

Synchronizing Your Application Lifecycle

Having to choose between purchasing a requirements management, quality assurance, issue tracking or project management system? Tired of having to manually 'glue' together a patchwork of tools from different vendors?

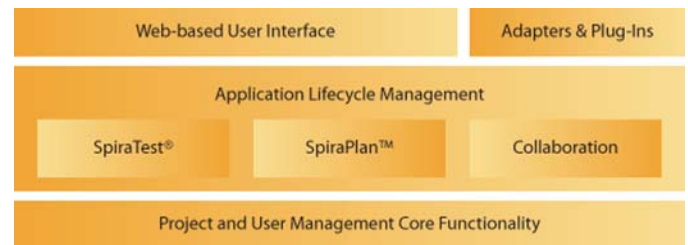
SpiraTeam® is an Application Lifecycle Management (ALM) system that manages your requirements, releases, tests, issues and tasks in one integrated environment.

Key Features Include:

- Requirements & Project Management**
 SpiraTeam allows you to create and manage your project's requirements list, estimate and schedule the work and allocate the task items against your master release/iteration schedule.
- Quality Assurance & Test Management**
 With SpiraTeam, you can create, edit and execute test-cases, map those tests to requirements to track coverage, and assign into test sets for execution. Includes a built-in integrated bug/issue tracker.
- Collaboration & Reporting**
 SpiraTeam makes use of personalized dashboards and customizable reporting to foster communications and collaboration. In addition, you can attach documents and URLs to all artifacts.

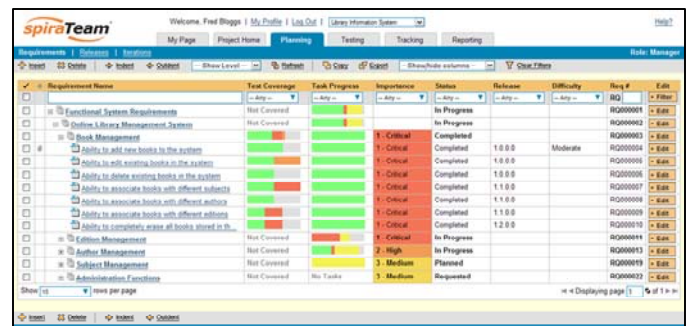
Project Summary Dashboards

Each project has a dashboard home-page that summarizes all of the information regarding the project into a comprehensive, easily digestible form that provides a "one-stop-shop" for people interested in understanding the overall status of the project at a glance:



Requirements Management

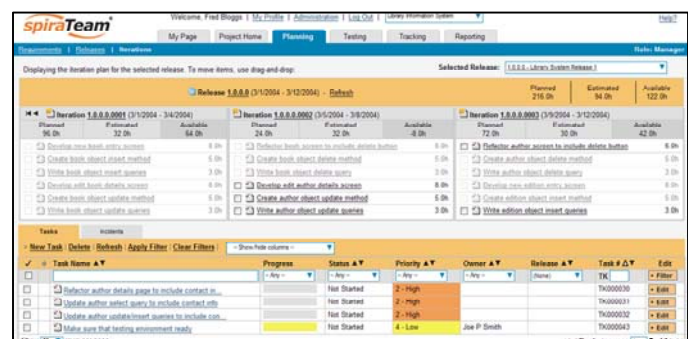
At the initial stages of a project, the project manager will use SpiraTeam® in conjunction with the business users to determine the initial high level scope of the project, the key features and requirements. Once complete, each requirement can be mapped to test cases that validates that the functionality is testable and works correctly.



Release and Iteration Planning

SpiraTeam® provides the ability to track different releases of the project being managed. From a project planning perspective, the releases are the major milestones in the project, which are further sub-divided into iterations which are separate mini-projects with associated project scope and tasks.

Once the high-level release schedule has been finalized, the requirements defined in the project backlog can then be prioritized and scheduled against the appropriate release and iteration according to their business priority. In addition, during the testing cycle, the test runs and incidents are associated with a particular release/iteration:



Test Case Management

SpiraTeam® provides the ability to create, edit and delete project test cases that are stored in a hierarchical folder structure that will be familiar to users from other applications. Each test case consists of a set of test steps that represent the individual actions a user must take to complete the test.

In addition, each test case is mapped to one or more requirements that the test is effectively validating, providing the test coverage for the requirement. This provides complete traceability from a recorded incident to the underlying requirement that was not satisfied

| Test Case Name | Execution Status | Owner | Last Executed | Author | Active | Test # |
|--|------------------|-------------|---------------|-------------|--------|----------|
| Functional Tests (2) | | | | | | |
| Ability to create new book | Failed | Fred Bloggs | 1-Dec-2003 | Fred Bloggs | Yes | TC000001 |
| Ability to edit existing book | Failed | Fred Bloggs | 1-Dec-2003 | Fred Bloggs | Yes | TC000002 |
| Ability to create new author | Failed | Joe P Smith | 1-Dec-2003 | Fred Bloggs | Yes | TC000003 |
| Ability to edit existing author | Failed | Joe P Smith | 1-Dec-2003 | Fred Bloggs | Yes | TC000004 |
| Ability to assign author to different author | Failed | Joe P Smith | 1-Dec-2003 | Fred Bloggs | Yes | TC000005 |
| Regression Tests (2) | | | | | | |
| Regression Tests (1) | | Joe P Smith | | Joe P Smith | Yes | TC000006 |
| Regression System Tests (1) | | Joe P Smith | | Joe P Smith | Yes | TC000007 |
| Person does book and needs to import data | Not Run | Joe P Smith | | Joe P Smith | Yes | TC000008 |
| Adding new book and author to library | Not Run | Joe P Smith | | Joe P Smith | Yes | TC000009 |
| Common Tests (0) | | | | | | |
| Open Up Web Browser | Passed | | 1-Dec-2003 | Fred Bloggs | Yes | TC000010 |
| Login to Application | Not Run | | 1-Dec-2003 | Fred Bloggs | Yes | TC000011 |

Once the test plan has been completed, you can assign test cases to test sets so that they can be executed by testers. During execution there is complete traceability from a recorded defect to the underlying requirement.

Storyboard and Task Assignment

One the project is underway, the combined business and technical team work together to develop the sprint plan for the iterations, breaking up the features into discrete tasks and assigning the tasks to the individual team members:

| Task ID | Task Name | Owner | Estimated Effort | Proposed Effort |
|---------|---|-------------|------------------|-----------------|
| TSK1 | Devolve new book entry screen | Fred Bloggs | 10.0h | 10.0h |
| TSK2 | Create book object insert method | Fred Bloggs | 5.0h | 5.0h |
| TSK3 | Write book object insert queries | Fred Bloggs | 5.0h | 5.0h |
| TSK4 | Refactor book screen to include delete button | Joe P Smith | 10.0h | 10.0h |
| TSK5 | Devolve add author details screen | Joe P Smith | 10.0h | 10.0h |
| TSK6 | Create author object update method | Joe P Smith | 5.0h | 5.0h |
| TSK7 | Write author object update queries | Joe P Smith | 5.0h | 5.0h |

During development as the team work to complete the various tasks and stories, the system will track changes in the actual effort to determine if the plan needs to be rebalanced to ensure on-time, on-budget delivery.

Incident / Defect Tracking

SpiraTeam® provides the ability to create, edit, assign, track, manage and close incidents (i.e. bugs, issues, risks, defects, enhancements) that are raised during the testing of the software system under development. Incidents can be categorized into bugs, enhancements, issues, training items, limitations, change requests, and risks, and each type has its own specific workflow and business rules.

Incident Name: Cannot add a new book to the system [N 000071]

Name: Cannot add a new book to the system

Status: Assigned

Type: Bug

Priority: 1-Critical

Severity: 3-Medium

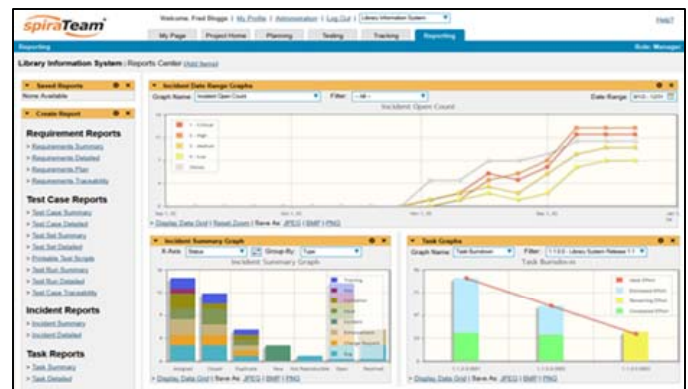
Owner: Fred Bloggs

Description: When I click on the button to add a book, enter the new information and click submit, I get a subscript out of range error

Reporting and Analysis

SpiraTeam® provides a customizable reporting dashboard that includes printable reports and interactive graphs:

- > Requirements Coverage and Planning Reports
- > Test Case, Test Run and Test Script Reports
- > Project Velocity, Burndown and Burnup charts
- > Incident Discovery, Turnaround, Aging charts
- > Release List and Release Plan Reports



To learn more about SpiraTeam®, and how it will transform project management and quality assurance in your organization, please visit www.inflectra.com or contact us at:

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