and modified by "D. K. Grotjohn". The "Comments (7)" section below the overview panel lists the following comments:

7. Marc A. Baumbach Last Week
Reviewed in 'Links in sidebar'
6. Daniel T. Moul Apr 9, 2010
Reviewed in "Links in sidebar".
5. Daniel T. Moul to D. K. Grotjohn Apr 9, 2010
Open issues: where do users

Below the comments, there are sections for "Requirements (0)" and "(Loading...)".

The following slides show the *use* of the RRC V2 Review and Approval feature

Case Study: Improvements to the Links sidebar

Dashboard

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Robin R. Bater's Dashboard

General Tab

Reviews (4 of 60)

Review	Date
Launched Editors	Jan 29, 2010
Links in sidebar	Apr 12, 2010
Traceability in tree view	Apr 14, 2010
Traceability links in grid columns	Apr 13, 2010

Page 1 of 1

Artifacts (99)

Artifact	Last Modified
M6 - NOT conditions	10 minutes ago
M5 RMWeb New and Noteworthy	30 minutes ago
RRM 2010 Specification	1 hour ago
M6 New and Noteworthy	2 hours ago
Services Table	2 hours ago
M6 Daily Standup	2 hours ago
View Service Specification	4 hours ago

Page 1 of 15

Comments (3 of 100)

Comment	Date
Daniel T. Moul to Robin R. Bater, Jared Pulham, D. K. Grotjohn	Yesterday
All UI Design Work for enhanced queries and filters	
Chris McGraw to Robin R. Bater	Last Week
Proposed Link Type Work for M6D1	
Douglas Raith to Robin R. Bater	Last Week
Traceability for 3.0	

Page 1 of 1

Requirements (100)

Requirement	Last Modified
User scenarios for DOORS 10 tech preview	Last Week
This is a test document	Last Week
RRS shall provide a compliant implementation of OSLC RM V2.0 specification, as ...	Last Week
This is a word document.	Last Week

My Projects (22)

Project
2009 Enablement Plans
Bater Bank - Account Opening
Bater Bank - ATM
Bater Bank - Enterprise

Dashboard

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Robin R. Bater's Dashboard

General Tab

Reviews (4 of 60)

- Launched Editors modified on 2/8/10 1:45 p.m. Jan 29, 2010
- Links in sidebar modified on 4/20/10 1:45 p.m. Apr 12, 2010
- Traceability in tree view modified on 4/20/10 1:45 p.m. Apr 14, 2010
- Traceability links in grid columns modified on 4/20/10 1:45 p.m. Apr 13, 2010

Click on the review name to view the results.

Page 1 of 1

Artifacts (99)

- M6 - NOT conditions 10 minutes ago
- M5 RMWeb New and Noteworthy 30 minutes ago
- RRM 2010 Specification 1 hour ago
- M6 New and Noteworthy 2 hours ago
- Services Table 2 hours ago
- M6 Daily Standup 2 hours ago
- View Service Specification 4 hours ago

Page 1 of 15

Comments (3 of 100)

- Daniel T. Moul to Robin R. Bater, Jared Pulham, D. K. Grotjohn Yesterday
- All UI Design Work for enhanced queries and filters
- Chris McGraw to Robin R. Bater Last Week
- Proposed Link Type Work for M6D1
- Douglas Raith to Robin R. Bater Last Week
- Traceability for 3.0

Page 1 of 1

Requirements (100)

- User scenarios for DOORS 10 tech preview Last Week
- This is a test document Last Week
- RRS shall provide a compliant implementation of OSLC RM V2.0 specification, as ... Last Week
- This is a word document. Last Week

My Projects (22)

- 2009 Enablement Plans
- Bater Bank - Account Opening
- Bater Bank - ATM
- Bater Bank - Enterprise

Participant's Review

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | **Done**

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.

Artifact versions are live

Artifact	Version	Status
SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	<input checked="" type="checkbox"/> Reviewed
FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	<input checked="" type="checkbox"/> Reviewed

+ Overall Review: Draft → In progress 33% completed → Reviewed → Finalized

IBM.

jazz



Participant's Review - Artifact

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

Participant's Review: ✓ Reviewed | Your

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done end
The storyboard is the

Artifacts to Review

Click on an artifact name to open the artifact for review.
Artifact versions are live

Artifact
 SB-TRACE-003 Links sidebar interaction
 FX-LINKS-02 Traceability in links view

[Open Item](#)

FX-LINKS-02 Traceability in links view (8449)

READY FOR REVIEW

Requirements Management 22921-Traceability

Comments (7) Links (2)

here are obvious problems you see.
s some of the remaining open issues.

Status Reviewed Abstain Not reviewed

+ Overall Review: Draft → In progress 33% completed → Reviewed → Finalized

IBM.

Participant's Review - Document

The screenshot shows the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" and displays the user "Robin R. Bater" with a "Log Out" link. A search bar and help icon are also present.

The main area shows a project titled "FX-LINKS-02 Traceability (8449)" which is "READY FOR REVIEW". The status bar indicates "33% reviewed".

On the left, a sidebar titled "What we have in RRC 2.0" lists various links:

- Overview
- Comments
- Requirements (0)
- Links (0 outgoing, 2 incoming)
 - Showing 0 (of 0 Outgoing)
 - Showing 2 (of 2 Incoming)
 - Arrange shipment
 - Vision
- Implemented By

On the right, the "Overview" panel for "FX-LINKS-02 Traceability in links view (8449)" provides details:
Project: Requirements Management
Created On: 3/5/10 12:53 p.m.
Modified On: 4/10/10 10:39 a.m.
Modified By: D. K. Grotjohn

The "Comments (7)" section lists the following items:

7. Marc A. Baumbach Last Week
Reviewed in 'Links in sidebar'
6. Daniel T. Moul Apr 9, 2010
Reviewed in "Links in sidebar".
5. Daniel T. Moul to D. K. Grotjohn Apr 9, 2010
Open issues: where do users

Below these are links to "Requirements (0)" and "(Loading...)".

Participant's Review

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

- Participant's Review: ✓ Reviewed | Your role: Optional Reviewer |

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.

Artifact versions are live

Artifact	Version	Status
SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	<input checked="" type="checkbox"/> Reviewed <input type="button" value="Abstain"/>
FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	<input checked="" type="checkbox"/> Reviewed

+ Overall Review: → In progress → Reviewed → Finalized

IBM.

jazz

Participant's Review - Storyboard

Rational Requirements Composer

Robin R. Bater | Log Out | ?

Dashboard Projects Recently Viewed

Links in sidebar

Participant's Review: ✓ Reviewed Your role

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough
The storyboard is the main

Artifacts to Review

Click on an artifact name to open the artifact for review
Artifact versions are live

Artifact

SB-TRACE-003 Links sidebar interaction

FX-LINKS-02 Traceability in links view

Open Item

Apr 10, 2010 10:39 a.m.

Status

✓ Reviewed

✗ Abstain

Overall Review: Draft → In progress 33% completed → ✓ Reviewed → Finalized

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Participant's Review – Storyboard – Frame List

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

SB-TRAC... (8936) Requirements Management | UX | Designs | 22921- Traceability (53)

Reviewed Reviewed Abstain | 33% reviewed | Links in sidebar

1. <No frame title specified>
2. Links section in sidebar
3. Link items
4. Selecting a link
5. Selecting a paragraph in artifact
6. Rich hover
7. Creating Links
8. Sort and group options
9. Group by Project
10. Additional view options

Links sidebar mockup

SB-TRACE-003 Links sidebar interaction (8936)
Project: Requirements Management
Created On: 3/29/10 11:45 a.m.
Modified On: 4/8/10 12:46 p.m.
Modified By: Janet Mockler-Rowlatt

Comments (24 of 53)

53. Marc A. Baumbach Last Week
Reviewed in 'Links in sidebar'

27. Janet Mockler-Rowlatt to MUHTAR AKBULUT,
Devang Parikh Apr 8, 2010 (0 of 1 reply)
rich hovers for external URLs?

50. Douglas Raith Apr 12, 2010
Requirements
Links

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Participant's Review – Storyboard – Frame 1

Rational Requirements Composer Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 1. <No frame title spec... (8936) ▾ Requirements Management... (53)

Reviewed Reviewed 33% reviewed

Showing Relationships in Links Sidebar (FX-LINKS-02)
(Ready for review)

Note: this is not intended to show the visual design. That will be specified separately.

March 30, 2010 - First draft complete
April 5, 2010 - Updated based on review with Janet and Bill

1 2 3 4 5 6 7 8 9 10

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Participant's Review – Storyboard – Frame 2

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 2. Link... (8936) Inherits from: Link... Requirements Management... UI Design (53)

Reviewed Reviewed 33% reviewed

> Overview
> Comments (0)
v Links (n)

v Parent (1 of 1)
 Linked artifact
u Children (0 of 0)

1 No Requirements section. All links are in the Links section now.

2 Links are grouped by relationships (Link type)
* Each section can open/close.
* Keep related roles together (e.g., parent/child).
* We can also allow setting an order in link

5 No "/from element_name" info in the links

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Participant's Review – Storyboard – Frame 3

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 3. Link items (8936) Requirements Management | UX | Design... UI Design (53)

Reviewed Reviewed Abstain 33% reviewed

> Overview
> Comments (0)
v Links (n)

v Parent (1 of 1)
 Linked artifact

v Children (2 of 2)

1 2 3 4 5 6 7 8 9 10

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Participant's Review – Storyboard – Frame 4

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

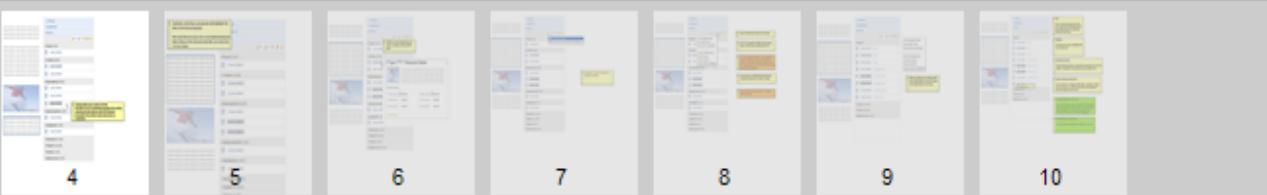
Go to Frame List 4. Selecting ... (8936) Requirements Management | UX | Design... UI Design (53)

Reviewed Reviewed 33% reviewed

> Overview
> Comments (0)
v Links (n)
 Parent (1 of 1)
Linked artifact
v Children (2 of 2)

1 2 3 4 5 6 7 8 9 10

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Participant's Review – Storyboard – Frame 5

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 5. Selecting ... (8936) Requirements Management | UX | Design... (53)

Reviewed Reviewed 33% reviewed

1 Similarly, selecting a paragraph will highlight the links from that paragraph.
We need this because we're not implementing the links dialog at the element level like we had in the 2.0 rich client.

new
Items (0)

v Parent (1 of 1)
 Linked artifact

v Children (2 of 2)

1 2 3 4 5 6 7 8 9 10



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jazz

Participant's Review – Storyboard – Frame 6

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 6. Rich hover (8936) Requirements Management | UX | Design... UI Design (53)

Reviewed Reviewed 33% reviewed

> Overview
> Comments (0)
v Links (n)

v Parent (1 of 1)
 Linked artifact **2 All items in list should have rich hover, including CALM and RM links.**

v Children (2 of 2)

1 2 3 4 5 6 7 8 9 10

IBM.

Participant's Review – Storyboard – Frame 7

The screenshot shows the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation links for "Dashboard", "Projects", and "Recently Viewed". The main content area displays a storyboard frame titled "7. Creating ... (8936)". The frame has a progress bar indicating "33% reviewed" and a link to "Links in sidebar". On the left, there is a text area containing placeholder text ("Lorem ipsum"). A blue rectangular selection box highlights a portion of this text. On the right, a sidebar panel shows navigation links like "Overview", "Comments (0)", and "Links (n)". Under "Links (n)", there is a section for "Parent (1 of 1)" which lists a "Linked artifact". A context menu is open over this artifact, with the option "Create new link for artifact" highlighted. The storyboard frame below shows ten numbered cards (1-10) representing different storyboard frames. The bottom right corner features the "jazz" logo.

Participant's Review – Storyboard – Frame 8

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 8. Sort and ... (8936) Requirements Management | UX | Design... UI Design (53)

Reviewed Reviewed 33% reviewed

> Overview
> Comments (0)
v Links (n)

v Parent (1 c)
Linked
v Children

x Sort by Artifact Name
Sort by Artifact Type
Sort by Date Last Modified

5 Group by Relationship should be the default
2 In 2.0.0.2, we added the ability to a...
Projects. We'll need to maintain th...

1 2 3 4 5 6 7 8 9 10

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Participant's Review – Storyboard – Frame 9

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Go to Frame List 9. Group by ... (8936) Requirements Management | UX | Design... (53)

Reviewed Reviewed Abstain | 33% reviewed |

> Overview
> Comments (0)
v Links (n)

v Project 1
 Linked artifact (Parent)
 Linked artifact (Child)

x Sort by Artifact Name
Sort by Artifact Type
Sort by Date Last Modified

Group by Relationship

1 2 3 4 5 6 7 8 9 10

IBM

Participant's Review – Storyboard – Frame 10

The screenshot shows the Rational Requirements Composer interface. At the top, there's a navigation bar with 'Rational Requirements Composer', the user 'Robin R. Bater | Log Out', a search bar, and a help icon. Below the bar, there are links for 'Dashboard', 'Projects', and 'Recently Viewed'. A breadcrumb trail shows 'Requirements Management | UX | Design...' and 'UI Design'. There are also icons for comments (53), attachments, and other actions.

The main area displays a storyboard frame titled '10. Addition... (8936)'. The frame has a progress bar indicating '33% reviewed' and a link to 'Links in sidebar'. On the left, there's a text area with placeholder text 'Lorem ipsum' repeated four times. Below it is a box containing four lines of the same placeholder text. To the right of the text areas is a sidebar with links like 'Overview', 'Comments (0)', and 'Links (n)'. Under 'Links (n)', there's a section for 'Project 1' with a 'Linked artifact (Parent)' entry. The bottom of the frame shows a grid of numbered cards from 1 to 10, each representing a storyboard card. The card for '10' is highlighted with a blue border.

1 Filter
Filter by relationship (link type) will be more important than filtering by artifact type, although I guess we could keep filtering by artifact type.

2 Highlight
We will need to support highlighting like the rich client has.

Participant's Review

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | **Done**

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.

Artifact versions are live

Artifact	Version	Status
SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	<input checked="" type="checkbox"/> Reviewed
FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	<input checked="" type="checkbox"/> Reviewed

+ Overall Review: Draft → In progress 33% completed → Reviewed → Finalized

IBM.

jazz



Overall Review

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | **Done**

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

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+ Overall Review: Draft → In progress 33% completed → Reviewed → Finalized

jazz

Overall Review

Rational Requirements Composer

Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar

+ Participant's Review: ✓ Reviewed | Your role: Optional Reviewer

- Overall Review: Draft → In progress 33% completed → ✓ Reviewed → Finalized

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Participants

Participant	Type of Participant	Review results
Bill Andreas	Optional Reviewer	
Daniel T. Moul	Optional Reviewer	✓ ✓
Douglas H. Bush	Optional Reviewer	
Douglas Raith	Optional Reviewer	✓

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Benefits

Key benefits experienced by the team

Increased the range and depth of stakeholder participation

Elicited more and better feedback before code was written

- ▶ In requirements
- ▶ In feature design

Less churn / rework

Converged faster on the “right” requirements

Identified gaps and clarified misunderstandings more quickly

Better productivity through lower cost, higher value communication

Developers and testers communicated better among themselves, especially across component teams.

Stakeholders

- Product managers
 - ▶ *"RRC made possible a new level of transparent collaboration between our various stakeholders... the product management team was more involved in early reviews of feature designs. Information was more visible, and RRC's collaborative platform made it easier to provide feedback on a daily basis. This led to better decisions made earlier, fewer surprises, and less rework due to misunderstood requirements." – Daniel Moul*
- User Experience Designer
 - ▶ *"Using the UI sketches and storyboards, you can very quickly create some high level designs that illustrate the basic flow, UI components, layout, etc. You can then get immediate feedback from anybody on the product team and easily iterate on UI designs based on the feedback." – Kirk Grotjohn, User Experience Engineer*
- Architects
 - ▶ *"Composer allowed me to enable scenario driven development and address the key pain points in defining integrations with other products. Rational Requirements Composer has definition techniques that brought clarity to aspects like Release Requirements, Green Thread/ Scenario Definitions, Technical Architecture, Data Model (Resource Representations), System Use Cases, Usability, and Integrations with other products. The Collaboration capabilities allowed me to quickly socialize with key stakeholders..." – Vishy Ramaswamy, Architect*



Stakeholders

- Quality Test Engineers
 - ▶ *"It was a "one stop shop" to get everything needed related to design and proposed implementation. This makes collecting input for testing easier"*
– Mario Maldari, System Test Lead
- Developers
 - ▶ *"As a collaborative leader, Rational Requirements Composer is a perfect fit for me. It allowed me to share ideas easily using comments, sketches and textual documents"*
- Devang Parikh, Development Lead
- Consultants
 - ▶ *..As a member of the field I am not invited or able to attend many of the development discussions, so by spending 10 minutes, I log onto the self-host project dashboard and see what is new...and if there is clarification or contribution I can make I add a comment and direct it to the appropriate team member"*
– Robin Bater

Rational Requirements Composer Customer Quote

"We have chosen to evaluate Rational Requirements Composer (RRC) in a number of pilot projects and we will potentially deploy it to more than 300 users. We are doing this as we believe that RRC will enable us to improve both the efficiency and effectiveness with which we perform business analysis in our development projects. This includes a faster path to identifying the right solution, describing what to develop and establishing a basis for follow-up on benefit realization.

We are especially looking forward to leveraging the many features in the tool that enable close collaboration with various representatives of the intended users of the solution being developed. As we work to further enable and adopt agile development practices in Danske Bank, RRC will be an important component in allowing us to scale agile development practices to meet the needs of a large development organization with an extensive portfolio of systems and a diverse set of stakeholders."

Christian Michael Bornfeld
First Vice President, Architecture, Business Development and Test
Danske Bank

*Delivering greater business value faster with
lean requirements practices*



Rational Requirements Composer Customer Quote

“In general, the product is very simple and easy to use with a nice and customizable UI. The Web UI is a great addition to (Requirements Composer) v2 so that we can review, comment and verify artifacts with clients and other team members.”

- A financial consulting client

*Delivering greater business value faster with
lean requirements practices*



Rational Requirements Composer Customer Quote

"Our project team used RRC on a requirements definition project involving 13000 stakeholders and very tight timeframe to deliver.

We used RRC in our environment internally to capture and organize the client's existing documentation, to capture and organize our interview notes, whiteboard sketches, survey results etc. for re-work and ultimately assembly into a final deliverable document for the client.

RRC dramatically reduced the time taken to do internal assembly, discussion, and finalization of deliverable documents internally. If we had provided the client stakeholders with access, the time would have been reduced even more dramatically.

We integrated with Requisite Pro as we identified requirements to manage them formally and then brought back reports from Requisite Pro into the deliverable documents as we sliced and diced the requirements identified in different ways.

Although we did not use all the functionality of the RRC product on this particular engagement, I highly recommend the product for other consulting organizations, particularly if they can involve the client stakeholders in the collaborative process."

- Brian Beveridge, Co-Founder, Greenridge Business Systems

*Delivering greater business value faster with
lean requirements practices*



Rational Requirements Composer Customer Quote

“Rational Requirements Composer has been engineered with the business analyst in mind. The vast array of options linking artifacts sensibly with one another give it a definite benefit over using older, document-based approached to defining requirements. The web access to these artifacts brings the requirements domain into the current technology space. I can simply send a URL out for review over managing numbers of files for consensus. This product is clearly a step up from our current methodology.”

- *Randy Haven, IBM Global Business Services*

*Delivering greater business value faster with
lean requirements practices*



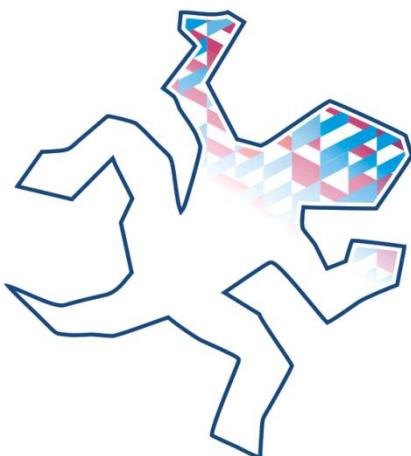
Questions



Innovate2010

The Rational Software Conference

Let's **build** a smarter planet.



Color me for a chance to win your
own stuffed lounge lizard

Join the conversation... **Users First Lounge**

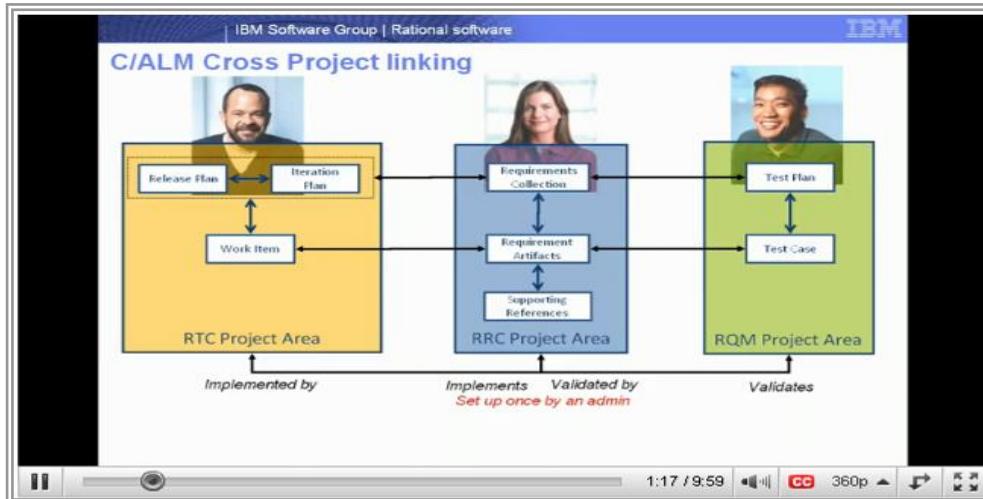
We invite you to spend some time at the **Users First Lounge**, sponsored by the IBM Rational Common Components team. Come in, have a look at what we are working on, and give us your feedback! This is a chance to **share your thoughts** and **influence the design and testing** of Rational software!



Join us in Europe 3
Monday to Wednesday - 10am to 6pm
Or contact kgrot@us.ibm.com (for RDM)



Videos: Rational Requirements Composer in Collaborative Application Lifecycle Management



See how Requirements Composer works with both Rational Team Concert and Rational Quality Manager

www.youtube.com/watch?v=rpNQiGsAhyU

IBM Rational™ Collaborative ALM Demo / The Jazz Revolution

Phil Johnson, Business Analyst and Product Owner

Mission: Transform good ideas into actionable requirements

Primary Solution: IBM Rational Requirements Composer

Activities:

- Reviews and prioritizes the new Jam Audition requirement
- Explores the requirement storyboard and team comments
- Reprioritizes scope of the next release
- Keeps the team focused on delivering value

VIVA LA JAZZ REVOLUTION

Business Analyst and Product Owner of Jam Session

Introduction VP Development Phil Johnson, Product Owner Team Lead Developer Test Lead Closing

00:05 | 01:50

Why requirements are the foundation of your collaborative lifecycle management solution

Daily iPod Touch giveaway

- Complete your session surveys online each day at a conference kiosk or on your Innovate 2010 Portal!
- Each day that you complete all of that day's session surveys, your name will be entered to win the daily IPOD touch!
- On Wednesday be sure to complete your full conference evaluation to receive your free conference t-shirt!

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