



JIRA AGILE FOR SCRUM FRAMEWORK

Long Q Truong

Course Objectives

- At the end of the course, you will acquire sufficient knowledge of Jira Agile tool and can start applying it into your project
- You will have the knowledge of
 - Backlog Management
 - Sprint Planning / Tracking
 - Epic Planning / Tracking
 - Version Planning / Tracking
 - Working with Issues (Epic, User Story, Task)
 - Agile Reports

Course Audience and Prerequisite

- The course is for everyone who work in a project
- The following are prerequisites to Jira Agile course
 - Basic knowledge of Agile Process

Assessment Disciplines

- Class Participation: 70%
- Practice: 30%
- Passed Score: 80%

Course Administration

- In order to complete the course you must
 - Sign in the Class Attendance List
 - Participate in the course and complete assignment
 - Provide your feedback in the End of Course Evaluation

Duration and Course Timetable

- Course Duration: 3 hours
 - Tool Introduction: 2 hours
 - Practice: 1 hour



Agenda

- I. JIRA Agile Introduction**
- II. JIRA Agile with Scrum**
- III. Practice**
- IV. Q & A**

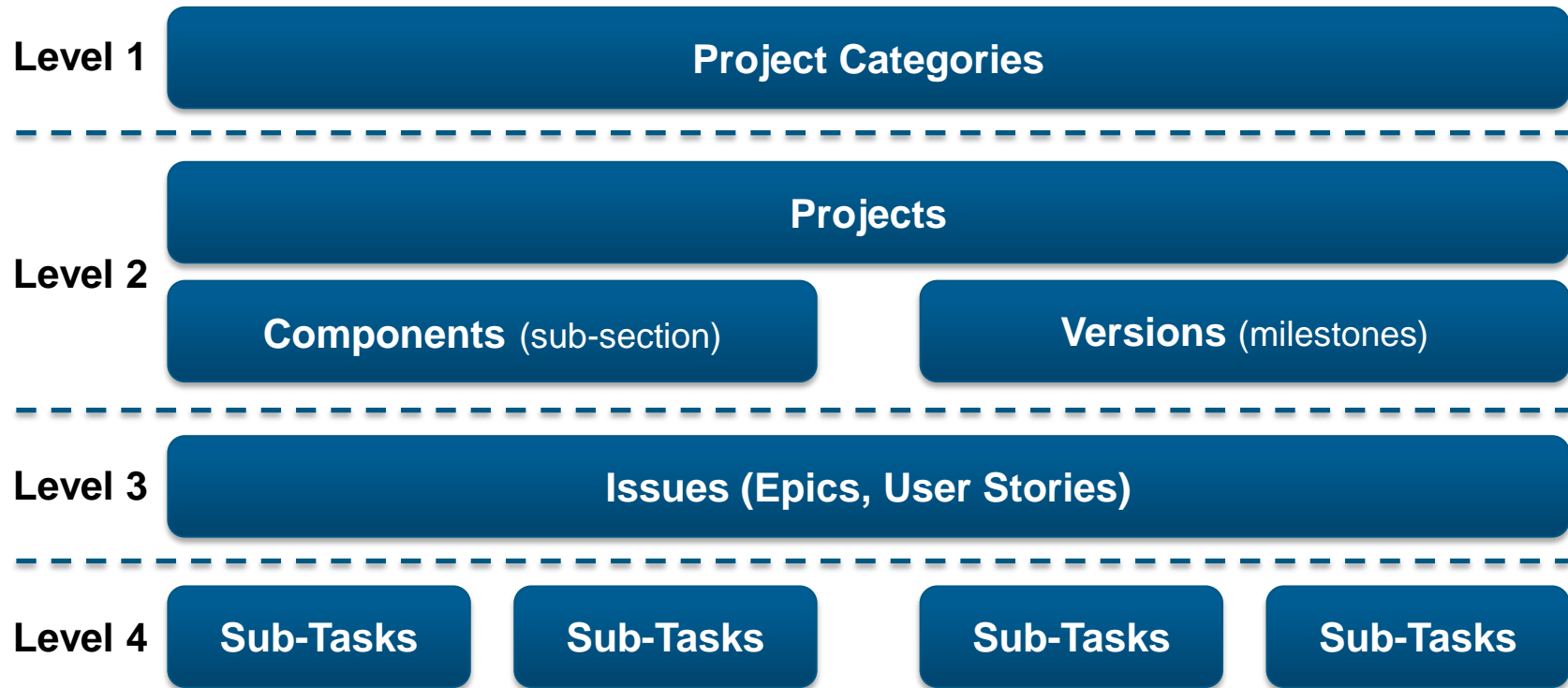


JIRA Agile Introduction

JIRA Agile Overview

- JIRA Agile is
 - A tool for Agile framework
 - Available as a downloadable package and on-demand service
- With JIRA Agile , the team can
 - Create and maintain product backlog
 - Estimate user stories
 - Build a sprint backlog
 - Identify velocity
 - Visualize team activity
 - Report on team progress
- JIRA Agile can integrate with Confluence, Bamboo, Jenkins, Git, Stash, Crucible, etc.

JIRA Agile Concepts



Upgrade from JIRA to JIRA Agile

1. Log in to JIRA as a user with the '**JIRA System Administrators**' global permission
2. Click the '**cog**' icon on the top bar (or click Administration if using an older version of JIRA) and select Add-ons
3. On the **Find new add-ons** page, type '**JIRA Agile**' in the search box.
4. The JIRA Agile add-on will appear in the list below the search box
5. Click the **Buy Now** or **Free Trial** button to start the installation process



JIRA Agile with Scrum

Scrum Framework Overview

Pre-game Phase

- Create product backlog

Game Phase

- Sprint Planning Meeting
- Daily Standup Meeting
- Backlog Refinement Meeting
- Sprint Review Meeting
- Sprint Retrospective Meeting

Post-game Phase

- Closure

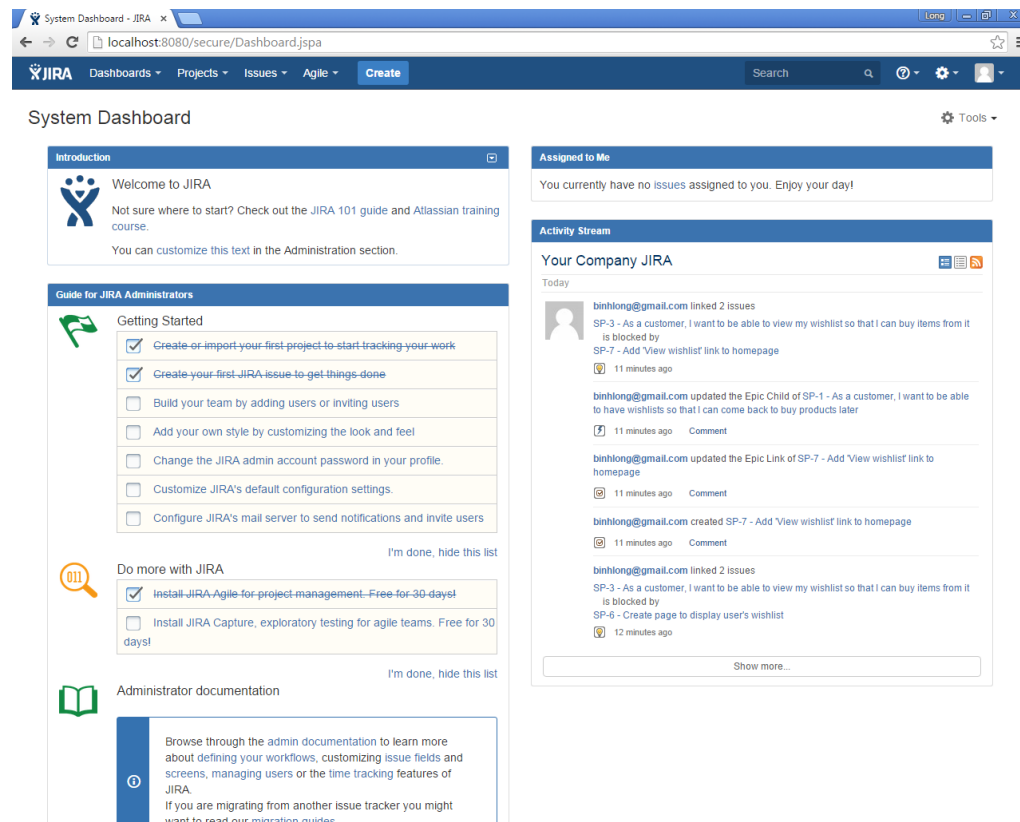
Scrum Roles: Product Owner, Scrum Master, Team (System Administrator, Project Lead, Development Team, etc.)



Administrative Tasks

System Administrator – Dashboard

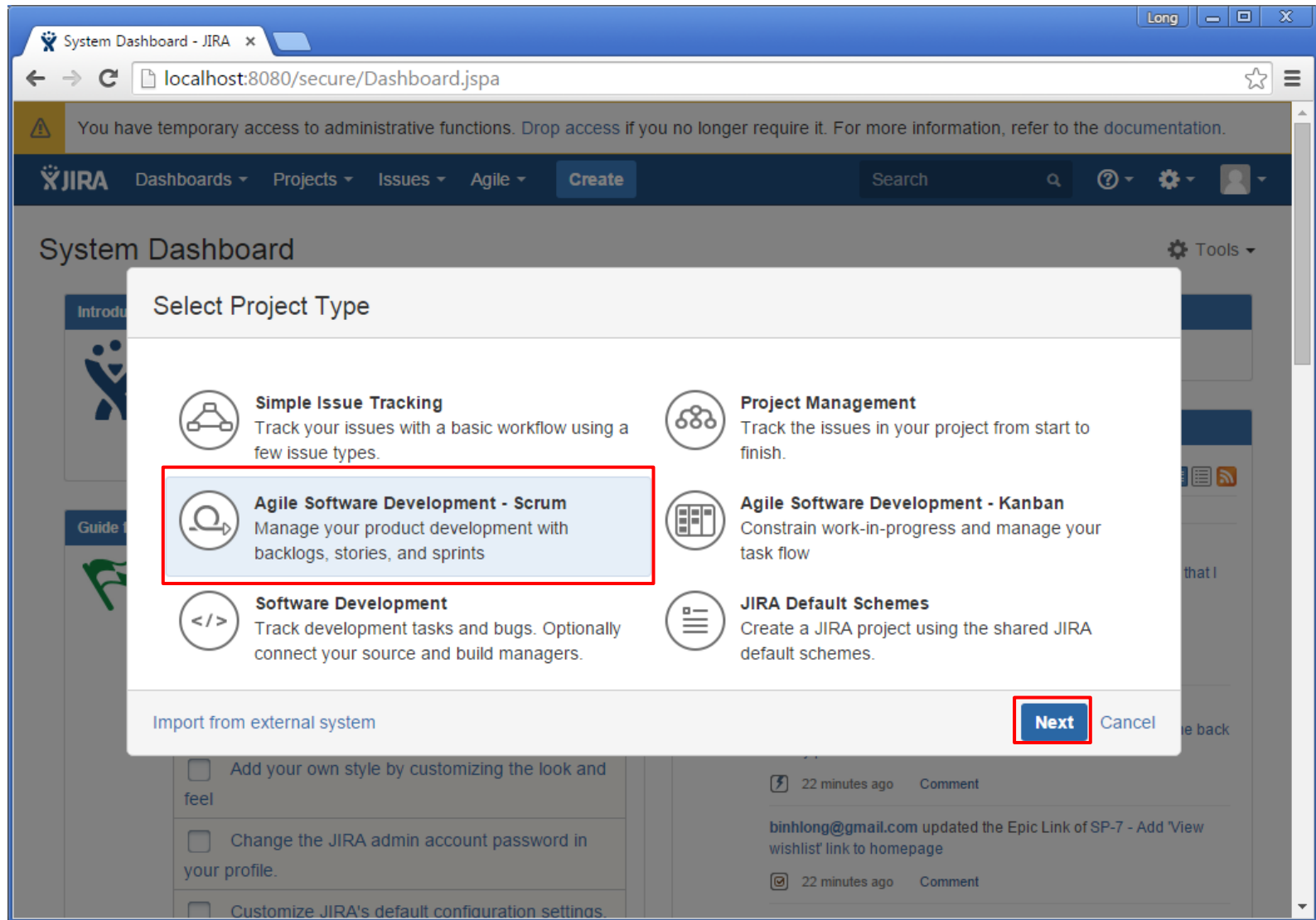
- Dashboards is the first screen user see when logging in to the system
- Dashboard can be configured to display many different types of information, depending on areas of interest



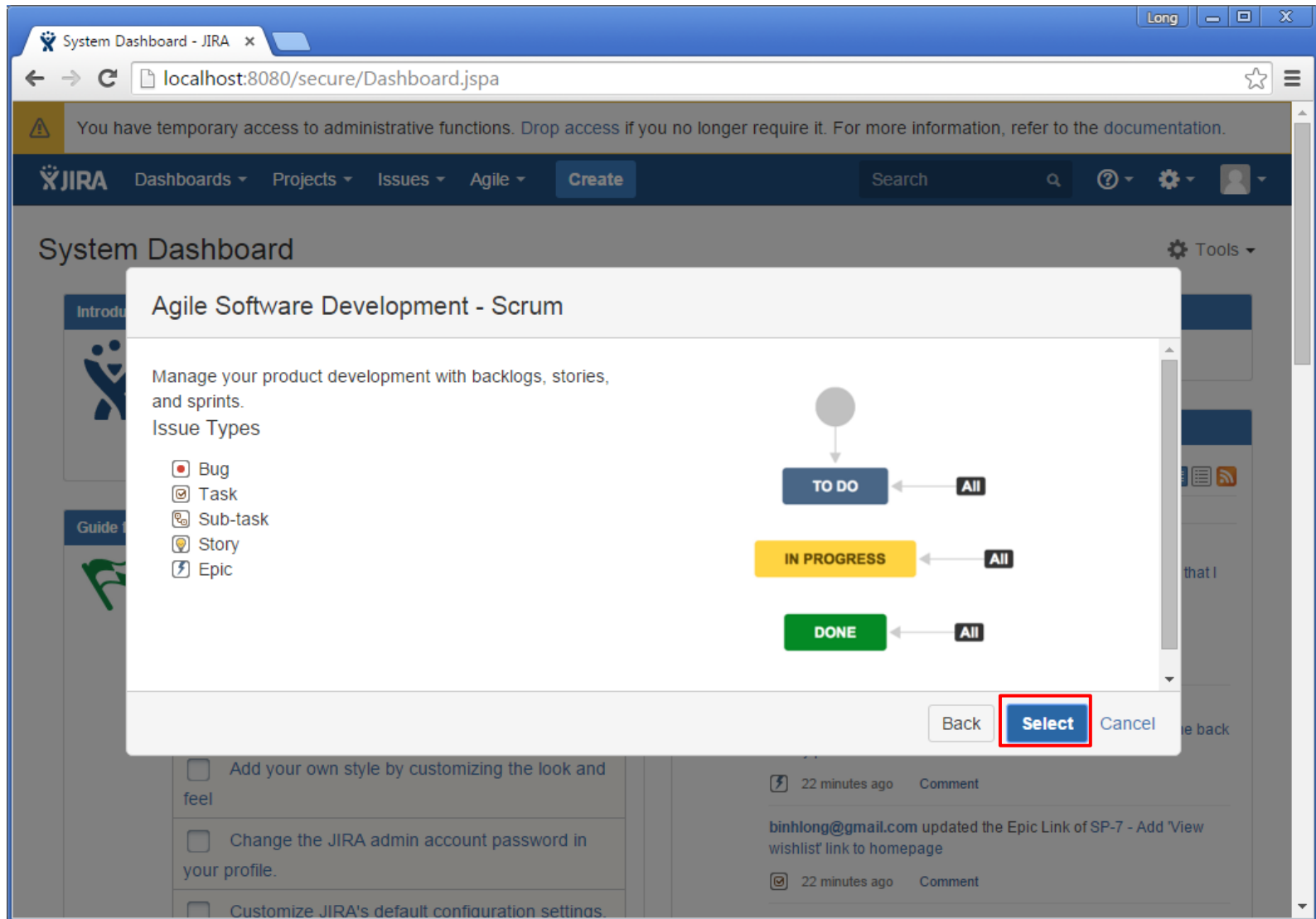
System Administrator – Create Project

The screenshot shows the JIRA System Dashboard in a web browser. The browser's address bar displays 'localhost:8080/secure/Dashboard.jspa'. A yellow warning banner at the top states: 'You have temporary access to administrative functions. Drop access if you no longer require it. For more information, refer to the documentation.' The navigation bar includes the JIRA logo, 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. A search bar and user profile icon are also present. The 'Projects' dropdown menu is open, showing options: 'CURRENT PROJECT', 'Sample Project (SP)', 'View All Projects', 'Import External Project', and 'Create Project' (which is highlighted with a red rectangle). Below the dropdown, the 'System Dashboard' section includes an 'Introduction' with a welcome message and a 'Guide for JIRA Administrators' section with a 'Getting Started' checklist. The checklist items are: 'Create or import your first project to start tracking your work' (checked), 'Create your first JIRA issue to get things done' (checked), 'Build your team by adding users or inviting users' (checked), 'Add your own style by customizing the look and feel' (unchecked), and 'Change the JIRA admin account password in your profile' (unchecked). On the right side, the 'Assigned to Me' section shows 'You currently have no issues assigned to you. Enjoy your day!'. The 'Activity Stream' section, titled 'Your Company JIRA', shows a list of activities from 'binhlong@gmail.com', including linking issues and updating epics.

System Administrator – Create Project – Select Project Type



System Administrator – Create Project – Review Workflow



Scrum Simplified Workflow

- Has three default steps for Scrum boards: ***To Do, In Progress, Done***
- Allows issues to be dragged freely between columns
- Displays no screens on any transitions – all transitions will happen instantly
- Automatically sets a resolution of 'Done' when issues are transitioned to the 'successful' column

System Administrator – Create Project – Enter Properties

The screenshot shows the JIRA System Dashboard with a modal window for creating a new project. The modal is titled "Agile Software Development - Scrum". It contains three input fields: "Name" with the value "Another Sample Project", "Key" with the value "ASP", and "Project Lead" with the value "binhlong@gmail.com". Below each field is a character limit: "Max. 80 characters." for Name, "Max. 10 characters." for Key, and "Enter the username of the Project Lead." for Project Lead. To the right of the form is a description: "Agile Software Development - Scrum. You are creating a project for a Scrum team. You may want to name this project after the product or development team that will use it." At the bottom right of the modal are three buttons: "Back", "Submit" (highlighted with a red box), and "Cancel". The background shows the JIRA System Dashboard with a navigation bar and a sidebar.

System Dashboard - JIRA

localhost:8080/secure/Dashboard.jspa

You have temporary access to administrative functions. Drop access if you no longer require it. For more information, refer to the documentation.

JIRA Dashboards Projects Issues Agile Create Search ? ? ? ? ? ? ? ? ? ?

System Dashboard Tools

Agile Software Development - Scrum

Name Another Sample Project
Max. 80 characters.

Key ASP
Max. 10 characters.

Project Lead binhlong@gmail.com
Enter the username of the Project Lead.

Agile Software Development - Scrum
You are creating a project for a Scrum team. You may want to name this project after the product or development team that will use it.

Back Submit Cancel

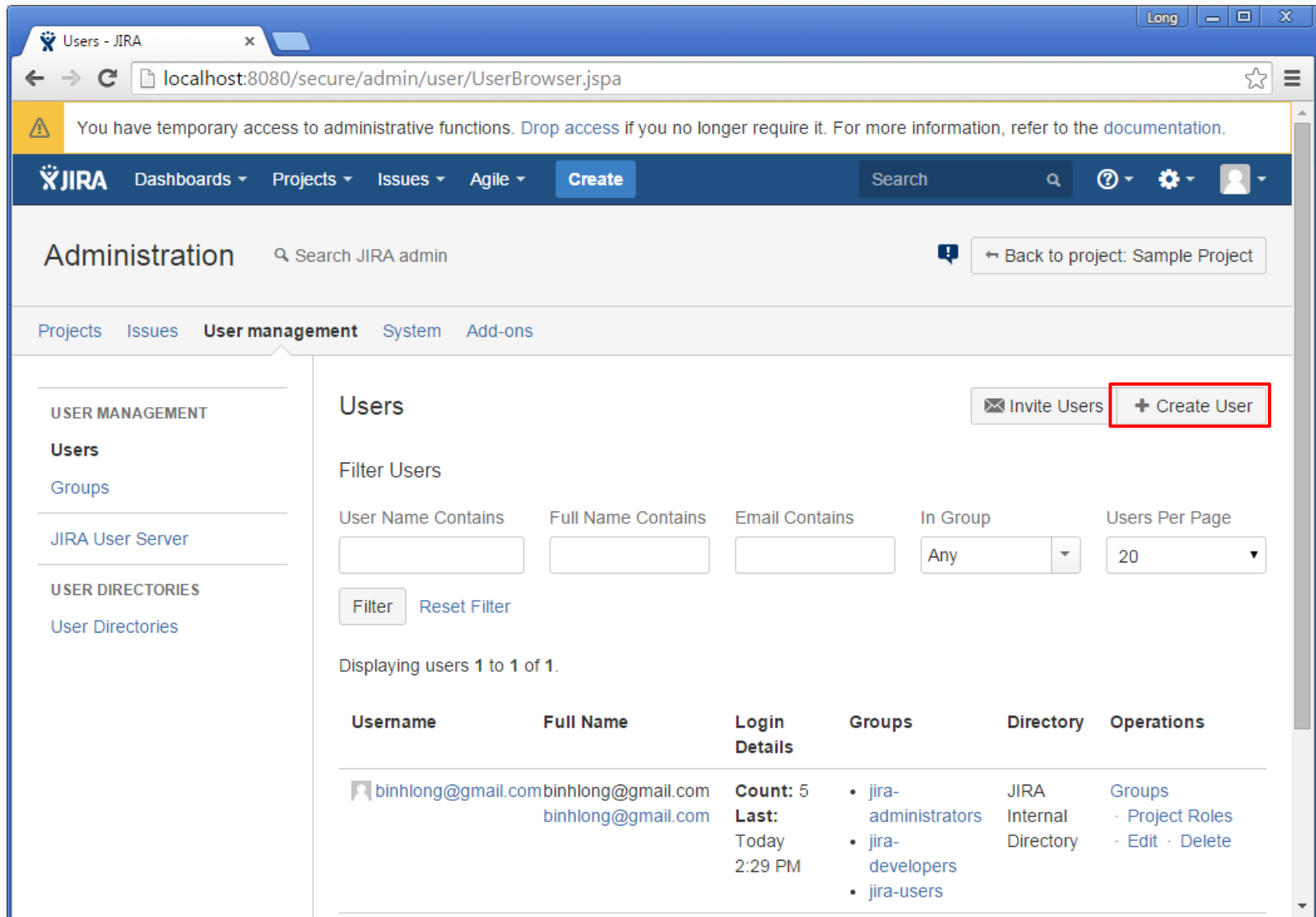
System Administrator – User Management

The screenshot shows the JIRA System Dashboard in a web browser. The browser's address bar displays `localhost:8080/secure/Dashboard.jspa`. The JIRA navigation bar at the top includes links for Dashboards, Projects, Issues, and Agile, along with a 'Create' button and a search field. A dropdown menu is open from the settings gear icon, showing options: JIRA ADMINISTRATION, Projects, Issues, **User management** (highlighted with a red rectangle), System, and Add-ons. The main dashboard content is divided into several sections: 'Introduction' with a welcome message and links to guides; 'Assigned to Me' showing no assigned issues; 'Activity Stream' titled 'Your Company JIRA' showing recent activity by 'binhlong@gmail.com'; and a 'Guide for JIRA Administrators' section with a 'Getting Started' checklist. The bottom of the browser window shows the address bar with `localhost:8080/secure/admin/user/UserBrowser.jspa`.



Select User Management to add/edit/delete users

System Administrator – User Management – List All Users



The screenshot shows the JIRA System Administrator interface. The top navigation bar includes the JIRA logo, a search bar, and a 'Create' button. The main navigation bar has tabs for 'Projects', 'Issues', 'User management', 'System', and 'Add-ons'. The 'User management' tab is selected, and the 'Users' sub-tab is active. On the left sidebar, under 'USER MANAGEMENT', 'Users' is selected. The main content area shows the 'Users' page with a 'Filter Users' section containing input fields for 'User Name Contains', 'Full Name Contains', 'Email Contains', 'In Group', and 'Users Per Page'. Below these fields are 'Filter' and 'Reset Filter' buttons. A message states 'Displaying users 1 to 1 of 1.' Below this is a table with columns: Username, Full Name, Login Details, Groups, Directory, and Operations. The table contains one user entry. The 'Create User' button is highlighted with a red box.

Users


Filter Users

User Name Contains Full Name Contains Email Contains In Group Users Per Page

Any 20


Filter Reset Filter

Displaying users 1 to 1 of 1.

Username	Full Name	Login Details	Groups	Directory	Operations
 binhlong@gmail.com	binhlong@gmail.com binhlong@gmail.com	Count: 5 Last: Today 2:29 PM	<ul style="list-style-type: none">jira-administratorsjira-developersjira-users	JIRA Internal Directory	Groups · Project Roles · Edit · Delete

System Administrator – User Management – Create User

Create New User



There are currently 1 total user(s) set up in JIRA, of which 1 are active and count towards your license limit.

Username*

student1

Password

.....

If you do not enter a password, one will be generated automatically.

Confirm

.....

Full Name*

Student 1

Email*

student1@email.com|

☐ Send Notification Email

Send an email to the user you have just created, which will allow them to set up their password (if applicable).

Create

Cancel

Project Lead – Manage Board

The screenshot shows the JIRA System Dashboard in a web browser. The browser's address bar displays `localhost:8080/secure/Dashboard.jspa`. A yellow warning banner at the top states: "You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#)."

The navigation bar includes the JIRA logo, "Dashboards", "Projects", "Issues", "Agile", and a "Create" button. A search bar and user profile icon are also present. The "Agile" menu is open, showing a list of "RECENT BOARDS" (Sample Project, Another Sample Project, more...) and a "Manage Boards" option, which is highlighted with a red rectangle. Below the menu, a "Manage all boards" button is visible.

The main content area is titled "System Dashboard" and includes a "Tools" dropdown. It features several sections: "Introduction" with a welcome message and links to training and customization; "Assigned to Me" with a message about assigned issues; "Activity Stream" with a section for "Your Company JIRA" showing recent activity by `binhlong@gmail.com`; and "Guide for JIRA Administrators" with a "Getting Started" checklist. The checklist items are: "Create or import your first project to start tracking your work", "Create your first JIRA issue to get things done", and "Build your team by adding users or inviting users".

The browser's address bar at the bottom shows `localhost:8080/secure/ManageRapidViews.jspa`.



Project lead can configure board properties

Project Lead – Manage Board

Boards - JIRA

localhost:8080/secure/ManageRapidViews.jspa

You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#).

JIRA Dashboards ▾ Projects ▾ Issues ▾ Agile ▾ Create Search ? ⚙️ 👤 ▾

Boards

Create board

Recently visited boards

[All boards](#)

Board name	Board type	Administrators	Saved Filter	Visibility
Sample Project	Scrum	binhlong@gmail.com	Filter for Sample Project	RESTRICTED ⋮
Another Sample Project	Scrum	binhlong@gmail.com	Filter for Another Sample Project	⋮

Configure
Copy
Delete

Atlassian JIRA Project Management Software (v6.4.10#64025-sha1:5b8b740) · [About JIRA](#) · [Report a problem](#)

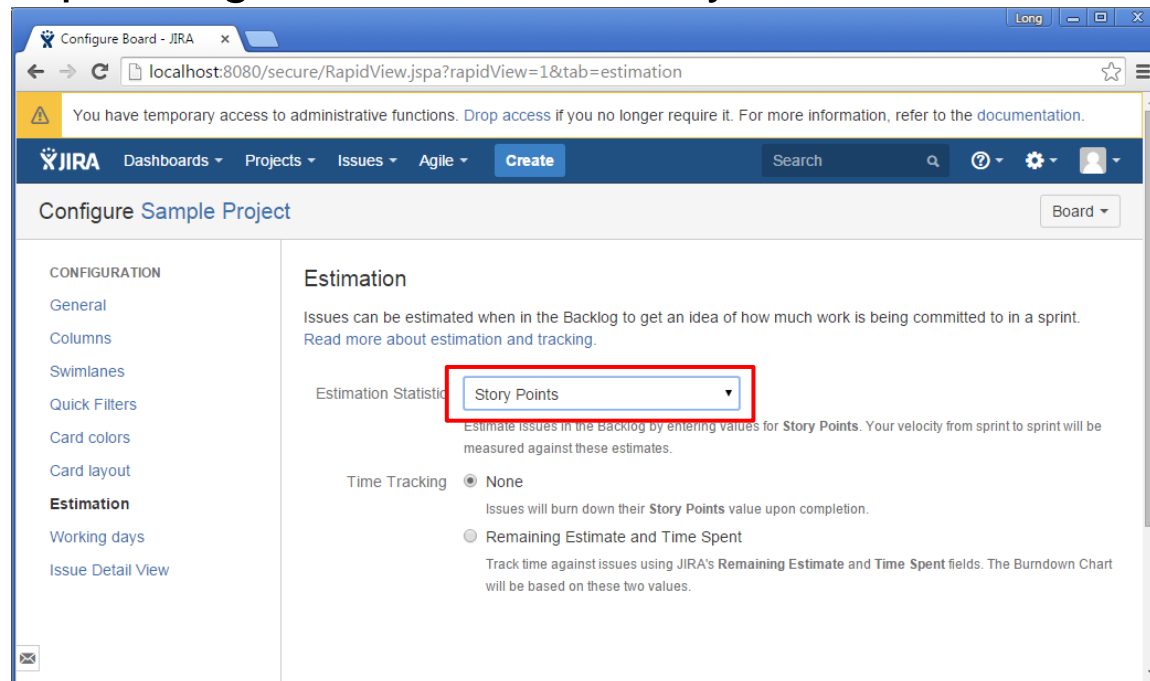
Powered by a free Atlassian JIRA evaluation license. Please consider purchasing it today.

Atlassian

localhost:8080/secure/RapidView.jspa?rapidView=1

Project Lead – Manage Board – Estimation

- Many Scrum teams estimate stories in Story Points, then track tasks using hours
- By default, your Scrum board will use Story Points for estimation, and will also use Story Points for tracking
- JIRA Agile has the flexibility to set your estimation and tracking statistics differently, depending on what best suits your team

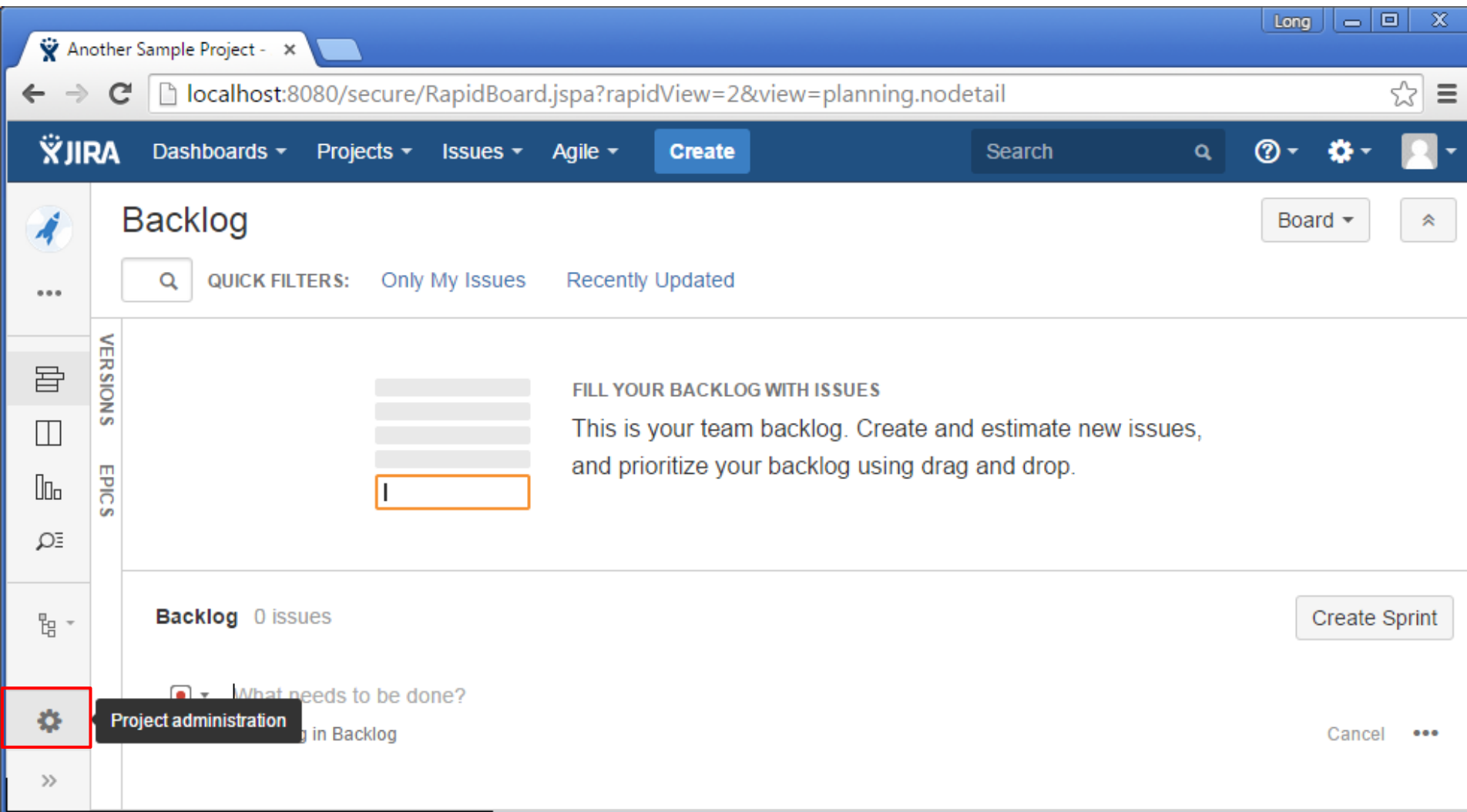


Project Lead – Manage Board – Working Days

The screenshot shows the JIRA 'Configure Board' interface. The browser address bar indicates the URL is `localhost:8080/secure/RapidView.jspa?rapidView=1&tab=time`. A notification banner at the top states: 'You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#).' The JIRA navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. The main header is 'Configure Sample Project' with a 'Board' dropdown. The left sidebar lists configuration options: 'General', 'Columns', 'Swimlanes', 'Quick Filters', 'Card colors', 'Card layout', 'Estimation', 'Working days' (selected), and 'Issue Detail View'. The 'Working days' section contains the following information:

- Working days**: These settings allow you to highlight or exclude non-working days from reports and gadgets. They apply to the following reports: Burndown Chart, Sprint Report, Epic Report, Version Report, Control Chart; and the following gadgets: Sprint Health Gadget, Burndown Gadget.
- Time Zone**:
 - Region: System default
 - Time Zone: (GMT+07:00) Bangkok
- Standard Working Days**:
 - Every ☒ Monday
 - ☒ Tuesday
 - ☒ Wednesday
 - ☒ Thursday
 - ☒ Friday
 - ☐ Saturday
 - ☐ Sunday
- Non-Working Days**:
 - Dates: No dates
 -

Project Lead – Project Administration



The screenshot shows the JIRA web interface for a project named "Another Sample Project". The browser address bar displays the URL: `localhost:8080/secure/RapidBoard.jspa?rapidView=2&view=planning.nodetail`. The JIRA navigation bar includes links for Dashboards, Projects, Issues, Agile, and a Create button. A search bar and user profile icon are also present. The main content area is titled "Backlog" and features a "Board" dropdown and an upward arrow icon. Below the title, there is a search input and "QUICK FILTERS" for "Only My Issues" and "Recently Updated". The backlog itself is currently empty, with a message: "FILL YOUR BACKLOG WITH ISSUES. This is your team backlog. Create and estimate new issues, and prioritize your backlog using drag and drop." A sidebar on the left contains icons for Versions, Epics, and a gear icon for Project administration, which is highlighted with a red box. A tooltip labeled "Project administration" is visible over the gear icon. At the bottom of the sidebar, there is a "Create Sprint" button and a "Cancel" button.

Project Lead – Project Roles

The screenshot displays the JIRA Project Configuration page for 'Sample Project'. The page is divided into a left sidebar with navigation links and a main content area with several configuration sections.

Navigation Links (Left Sidebar):

- Summary
- Issue Types
 - Bug
 - Epic
 - Story
 - Sub-task
 - Task
- Workflows
- Screens
- Fields
- Versions
- Components
- Roles
- Permissions
- Issue Security
- Notifications
- HipChat integration
- Development tools
- Issue Collectors

Main Content Area Sections:

- Issue Types:** Keep track of different types of issues, such as bugs or tasks. Each issue type can be configured differently. Scheme: **SP: Scrum Issue Type Scheme**. Options: Bug, Epic, Story, Task, Sub-task (SUB-TASK).
- Versions:** For software projects, JIRA allows you to track different versions, e.g. 1.0, 2.0. Issues can be assigned to versions. This project has no unarchived versions. [Add a version](#)
- Components:** Projects can be broken down into components, e.g. "Database", "User Interface". Issues can then be categorised against different components. This project does not use any components. [Add a component](#)
- Workflows:** Issues can follow processes that mirror your team's practices. A workflow defines the sequence of steps that an issue will follow, e.g. "In Progress", "Resolved". Scheme: **Agile Simplified Workflow Scheme for Project SP**. [Agile Simplified Workflow for Project SP](#)
- Screens:** Screens allow you to arrange the fields to be displayed for an issue. Different screens can be used when an issue is created, viewed, edited, or transitioned through a workflow. Scheme: **SP: Scrum Issue Type Screen Scheme**. Options: SP: Scrum Default Screen Scheme (DEFAULT), SP: Scrum Bug Screen Scheme.
- Roles:** JIRA enables you to allocate particular people to specific roles in your project. Roles are used when defining other settings, like notifications and permissions. Project Lead: [binhlong@gmail.com](#). Default Assignee: [Unassigned](#). Roles: [View Project Roles](#) (highlighted with a red box).
- Permissions:** Project permissions allow you to control who can access your project, and what they can do, e.g. "Work on Issues". Access to individual issues is granted to people by issue permissions. Scheme: [Default Permission Scheme](#). Issues: [None](#).

Project Lead – Project Roles – Add an User

The screenshot shows the JIRA Project Configuration page for 'Sample Project'. The 'Administration' tab is selected, and the 'Roles' section is active. The 'Roles' section explains that JIRA enables allocating people to specific roles. Below this, there are three columns: 'Project Roles', 'Users', and 'Groups'. The 'Project Roles' column lists 'Administrators', 'Developers', and 'Users'. The 'Users' column has a search box with 'student1' entered, showing a dropdown with 'Student 1 - student1@email.com'. The 'Groups' column has a search box with 'jira-users' entered. The 'Update' button is highlighted with a red box.

Project Sample Project - R x

localhost:8080/plugins/servlet/project-config/SP/roles

JIRA Dashboards Projects Issues Agile Create Search ? ⚙️ 👤

Sample Project
Key: SP · Lead: binhlong@gmail.com · Category: None · URL: No URL

Overview Administration

Summary

Issue Types

- Bug
- Epic
- Story
- Sub-task
- Task

Workflows

Screens

Fields

Versions

Components

Roles

JIRA enables you to allocate particular people to specific roles in your project. Roles are used when defining other settings, like notifications and permissions.

- Project Lead: binhlong@gmail.com
- Default Assignee: Unassigned

Project Roles	Users	Groups
Administrators		jira-administrators
Developers		jira-developers
Users	student1 Showing 1 of 1 matching users Student 1 - student1@email.com (...)	jira-users x Begin typing to find groups. Update Cancel



Add an user to a selected role

Project Lead – Version Management

- A version is a set of features and fixes released together as a single update to your product

The screenshot shows the JIRA Project Lead interface for a project named 'Sample Project'. The browser address bar indicates the URL is localhost:8080/plugins/servlet/project-config/SP. The interface has a top navigation bar with 'JIRA', 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. Below this is a search bar and user profile icons. The main header shows the project name 'Sample Project' with its key 'SP', lead 'binhlong@gmail.com', category 'None', and URL 'No URL'. There are buttons for 'Edit Project' and 'Actions'. The left sidebar contains a 'Summary' section with links to 'Issue Types', 'Workflows', 'Screens', 'Versions', 'Components', 'Roles', 'Permissions', 'Issue Security', 'Notifications', 'HipChat integration', 'Development tools', and 'Issue Collectors'. The main content area is divided into several sections: 'Issue Types' (with a list of Bug, Epic, Story, Sub-task, and Task), 'Workflows' (with a list of Bug, Epic, Story, Task, and Sub-task), 'Screens' (with a list of SP: Scrum Default Screen Scheme and SP: Scrum Bug Screen Scheme), 'Versions' (with a description and a red box around the 'Add a version' link), 'Components' (with a description and a link to 'Add a component'), 'Roles' (with a description and a link to 'View Project Roles'), and 'Permissions' (with a description and a link to 'View Project Roles').

Project Lead – Version Management...

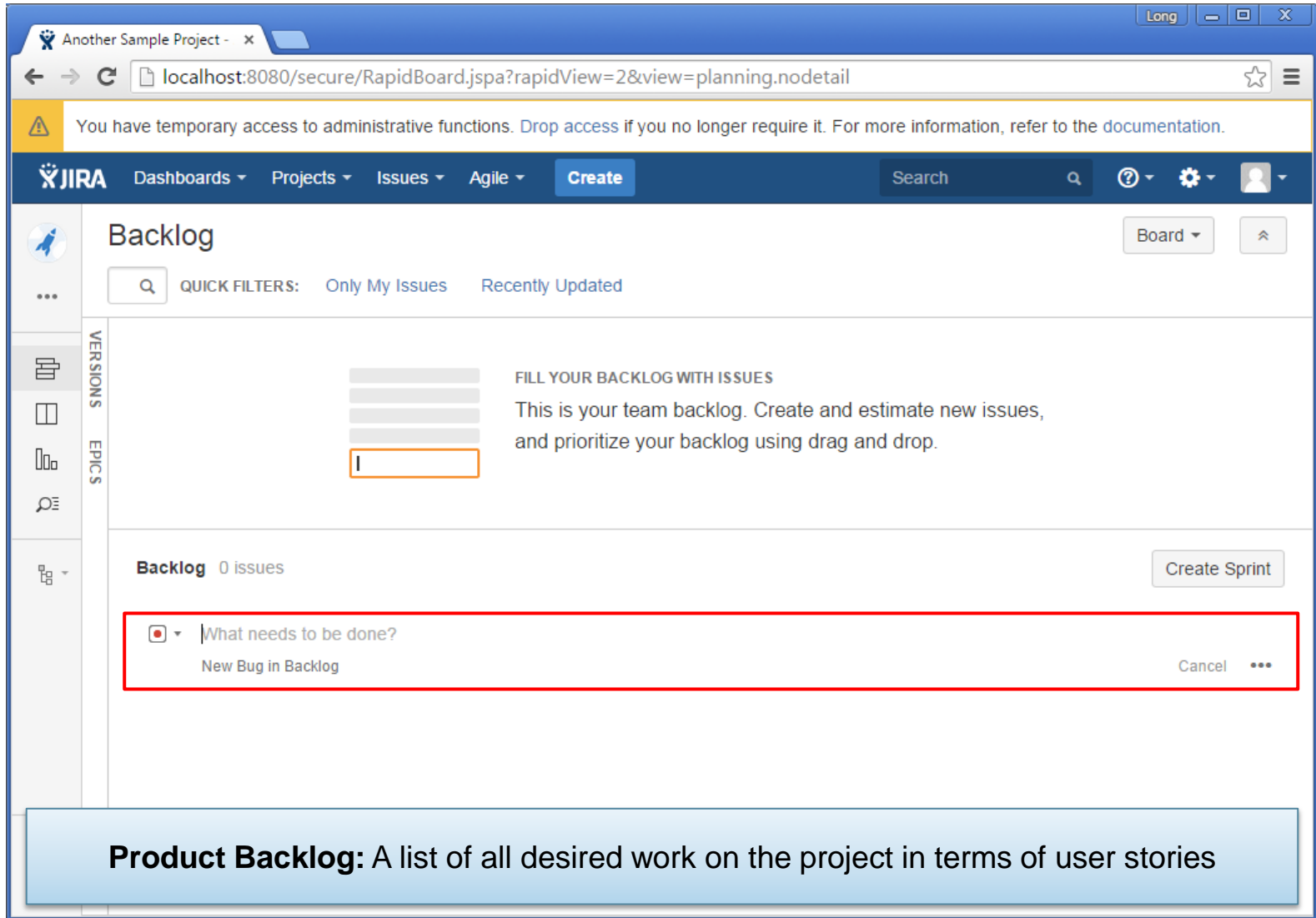
The screenshot shows the JIRA Project Lead interface for 'Sample Project'. The browser address bar indicates the URL is `localhost:8080/plugins/servlet/project-config/SP/versions`. The JIRA navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. The project details show 'Sample Project' with key 'SP', lead 'binhlong@gmail.com', and category 'None'. The 'Administration' tab is active, showing a sidebar with 'Summary', 'Issue Types' (Bug, Epic, Story, Sub-task, Task), 'Workflows', 'Screens', 'Fields', 'Versions', and 'Components'. The main content area is titled 'Versions' and includes a description: 'For software projects, JIRA allows you to track different versions, e.g. 1.0, 2.0. Issues can be assigned to versions.' Below this is a table with columns: Name, Description, Start date, and Release date. The table lists two versions: 'Version 2.' (start: 28/Sep/15, release: 16/Oct/15) and 'Version 1.0' (start: 07/Sep/15, release: 25/Sep/15). An 'Add' button is highlighted with a red box next to the first version row.

Name	Description	Start date	Release date
Version 2.	The next re	28/Sep/15	16/Oct/15
Version 1.0	The first release of the software	07/Sep/15	25/Sep/15



Product Backlog Management

Product Owner – Manage Product Backlog



The screenshot displays the JIRA web interface for a project named "Another Sample Project". The browser address bar shows the URL: `localhost:8080/secure/RapidBoard.jspa?rapidView=2&view=planning.nodetail`. A notification banner at the top states: "You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#)."

The JIRA navigation bar includes the JIRA logo, "Dashboards", "Projects", "Issues", "Agile", and a "Create" button. A search bar and user profile icon are also present. The left sidebar shows navigation icons for "Backlog", "Sprints", "Issues", "Versions", and "Epics".

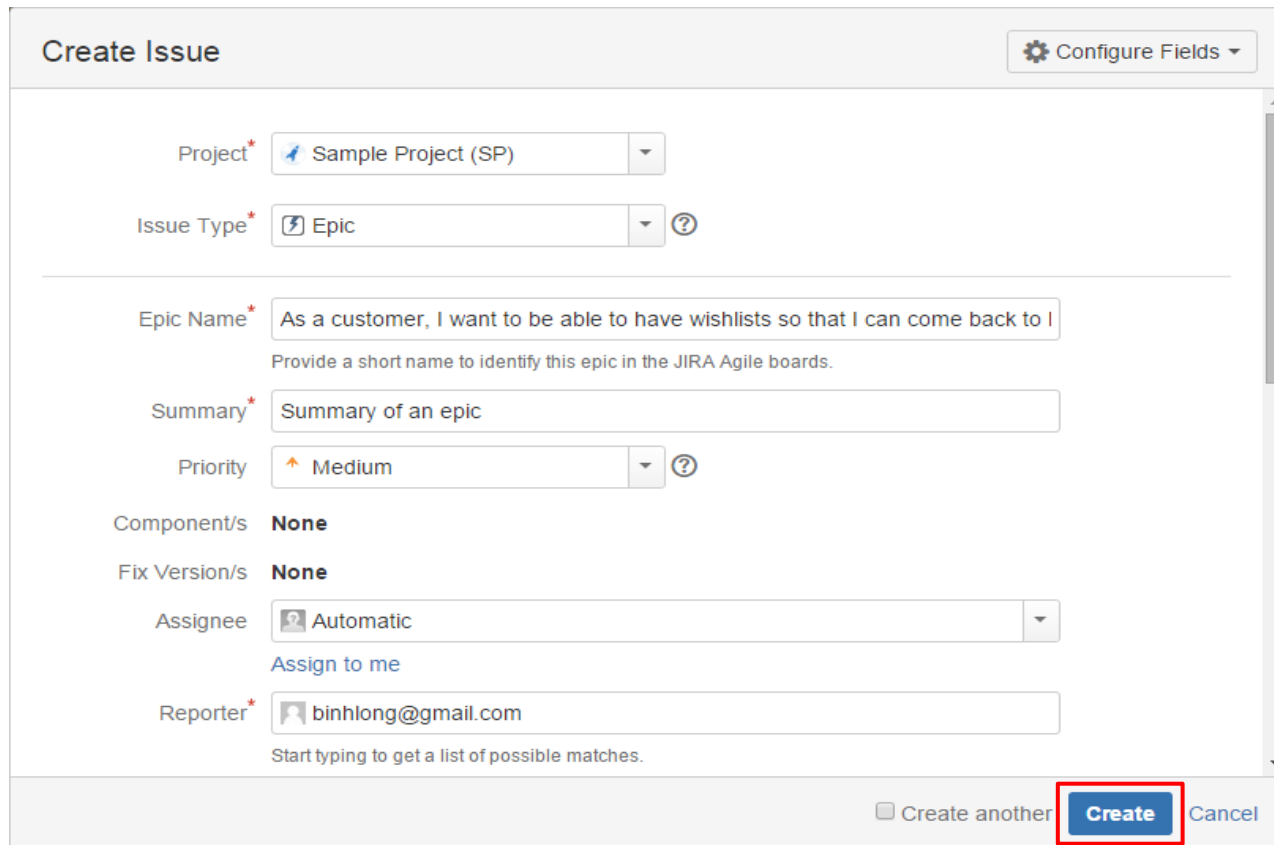
The main content area is titled "Backlog" and includes a "Board" dropdown and a "Create Sprint" button. Below the title, there are "QUICK FILTERS" for "Only My Issues" and "Recently Updated". A section titled "FILL YOUR BACKLOG WITH ISSUES" contains a text input field with the letter "I" and a message: "This is your team backlog. Create and estimate new issues, and prioritize your backlog using drag and drop."

Below this, a "Backlog 0 issues" section shows a single issue being added: "What needs to be done?". The issue is represented by a red square icon and a text input field. Below the input field, it says "New Bug in Backlog". To the right of the input field are "Cancel" and "..." buttons. A red rectangle highlights the entire issue entry area.

A blue box at the bottom of the screenshot contains the text: **Product Backlog:** A list of all desired work on the project in terms of user stories

Product Owner – Create Epic

- An epic is essentially a large user story that can be broken down into a number of smaller stories
- It may take several sprints to complete an epic



The screenshot shows the 'Create Issue' form in JIRA. At the top right is a 'Configure Fields' button with a gear icon. The form contains the following fields:

- Project***: A dropdown menu showing 'Sample Project (SP)' with a blue lightning bolt icon.
- Issue Type***: A dropdown menu showing 'Epic' with a blue lightning bolt icon and a help icon (?) to its right.
- Epic Name***: A text input field containing 'As a customer, I want to be able to have wishlists so that I can come back to I'. Below the field is the text: 'Provide a short name to identify this epic in the JIRA Agile boards.'
- Summary***: A text input field containing 'Summary of an epic'.
- Priority**: A dropdown menu showing 'Medium' with an orange arrow icon and a help icon (?) to its right.
- Component/s**: A text input field containing 'None'.
- Fix Version/s**: A text input field containing 'None'.
- Assignee**: A dropdown menu showing 'Automatic' with a person icon and a help icon (?) to its right. Below the field is the text: 'Assign to me'.
- Reporter***: A text input field containing 'binhlong@gmail.com'. Below the field is the text: 'Start typing to get a list of possible matches.'

At the bottom right of the form, there are three buttons: 'Create another' (disabled), 'Create' (highlighted with a red box), and 'Cancel'.

Product Owner – Create User Story

Create Issue

⚙️ Configure Fields ▾

Project*

🔗 Sample Project (SP)

▾

Issue Type*

💡 Story

▾

?

Summary*

As a customer, I want to be able to save a product in my wishlist so that I can

Priority

📈 Medium

▾

?

Component/s

None

Fix Version/s

None

Assignee

👤 Automatic

▾

[Assign to me](#)

Reporter*

👤 binhlong@gmail.com

Start typing to get a list of possible matches.

User Story: A convenient format for expressing the requirement

☐ Create another

Create

Cancel

Product Owner – Rank (Prioritize) User Story

Sample Project - Agile Board

localhost:8080/secure/RapidBoard.jspa?rapidView=1&projectKey=SP&view=planning.nodetail&selectedIssue=SP-9

You have temporary access to administrative functions. Drop access if you no longer require it. For more information, refer to the documentation.

JIRA Dashboards Projects Issues Agile Create Search ? ⚙️ 👤

Backlog Board ⬆️

QUICK FILTERS: Only My Issues Recently Updated

Backlog 12 issues Create Sprint

Issue Key	Description	As a...
SP-2	As a customer, I want to be able to save a product in my wishlist so that I can view it again later	As a customer, I wa...
SP-3	As a customer, I want to be able to view my wishlist so that I can buy items from it	As a customer, I wa...
SP-9	As a site visitor, I can read current news on the home page	As a site visitor, I w...
SP-4	Put 'Add to wishlist' button on each product page	As a customer, I wa...
SP-5	Create new database to store wishlist items	As a customer, I wa...
SP-6	Create page to display user's wishlist	As a customer, I wa...
SP-7	Add 'View wishlist' link to homepage	As a customer, I wa...
SP-10	As a site visitor, I can access old news that is no longer on the home page	As a site visitor, I w...
SP-11	Create a new database to store news	As a site visitor, I w...
SP-12	Display all news in homepage	As a site visitor, I w...
SP-13	Put 'Archived News' on homepage	As a site visitor, I w...
SP-14	Query all news published a month ago	As a site visitor, I w...

+ Create issue

Scrum Team – Estimate User Story

- Estimating stories in your backlog helps you to predict how long portions of the backlog might take to be delivered
- To enter an Estimate for each issue, click the issue key to display the issue details at the right of the screen, then type in the Estimate field.
- Estimation is all about Velocity

The screenshot displays the JIRA Agile Board interface. On the left, a 'Backlog' section lists 12 issues. The first issue, 'SP-2 As a customer, I want to be able to save a product in my wishlist so that I can view it again later', is selected. The right-hand panel shows the details for this issue. The 'Estimate' field is highlighted with a red box and contains the value '5'. Below the estimate field are sections for 'Comments', 'Attachments', and 'Sub-Tasks', each with a '0' count and a 'Create' button.

Issue Key	Issue Description	Estimate
SP-2	As a customer, I want to be able to save a product in my wishlist so that I can view it again later	5
SP-3	As a customer, I want to be able to view my wishlist	3
SP-4	Put 'Add to wishlist' button on each product	2
SP-5	Create new database to store wishlist items	5
SP-6	Create page to display user's wishlist	3
SP-7	Add 'View wishlist' link to homepage	2
SP-9	As a site visitor, I can read current news on the homepage	3
SP-10	As a site visitor, I can access old news that I have saved	3
SP-11	Create a new database to store news	5
SP-12	Display all news in homepage	3
SP-13	Put 'Archived News' on homepage	2
SP-14	Query all news published a month ago	3

Product Owner – Add User Story to Version

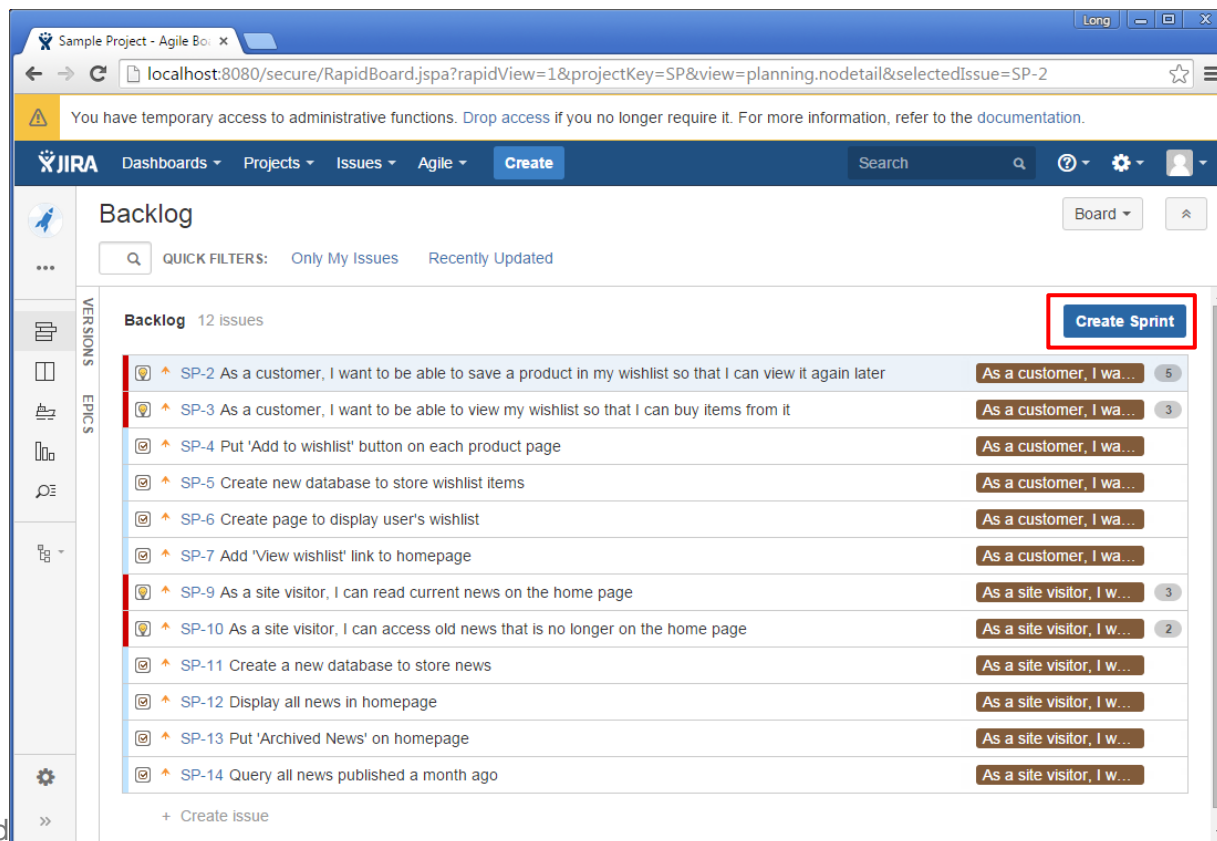
The screenshot shows the JIRA Agile interface. The top navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. The main header is 'Backlog' with a search bar and 'QUICK FILTERS: Only My Issues Recently Updated'. The left sidebar shows 'EPICS' and 'VERSIONS'. Under 'VERSIONS', 'Version 1.0' is selected, showing details like 'Start Date: 7/Sep/15' and 'Release Date: 25/Sep/15'. Below this, a list of issues is shown, including 'SP-11 Create a new database to store news', 'SP-12 Display all news in homepage', 'SP-10 As a site visitor, I can access old news that is no longer on the home page' (highlighted with a red box), 'SP-13 Put 'Archived News' on homepage', and 'SP-14 Query all news published a month ago'. The 'Backlog' section shows '0 Issues' and a 'Create Sprint' button. A red box highlights the 'SP-9 As a site visitor, I can read current news on the home page' issue, which is being added to 'Version 2.0'. The 'Details' section for 'Version 2.0' shows 'Start Date: 28/Sep/15', 'Release Date: 16/Oct/15', 'Issues: 2', 'Completed: 1', 'Unestimated: 0', and 'Estimate: 5'.



Sprint Planning and Tracking

Scrum Master – Create Sprint

- A sprint is a short (ideally two to four weeks) period in which the development team implements and delivers a discrete product increment
- Once you have chosen which issues are to be included in your next sprint, you are ready to start the sprint



Scrum Team – Select Sprint Backlog Items

The screenshot shows the JIRA Agile interface for a project named 'Sample Project - Agile Board'. The browser address bar indicates the URL: `localhost:8080/secure/RapidBoard.jspa?rapidView=1&projectKey=SP&view=planning.nodetail&selectedIssue=SP-2`. A warning message states: 'You have temporary access to administrative functions. Drop access if you no longer require it. For more information, refer to the documentation.'

The main navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. The 'Backlog' view is selected, showing a search bar and filters: 'Only My Issues' and 'Recently Updated'. The 'Sprint 1' section is expanded, showing '0 issues'. A green dashed box labeled 'PLAN YOUR SPRINT' contains the text: 'This is a sprint. Plan a sprint by dragging issues here.' A red box highlights a backlog item being dragged into this area. The item is 'SP-2 As a customer, I want to be able to save a product in my wishlist so that I can view it again later' with a priority of 5. Below the sprint area is a '+ Create issue' button. The bottom section shows the 'Backlog' with '12 issues' and a 'Create Sprint' button.

Sprint Backlog: An overview of the development work

Scrum Team – Create Task

Create Issue

⚙️ Configure Fields ▾

Project*

🔍 Sample Project (SP) ▾

Issue Type*

💡 Story ▾ ?

Summary*

Empty wishlist

Priority

🔼 Medium ▾ ?

Linked Issues

blocks ▾

Issue

SP-3 × ▾ +

Begin typing to search for issues to link. If you leave it blank, no link will be made.

Epic Link

As a customer, I want to be able to have wishlists so that I can come b... ▾

Task: A specific development work that can be pulled by team member

☐ Create another

Create

Cancel


Scrum Master – Start Sprint


Start Sprint

6 issues will be included in this sprint.

Sprint Name: *

Duration: *

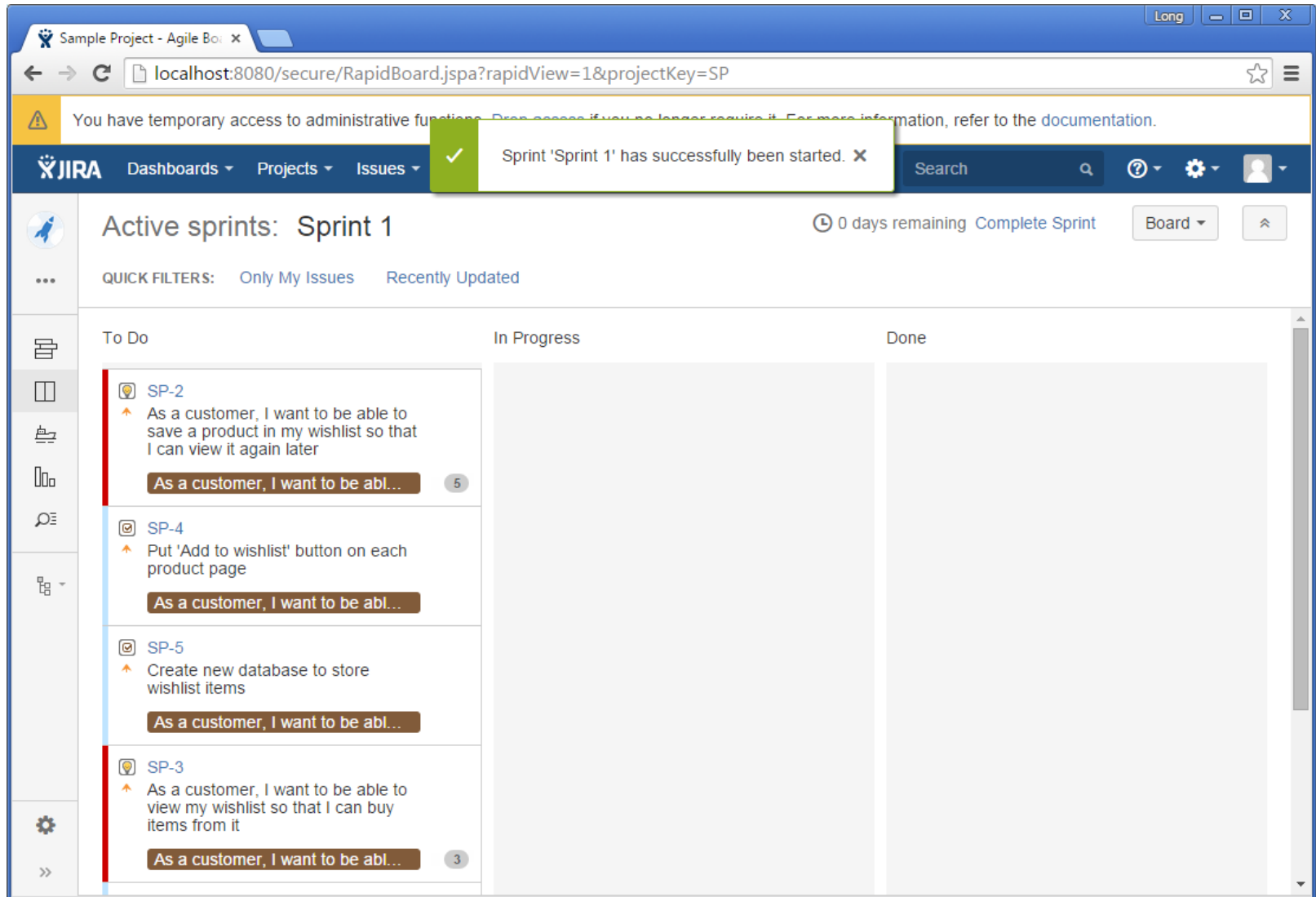
Start Date: * 

End Date: * 

There are **15 working days** in this sprint [? More about working days](#)

Enter a sprint properties to start a sprint

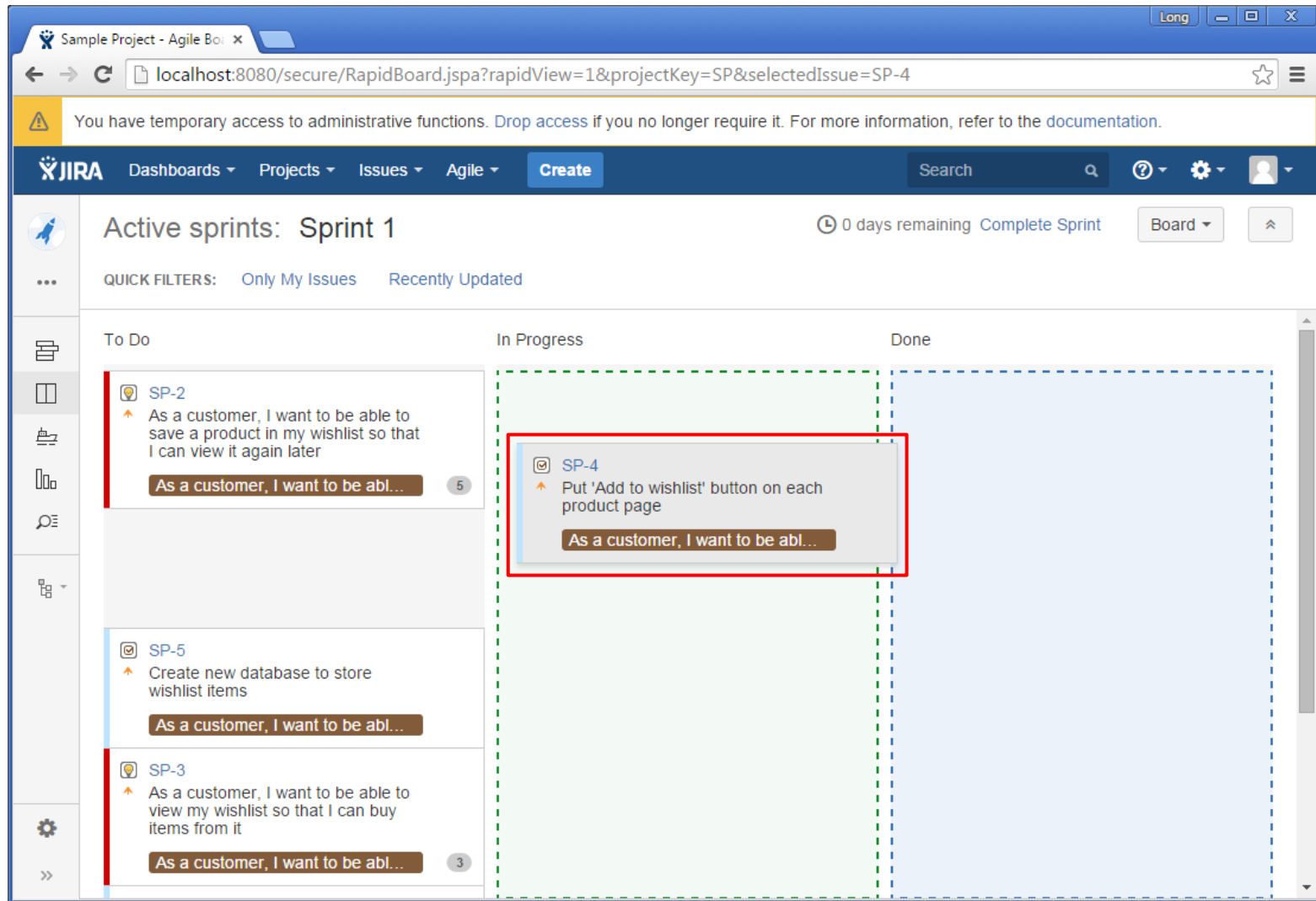
Scrum Master – Start Sprint...





Working with User Stories & Tasks

Scrum Team – Signup for Work



Signup for a work by drag it from To Do and drop to In Progress

Scrum Team – Update Work Status

The screenshot displays the JIRA Agile board interface for a project named "Sample Project - Agile Board". The browser address bar shows the URL: `localhost:8080/secure/RapidBoard.jspa?rapidView=1&projectKey=SP&view=detail&selectedIssue=SP-4`. A warning message at the top states: "You have temporary access to administrative functions. Drop access if you no longer require it. For more information, refer to the documentation."

The main navigation bar includes "Dashboards", "Projects", "Issues", "Agile", and a "Create" button. The "Active sprints: Sprint 1" section shows "0 days remaining" and a "Complete Sprint" button. Below this, the "QUICK FILTERS" are set to "Only My Issues" and "Recently Updated".

The board is divided into three columns: "To Do", "In Progress", and "Done". The "In Progress" column contains four issues:

- SP-2**: "As a customer, I want to be able to save a" (Status: As a custom...)
- SP-4**: "Put 'Add to wishlist' button on each" (Status: As a custom...)
- SP-5**: "Create new database to store wishlist" (Status: As a custom...)
- SP-3**: "As a customer, I want to be able to view my"

The right sidebar shows the details for issue **SP-4**. The "Details" section includes fields for Status, Component/s, Labels, Affects Version/s, Fix Version/s, and Epic. A context menu is open over the "Log Work" button, which is highlighted with a red box. The menu options are:

- Edit
- Assign
- Send to Top
- Send to Bottom
- Log Work** (highlighted)
- Log work against this issue
- Create Sub-Task
- Link
- Delete
- Remove from Sprint
- Add flag
- More Actions...

The "People" section shows the Reporter as `binhlong@gmail.com` and the Assignee as "Unassigned".

Scrum Team – Update Work Status...

Log Work: SP-4

Time Spent*

(eg. 3w 4d 12h) ?

An estimate of how much time you have spent working.

Date Started*

Remaining Estimate

☒ Adjust automatically

the estimate will be reduced by the amount of work done, but never below 0.

☐ Leave estimate unset

☐ Set to (eg. 3w 4d 12h)

☐ Reduce by (eg. 3w 4d 12h)

Work Description

Style ▾ B I U A ▾ ^A ▾ + ▾ ≡

Log

Cancel

Scrum Team – Update Work Status...

The screenshot shows the JIRA Agile interface for a project named 'Sample Project - Agile Board'. The browser address bar indicates the URL: `localhost:8080/secure/RapidBoard.jspx?rapidView=1&projectKey=SP&view=detail&selectedIssue=SP-4`. A warning message at the top states: 'You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#).'

The main view is 'Active sprints: Sprint 1', which is 0 days remaining. The board is divided into three columns: 'To Do', 'In Progress', and 'Done'. The 'In Progress' column contains three issues: SP-2, SP-4, and SP-5. Issue SP-4, titled 'Put 'Add to wishlist' button on each product page', is highlighted with a red border. The 'To Do' column is empty, and the 'Done' column is also empty.

On the right side, the 'Details' panel for issue SP-4 is visible. It shows the status as 'IN PROGRESS', component as 'None', labels as 'None', affects version as 'None', fix version as 'None', and epic as 'As a customer, I want to be able to have wishlists so that I can come back to buy products later'. The reporter is 'binhlong@gmail.com' and the assignee is 'Unassigned'.



Agile Reports

Scrum Team – Access Reports

Sample Project - Agile Board

localhost:8080/secure/RapidBoard.jspa?rapidView=1&projectKey=SP&view=detail&selectedIssue=SP-7

You have temporary access to administrative functions. [Drop access](#) if you no longer require it. For more information, refer to the [documentation](#).

JIRA Dashboards Projects Issues Agile Create Search ? ⚙️ 👤

Active sprints: Sprint 1 0 days remaining Complete Sprint Board ⬆️

QUICK FILTERS: Only My Issues Recently Updated

To Do In Progress Done

Reports

SP-2 As a customer, I want to be able to save a As a custom... 5

SP-4 Put 'Add to wishlist' button on each product As a custom...

SP-5 Create new database to store wishlist As a custom...

SP-3 As a customer, I want to be able to view my As a custom... 3

Sample Project / SP-7

Add 'View wishlist' link to homepage

Details

Status: DONE

Component/s: None

Labels: None

Affects Version/s: None

Fix Version/s: None

Epic: As a customer, I want to be able to have wishlists so that I can come back to buy products later

People

Reporter: binhlong@gmail.com

Assignee: Unassigned

Scrum Team – Reports Repository

The screenshot displays the JIRA 'Reports' page for a 'Sample Project'. The left sidebar contains navigation icons for Reports, Agile, and other project views. The main content area is titled 'Reports: All reports' and features a dropdown menu with the following options: Burndown Chart, Sprint Report, Velocity Chart, Cumulative Flow Diagram, Version Report, Epic Report, Control Chart, Epic Burndown, and Release Burndown. Below the dropdown, several report cards are visible, each with a thumbnail image and a brief description:

- Burndown Chart:** Track the total work remaining and project the likelihood of achieving the sprint goal. This helps your team manage its progress and respond accordingly.
- Sprint Report:** Understand the work completed or pushed back to the backlog in each sprint. This helps you determine if your team is overcommitting or if there is excessive scope creep.
- Velocity Chart:** Track the amount of work completed from sprint to sprint. This helps you determine your team's velocity and estimate the work your team can realistically achieve in future sprints.
- Cumulative Flow Diagram:** (Thumbnail visible)
- Version Report:** (Thumbnail visible)
- Epic Report:** (Thumbnail visible)

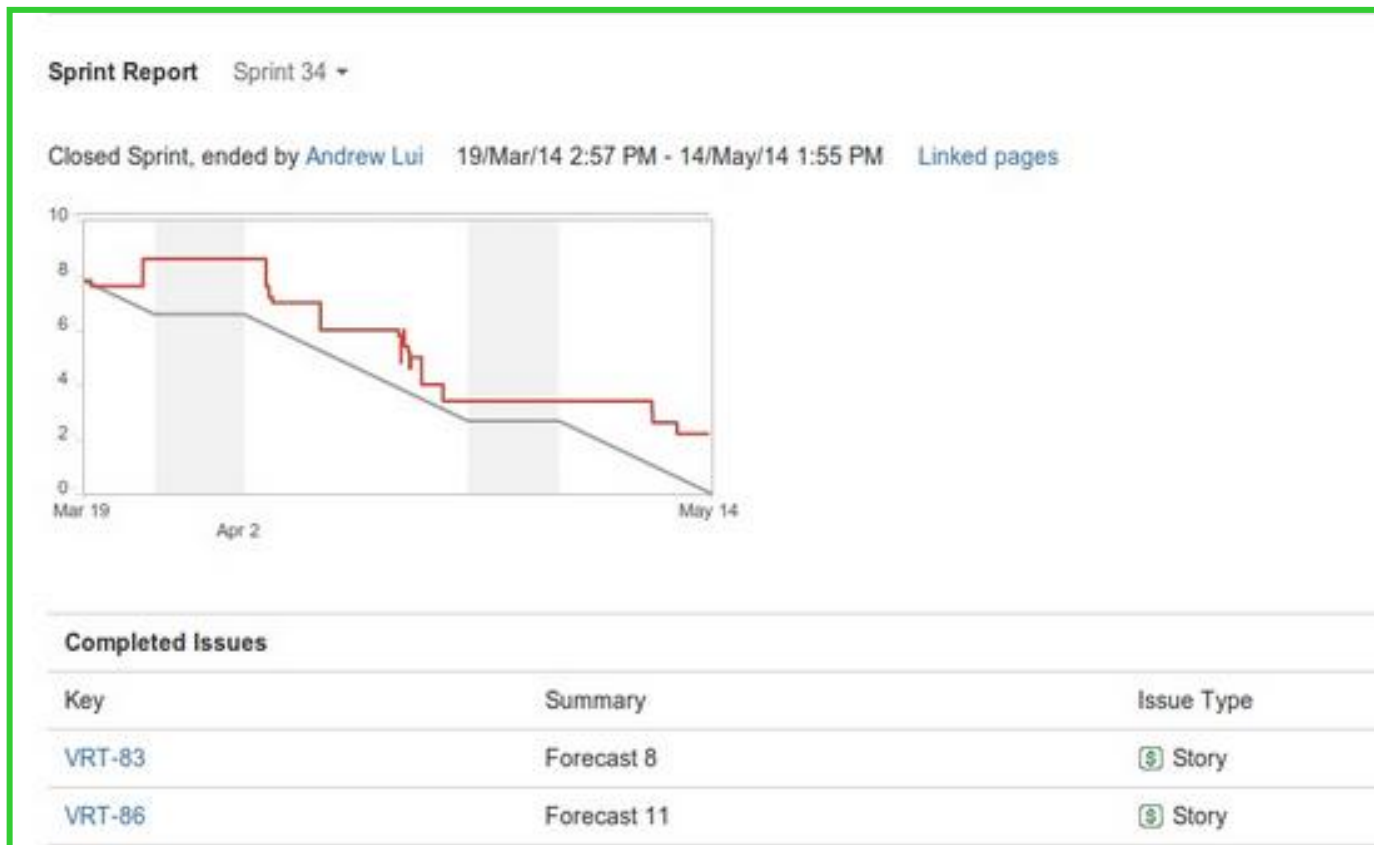
Scrum Team – Burndown Chart

- Show the actual and estimated amount of work to be done in a sprint
- Help you to project the likelihood of achieving the sprint goal



Scrum Team – Sprint Report

- Show the list of issues in each sprint. It is useful for your Sprint Retrospective meeting and also for mid-sprint progress checks
- Help you to project the likelihood of achieving the sprint goal

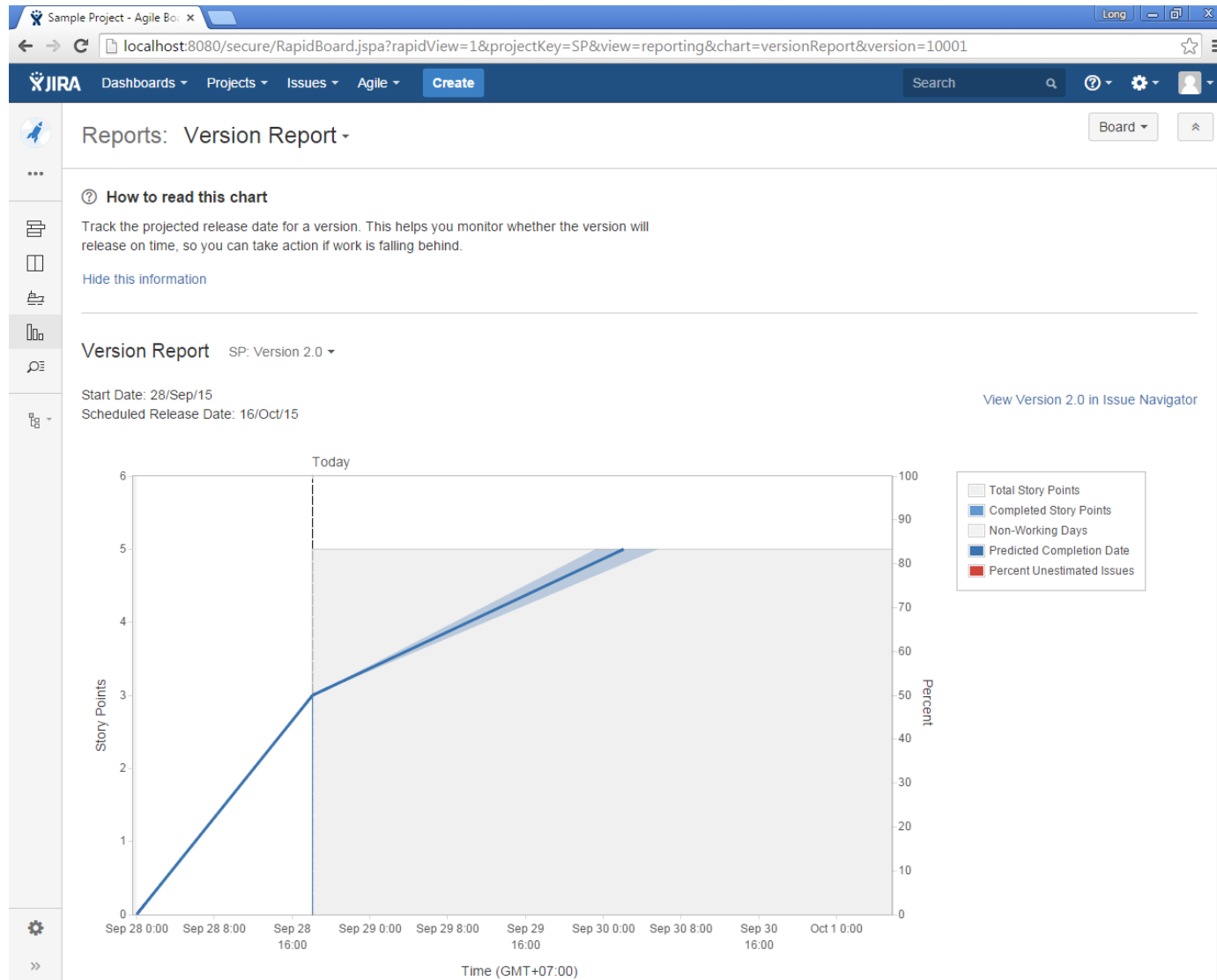


Scrum Team – Velocity Chart

- Show the amount of value delivered in each sprint, enabling you to predict the amount of work the team can commit to in future sprints
- Help you to project the likelihood of achieving the sprint goal



Scrum Team – Version Report





Sprint Review

Scrum Master – Complete Sprint

The screenshot shows the JIRA Agile interface for 'Sample Project - Agile Board'. The browser address bar indicates the URL: `localhost:8080/secure/RapidBoard.jsps?rapidView=1&projectKey=SP&view=detail&selectedIssue=SP-7`. The JIRA navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Agile', and a 'Create' button. The main header shows 'Active sprints: Sprint 1' with a timer for '0 days remaining' and a 'Complete Sprint' button highlighted with a red rectangle. Below the header, there are 'QUICK FILTERS: Only My Issues' and 'Recently Updated'. The main board area is divided into three columns: 'To Do', 'In Progress', and 'Done'. The 'Done' column contains four issues: SP-5 (Create new database to store wishlist), SP-3 (As a customer, I want to be able to view my...), SP-6 (Create page to display user's wishlist), and SP-7 (Add 'View wishlist' link to homepage). Each issue has an 'As a custom...' button. The right sidebar shows the details for issue SP-7, including its title 'Add 'View wishlist' link to homepage', status 'DONE', and reporter 'binhlong@gmail.com'. An epic description is also visible: 'As a customer, I want to be able to have wishlists so that I can come back to buy products later'.

Scrum Master – Complete Sprint

Complete Sprint

Sprint 1

6 issues were Done.

Sub-tasks are not included in the total(s) above, and are always included in the same sprint as their parent issue.

Complete

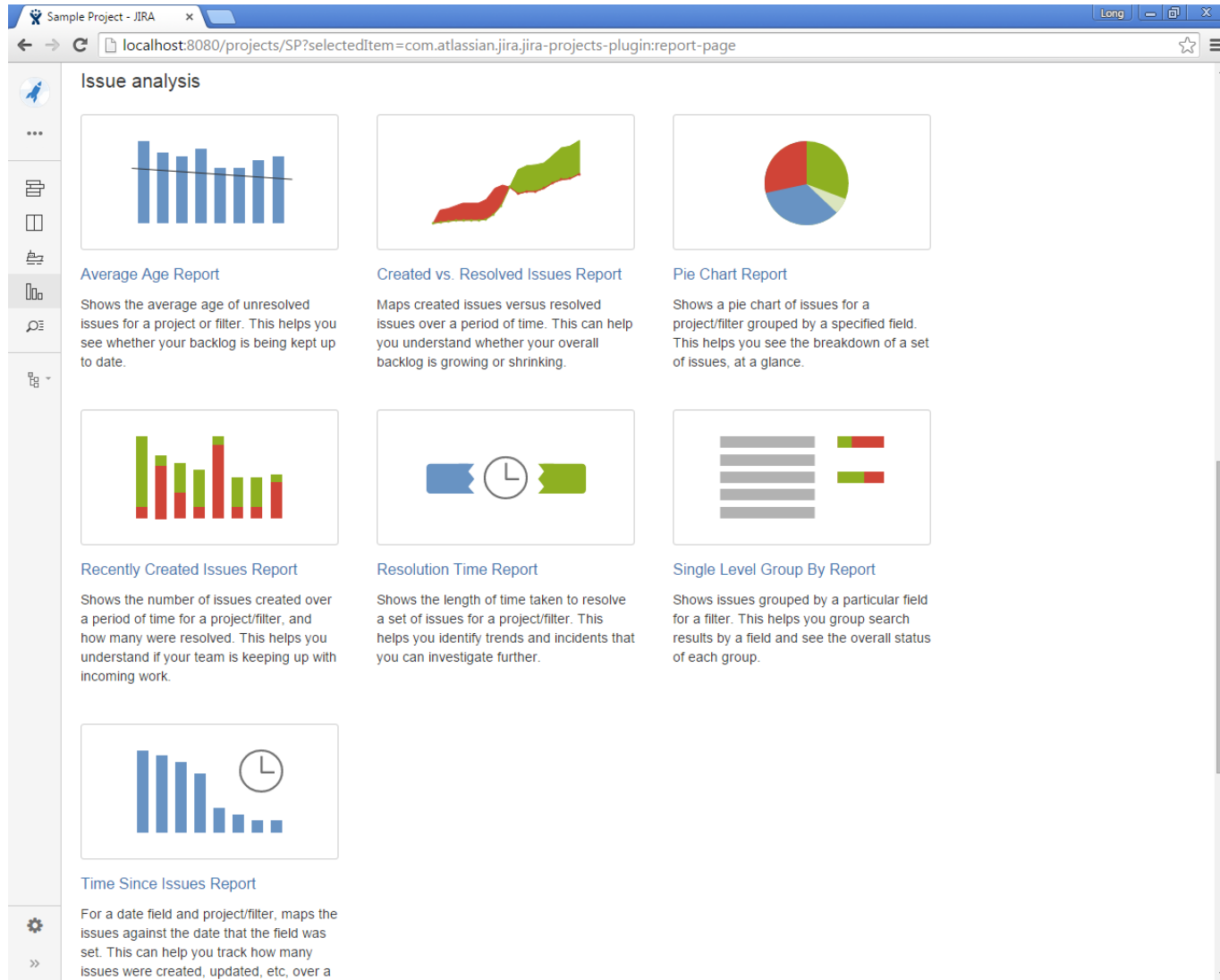
Cancel

Complete a sprint



Sprint Retrospective

Scrum Master – Issue Analysis Reports





Practice

Environment

- URL: <http://20.203.132.38:8080>
- Account:
 - Username: student<1-20>
 - Password: student<1-20>
- Project: My Student Project

Exercise

- Backlog Management
 - Create epics
 - Create user stories from an epic
 - Estimate user stories
 - Prioritize user stories
 - Create tasks from a user story
 - Assign tasks to team member
- Sprint Management
 - Create sprint
 - Assign user stories to a sprint
 - Start a sprint
 - Update task status
- Tracking / Monitoring
 - Update user stories / tasks details
 - Transit tasks through its statuses
- Version Management
 - Create version
 - Assign user stories to a version
- Report
 - Complete a sprint
 - View Burndown chart
 - View Velocity report



Q & A



Thank You



BUSINESS SOLUTIONS
TECHNOLOGY
OUTSOURCING

Revision History

Date	Version	Description	Updated by	Reviewed and Approved By
29 Sep 2015	1.0	Initial version	Long Truong	Khanh Lam, Ngoc Do

