

ECSE365L – Agile Software Development

Lab 10 – Issue types in JIRA

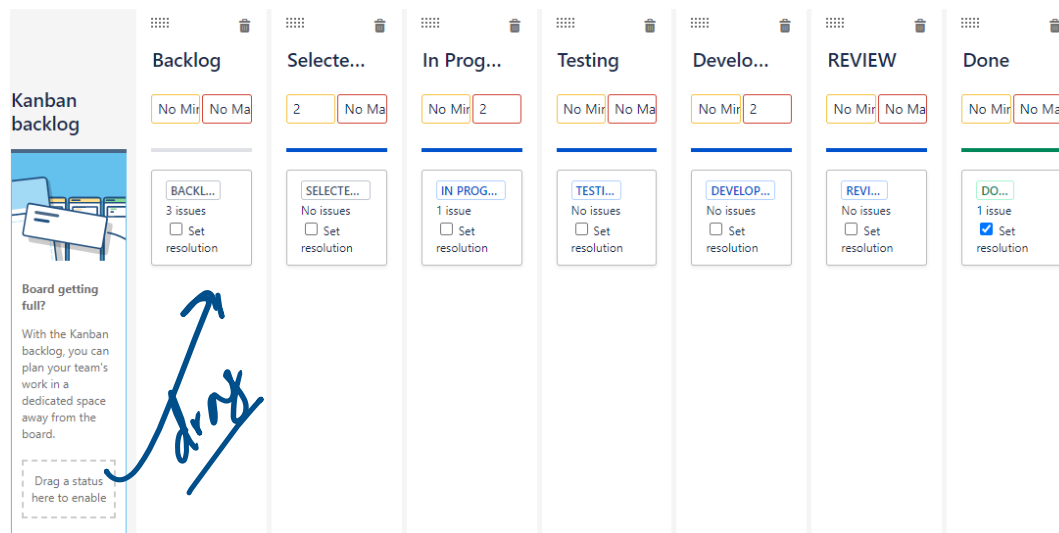
NOTE: Add the faculty as your team member in your project

This lab assumes that you have created a classic kanban project in lab05. The project was **ProjectBUA** for the instructor in the lab instructions.

Create issues of different types

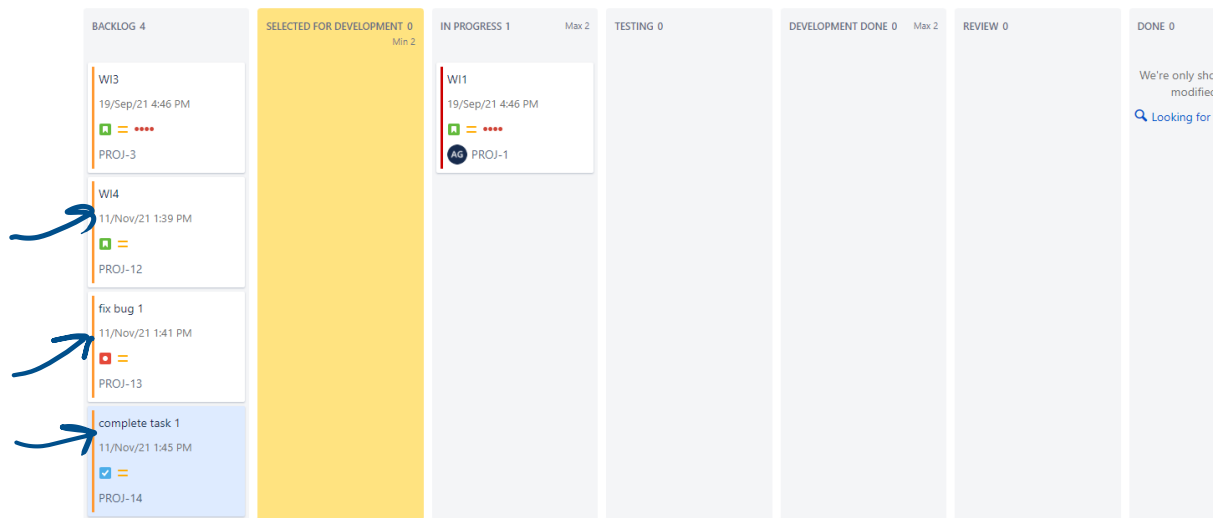
1. Navigate to your lab05 classic Kanban project. The board has to be the first one.

- If your Kanban board has a separate backlog (a **Backlog** tab), move the backlog back to the board using the **Columns** tab under board settings. This is so you can see the issues on the board when you create them.



2. Create an issue with a summary/title named **WI4** (or the next item number on your board) → assign an **Issue Type** of **Story** to the issue.
3. Create an issue with a summary/title named **fix bug 1** → assign an **Issue Type** of **Bug** to the issue.

4. Create an issue with a summary/title named **complete task 1** → assign an **Issue Type** of **Task** to the issue.



5. Move the issues through some of the statuses on the board.

- Notice that they all behave in the same way, because they all use the same workflow.

Create subtasks

1. Using the same procedure as in the previous step, try to create an issue with an issue type of **Subtask**.

- Notice that this option is not available. This is because subtasks must have a parent issue. **Cancel** the attempt to create this issue.

2. From the board, open the **WI4** issue → click on **Create subtask** to create a subtask for this story.

3. Create a subtask with a summary/title of **add item 4a**.

WI4

Attach Create subtask Link issue ...

Description

Add a description...

Subtasks

add item 4a

Create Cancel

Activity

Show: All Comments History Work log

Newest first

AG Add a comment...

Pro tip: press **M** to comment

Backlog

Details

Assignee

Reporter

Development

Labels

Priority

More fields Story

4. Create another subtask with a summary/title of **add item 4b** → view the board (refresh the board).

- Notice that the subtasks have been added under the **add item 4** story in the **BACKLOG** status, independent of the status of the parent issue.

5. Move the subtasks to different statuses.

- Notice that subtasks have independent statuses.

6. Select **Issues** on the project sidebar to view the issues of the project → click on **All issues**.

ProjectBUA
Software project

Back to project

Filters

All issues

My open issues

Reported by me

Open issues

Done issues

Viewed recently

Resolved recently

Updated recently

View all filters

Projects / ProjectBUA

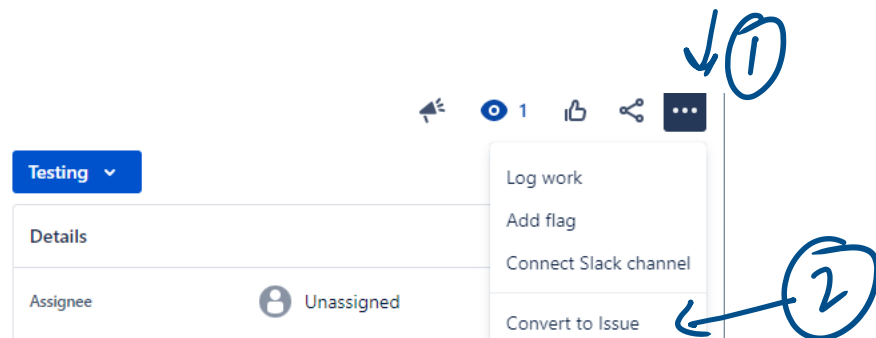
Issues

Search issues

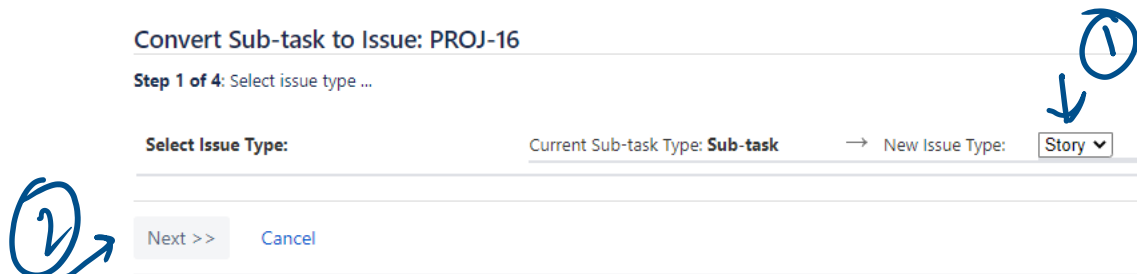
Project: ProjectBUA

Type	Key	Summary
Task	PROJ-10	add item 4b
Task	PROJ-9	add item 4a
Task	PROJ-7	complete task 1
Bug	PROJ-6	fix bug 1
Task	PROJ-5	WI4
Task	PROJ-3	WI3
Task	PROJ-2	WI2
Task	PROJ-1	WI1

7. Select the **add item 4b** subtask → click the more icon (...) on the right to bring up a menu. Convert the subtask to an issue by selecting **Convert to Issue**



8. Select **Story** as the new issue type → select the defaults for other values and click **Finish** to convert the issue. If asks for story point, give it 8.



- Notice by the icon that what was a subtask is now a story.

9. View the Kanban board → move the **WI4** story to the **Selected for Development** status → move the **add item 4a** subtask to the **Done** status.
- Jira should notice that all of the subtasks for the story are done and ask you if you want to update the parent issue to match the status.

10. Click **Update** to move the parent issue to the **Done** status.

Update Parent Issue

All sub-tasks for parent issue **PROJ-12** are now **Done**.
Do you want to update this parent issue to match?



11. Add subtasks to the **fix bug 1** and **complete task 1** issues. Refresh the board.

- Notice that subtasks for bugs and tasks behave the same way as with stories.

Add a custom issue type to your project

Custom issue types - allow team to create issues that are appropriate for the types of work that the team does.

1. With your **lab05** project selected, click **Project settings** from the sidebar.
2. Click on **Issue types** → you are shown the issue type scheme for your project.

- An issue type scheme is the collection of issue types used by your project. You should see the default issue types for classic Kanban projects. (These are also the default issue types for classic scrum projects.)

3. In the upper-right corner, click **Actions**, then select **Edit issue types**.

Projects / ProjectBUA / Project settings

Issue types

PROJ: Kanban Issue Type Scheme

Keep track of different types of issues, such as bugs or tasks. Each issue type can be configured differently.

The issue type scheme defines which issue types apply to this project. To change the issue types used, you can select a different issue type scheme, or modify the currently selected scheme.

Issue Type	Description	Workflow	Field configuration	Screen
<input checked="" type="checkbox"/> Story	Functionality or a feature expressed as a user goal.	Software Simplified Workflow for Project PROJ	Default Field Configuration	PROJ: Kanban Default Screen Scheme
<input type="checkbox"/> Bug	A problem or error.	Software Simplified Workflow for Project PROJ	Default Field Configuration	PROJ: Kanban Bug Screen Scheme
<input type="checkbox"/> Epic	A big user story that needs to be broken down. Created by Jira Software - do not edit or delete.	Software Simplified Workflow for Project PROJ	Default Field Configuration	PROJ: Kanban Default Screen Scheme
<input checked="" type="checkbox"/> Task	A small, distinct piece of work.	Software Simplified Workflow for Project PROJ	Default Field Configuration	PROJ: Kanban Default Screen Scheme
<input type="checkbox"/> Sub-task <small>SUB-TASK</small>	A small piece of work that's part of a larger task.	Software Simplified Workflow for Project PROJ	Default Field Configuration	PROJ: Kanban Default Screen Scheme

① ↓

② →

Actions

Edit issue types

Use a different scheme

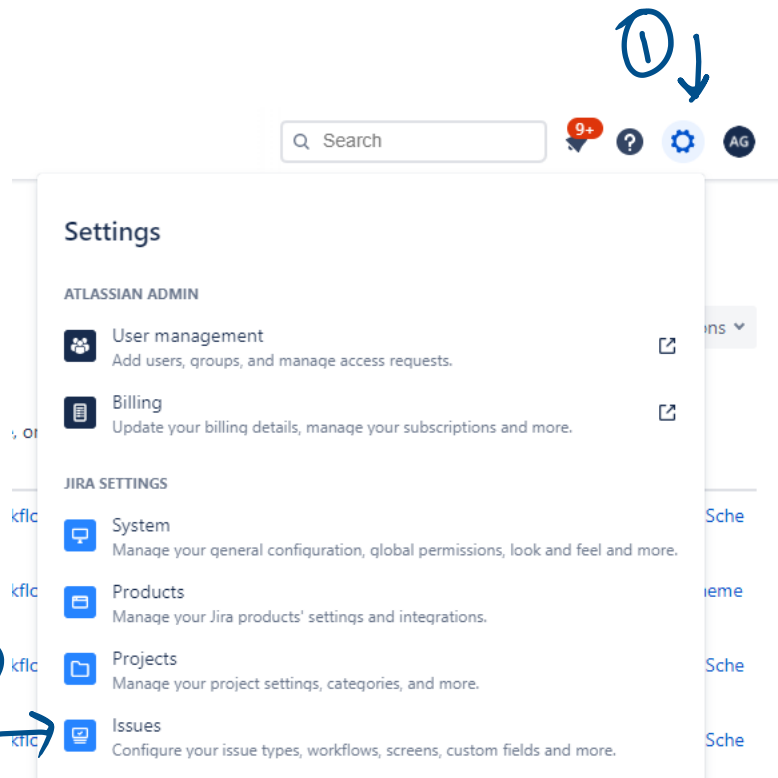
- Notice that the default issue type is **Story**. This is the issue type that will be selected by default when you first create an issue. View the

order of the issue types under **Issue Types for Current Scheme**. You can rearrange these to change the order of the types in Jira dialogs.

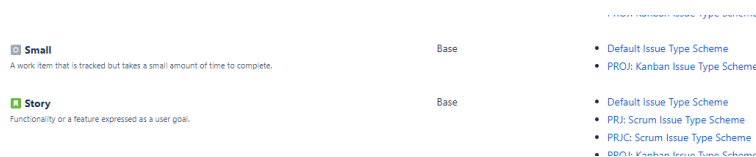
4. In the upper right corner, click **+ Add issue type**. Name the type **Small** → add a description of ***A work item that is tracked but takes a small amount of time to complete***. For the **Type**, keep the current value of **Standard Issue Type**. Click **Add** to add the issue type to your project. You should now see your custom issue type at the bottom of the list on the left. You can rearrange the order if you would like.

The screenshot shows the 'Add Issue Type' dialog box. It has four numbered annotations: 1 points to the 'Name' field containing 'Small'; 2 points to the 'Description' field containing 'A work item that is tracked but takes a small amount of time to complete.'; 3 points to the 'Type' section where 'Standard Issue Type' is selected with a radio button; 4 points to the 'Add' button at the bottom right. There is also a 'Cancel' button next to it. A green circular icon with a 'G' is visible in the bottom right corner of the description field.

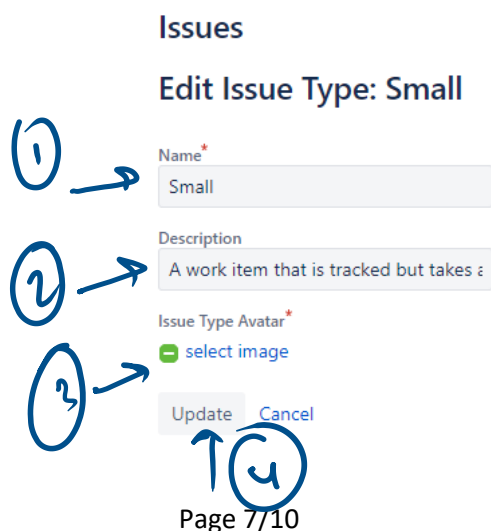
5. Click **Save** to save your issue type scheme.
6. Change the avatar (icon) of your issue type.
 - Because an issue type can be used by any project, the configuration is under the Jira application settings. To reach Jira settings, click on the gear icon near your user avatar.



- Click **Issues**, and then **Issue types** → click the **Edit** link to the right of the **Small** issue type → click **select image** to change the issue type avatar.



- Select the minus (-) symbol from the available options, or upload your own avatar for your issue type.
- Click **Update** to update the avatar for your issue type. The **Small** issue type should now have the new icon.



- Navigate back to your **lab05** project. Create an issue of type **Small** named **small item 1**. View the item on the Kanban board.

i. Notice your icon → open the issue and notice that you can add subtasks to the issue.

Create issue Import issues Configure fields ▼

Project*
ProjectBUA (PROJ)

① Issue Type*
Small ⓘ
Some issue types are unavailable due to incompatible field configuration and/or workflow associations.

② Summary*
small item 1

Components
None

Attachment
Drop files to attach, or [browse](#).

Description

Style ▼ B I U A ▼ ↻A ▼ 🔗 ▼ 📎 ▼ ☰ ☷ @ ▼ + ▼ ⋮

③

☐ Create another Create Cancel

Create a swimlane for the custom issue type

1. Use basic search to search for issues of your new custom type.

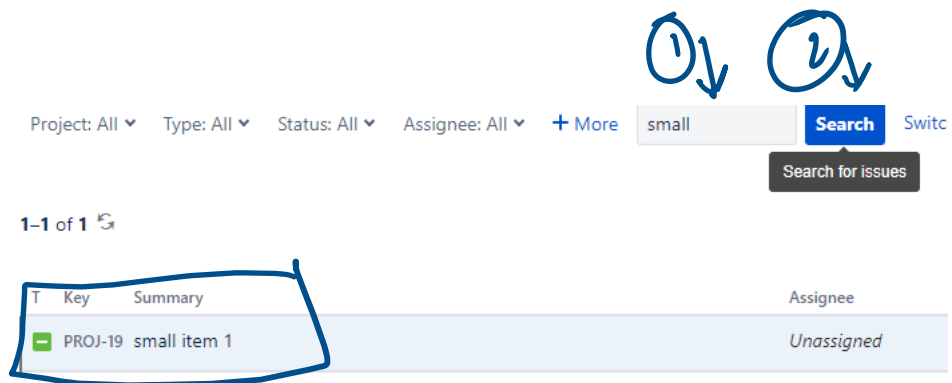
① → search Jira click

Jira Bitbucket

Q Advanced issue search ②

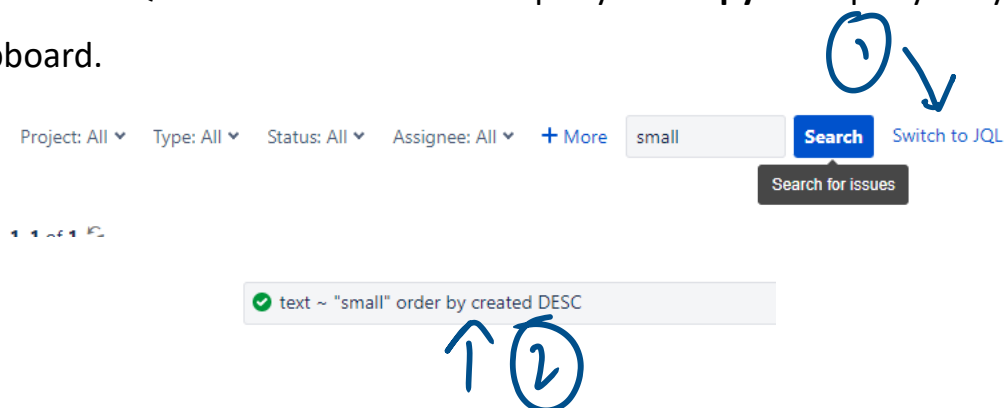
RECENTLY VIEWED ISSUES

PROJ-19 small item 1 Pr



2. There should be a single issue.

3. Switch to JQL search and view the query → **Copy** the query to your clipboard.

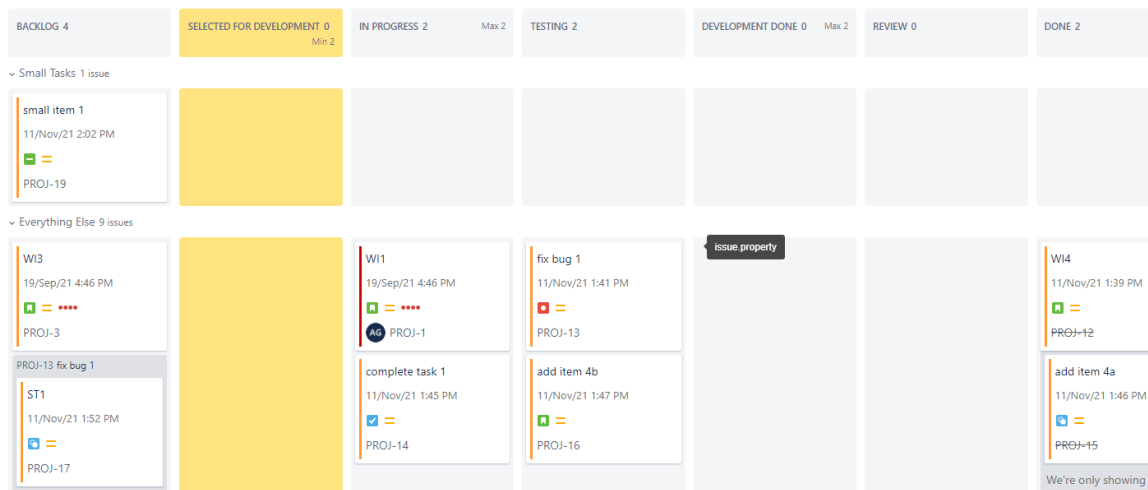


4. Navigate to the **Swimlanes** tab under the **lab05 project** board's settings.

5. Under **Base Swimlanes on** dropdown, select **Queries** → add a swimlane named **Small Tasks**, paste the JQL **issuetype = Small** and a description of **Issues that should be tracked but take a small amount of time** → make sure to click **Add**.



6. View your swimlane on the board.



Submit an MS Word file that contains your board as your assignment on LMS.

Ref: Altassian