

Lab-2 Personas, User Stories and Planning



Personas and User Stories (~35 mins.)

- Develop ~3 personas each team.
- Develop 5-10 user stories for each persona (~20 in total).
- Submit a document on Canvas (group submission).
- Add your user stories to your GitLab project.



Personas (who they are?)

- A description of a particular product user / a fictional representation of your ideal customer.
- Identify personas as **specifically** as possible.
- Key information: **name**, **role**, (age, ethnicity...), **background** (frustrations), **goals and needs**.



User Stories (what they do?)

- A user story is an informal, general explanation of a software feature written from the perspective of the end user or customer.
- User stories are structured as follows: **As a [role], I want to [goal], so that [benefit].**
- *As a music listener, I want to log my music history so that I can reminisce on it later.*
- *As a user, I want to be able to cancel my reservation at anytime so that I do not lose all the money if an incident occurs.*



Breakdown Epics!

As an electronic banking customer, I want to be able to scan an image of the front and back of a check into the iPhone® so that it can be deposited electronically.

send a check for deposit through the mail and I can have the money immediately credited to my checking account as soon as the deposit is completed electronically.

As an electronic banking customer, I want to be able to enter the deposit information associated with an electronic deposit so that the correct amount will be deposited into the correct bank account when the electronic deposit is processed.

As an electronic banking customer, I want to be able to electronically submit a scanned check and deposit information to the bank for deposit so that I can save the time associated with sending deposits by mail.

As an electronic banking customer, I want to be able to receive confirmation of a completed electronic deposit so that I will know that the deposit was successfully processed.



Add User Stories to GitLab

- User stories are **Issues** in GitLab.
- Issue name should be brief, feature-like (e.g., remove a booking record).
- Add your user story to the description of the issue.
- Assign issues to team members (you can add multiple assignees to an issue).
- Milestone = Initial planning and design (Sprint 1), Epic = Design.



Add User Stories to GitLab (cont.)

- **PROJECT** level! (title, description, assignees, epic and milestone)

The screenshot shows the GitLab 'New Issue' form for the project 'an_example_project'. The left sidebar contains the project navigation menu, with 'Issues' highlighted. The main form area is titled 'New Issue' and contains the following fields:

- Title:** A text input field containing 'removing a booking record'.
- Type:** A dropdown menu set to 'Issue'.
- Description:** A rich text editor with a 'Write' tab selected. The text inside reads: 'As a user, I want to be able to cancel my reservation at anytime so that I do not lose all the money if an incident occurs.' Below the editor, there is a link to 'Attach a file'.
- Assignees:** A dropdown menu showing 'zf1025 + 2 more'.
- Epic:** A dropdown menu showing 'Design'.
- Milestone:** A dropdown menu showing 'Initial planning and design'.
- Weight:** A text input field with the placeholder 'Enter a number'.
- Due date:** A text input field with the placeholder 'Select due date'.
- Labels:** A dropdown menu showing 'Labels'.

At the bottom of the form, there is a checkbox labeled 'This issue is confidential and should only be visible to team members with at least Reporter access.' The sidebar on the left includes links to 'Project information', 'Repository', 'Issues' (with a count of 5), 'List', 'Boards', 'Service Desk', 'Milestones', 'Iterations', 'Requirements', 'CI/CD', 'Security & Compliance', 'Deployments', 'Monitor', 'Infrastructure', 'Packages & Registries', 'Analytics', 'Wiki', 'Snippets', and 'Settings'.



Sprint Planning (~30 mins.)

- Enter weights (for stories) and time estimates (for tasks) on GitLab
- Create labels on GitLab
- Set up an Issue Board on GitLab



Weight (Story points)

- Gives team a more realistic way to approach estimates.
- Represent the size, complexity, and effort needed for completing or implementing a user story.
- Use Fibonacci weights (story points), 1, 2, 3, 5, 8, 13, 21, 34, 55.



Time Estimate


- Time tracking
- To enter an estimate (in comment), /estimate 6h
- To enter time spent (in comment), /spend 5h

Mark as done

»

Assignee

Edit

 zf1025
@zf1025

Epic

Edit

Design

Milestone

Edit

Initial planning and design

Iteration

Edit

None

Time tracking

?

Spent 5h

Est 6h

Time tracking report



Create Labels on GitLab

- Labels are a powerful, flexible way to categorize issues, in that you can filter things with them and associate things using them.
- Labels appear in color on issues and provide us a visual way to link issues across the issue board.



Create Labels on GitLab (cont.)

The screenshot displays the GitLab interface for a project named 'an_example_project'. The left sidebar contains a menu with items like 'Project information', 'Activity', 'Labels', 'Members', 'Repository', 'Issues', 'CI/CD', 'Security & Compliance', 'Deployments', 'Monitor', 'Infrastructure', 'Packages & Registries', 'Analytics', 'Wiki', 'Snippets', and 'Settings'. The 'Labels' item is highlighted with a red box. The main content area shows the 'Labels' page for the project 'CS518 / spring 2023 / staff-group / an_example_project'. At the top right, there is a 'New label' button highlighted with a red box. Below this, there is a section for 'Prioritized Labels' and a section for 'Other Labels'. The 'Prioritized Labels' section lists 'development' and 'in-review'. The 'Other Labels' section lists 'done', 'not-started', and 'testing'. A red box highlights the star icon next to the 'done' label, with the text 'make it a priority label' next to it.

GitLab Menu

an_example_project

Project information

Activity

Labels

Members

Repository

Issues 5

CI/CD

Security & Compliance

Deployments

Monitor

Infrastructure

Packages & Registries

Analytics

Wiki

Snippets

Settings

CS518 > staff-group > an_example_project > Labels

All Subscribed

Filter

Name

New label

Labels can be applied to issues and merge requests.
Star a label to make it a priority label. Order the prioritized labels to change their relative priority, by dragging.

Prioritized Labels

development CS518 / spring 2023 / staff-group / an_example_project Issues · Prioritized label ★ ✎ ⋮ Subscribe

in-review CS518 / spring 2023 / staff-group / an_example_project Issues · Prioritized label ★ ✎ ⋮ Subscribe

Other Labels

done CS518 / spring 2023 / staff-group / an_example_project Issues ★ ✎ ⋮ Subscribe

not-started CS518 / spring 2023 / staff-group / an_example_project Issues ☆ ✎ ⋮ Subscribe

testing CS518 / spring 2023 / staff-group / an_example_project Issues ☆ ✎ ⋮ Subscribe

make it a priority label

« Collapse sidebar



Label an issue on GitLab

New Issue

CS518 > ... > staff-group > an_example_project > Issues > New

New Issue

Title

Add [description templates](#) to help your contributors to communicate effectively!

Type

Description

Write Preview

Write a description or drag your files here...

[Attach a file](#)

Assignees

Epic

Milestone

Labels

Weight

Due date

only be visible to team members with at least Reporter access.

[Assign to me](#)

Select label

No label

development

done

feature A

Create project label

Manage project labels

Edit Issue

Epic [Design](#) [Edit](#)

Milestone [Initial planning and design](#) [Edit](#)

Iteration [None](#) [Edit](#)

Time tracking [No estimate or time spent](#) [?](#)

Due date [None](#) [Edit](#)

Labels [Edit](#)

[feature C](#) [not-started](#)

[feature C +1 more](#)

Assign labels

development

done

feature A

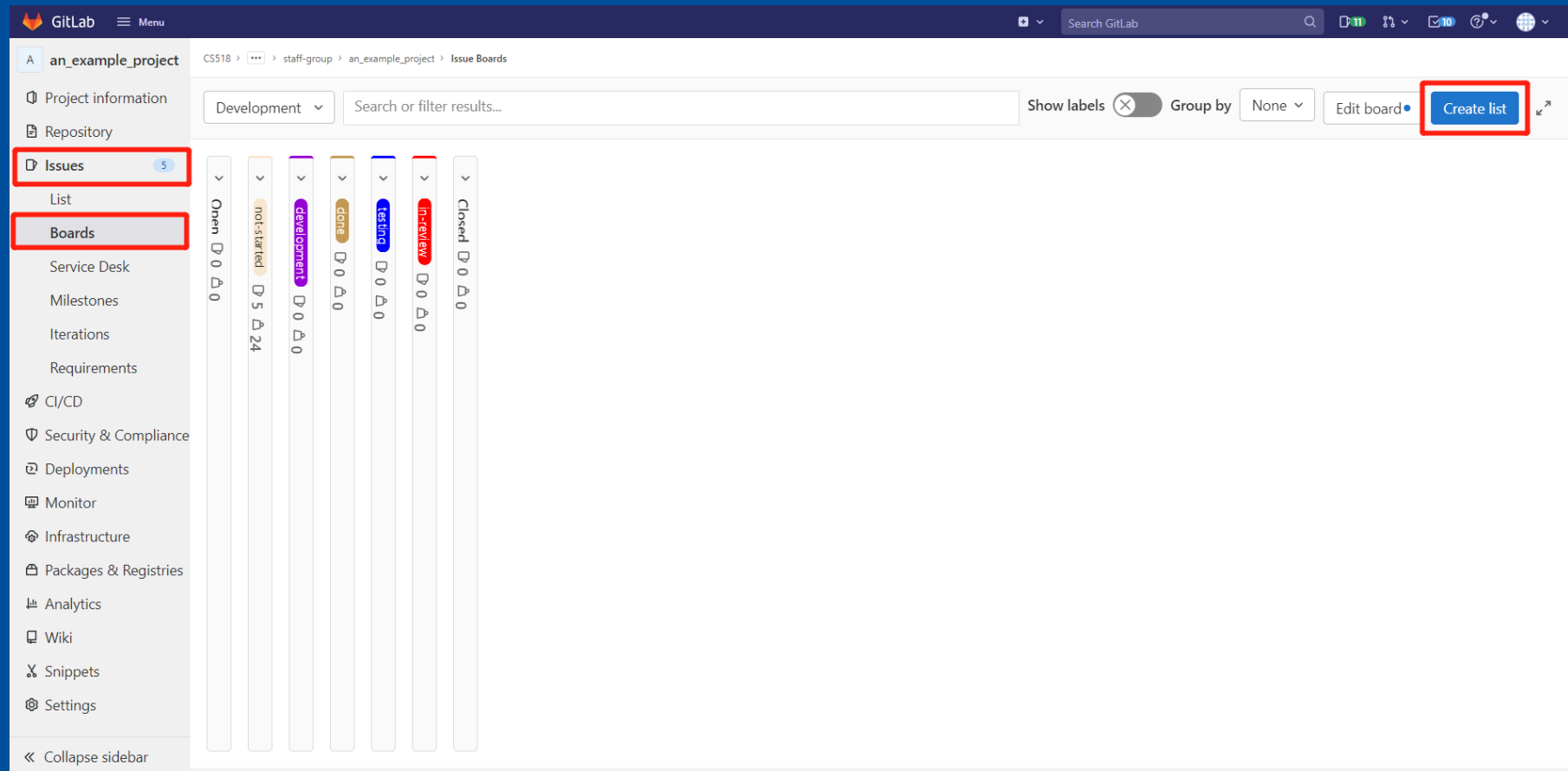
Create project label

Manage project labels



Issue Board on GitLab

- Scope (Label, Assignee, Milestone, Iteration)



Submission (due 2/14)

- A document (docx / pdf) to Canvas, group submission
 - personas and user stories
 - screenshot of your **issue list** and **issue board**.
- GitLab
 - issues (completed issue list)
 - issue board (w/ labels)
 - push the above document to your workspace



Help sessions

- In person:
Mon, 12:40 ~ 14:00 KING N113
Mon, 14:10 ~ 15:30 KING N133
Mon, 15:40 ~ 17:00 KING N133
- Discord (@ta/cs518:online)
Mon, 18:00 ~ 20:00
Tue, 18:00 ~ 20:00
Wed, 18:00 ~ 20:00





More Questions?

