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# Gitlab DevOps Tool



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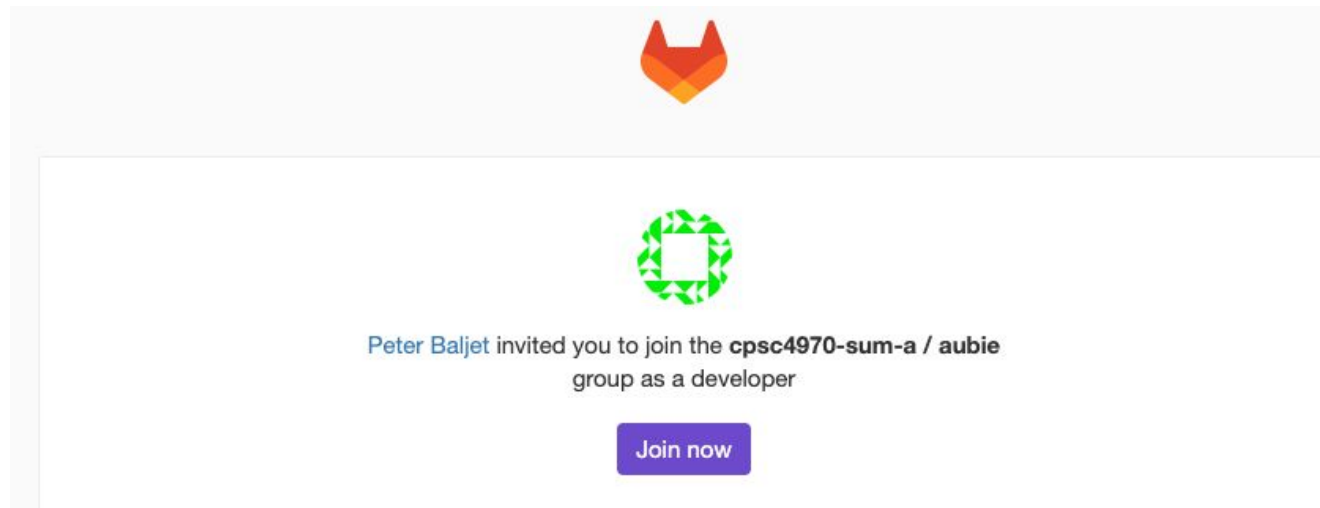
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- Gitlab will be used during the course to progressively build our secure software development build pipeline.
- Gitlab provides the follow key capabilities:
  - Git repositories
  - Controlled change management through branch protection and change review
  - Automated build process based on triggers such as code checkins
  - Execution of compile, tests, scanning, packaging, and deployment of applications
  - Repository to manage dependencies



# Gitlab Setup


- You should have received an email providing access your Gitlab group.
  - Group: “CPSC4970-summer-a/<student>”
  - Setup an account with your Auburn email address
- This Gitlab group will be used throughout the course
  - Assignment repositories will be added throughout the course.



# Gitlab Overview - Login View



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 **GitLab** Menu + Search GitLab / 🔖 🔗 🔍 🔔 👤

## Projects New project

**Your projects** 1 **Starred projects** 0 [Explore projects](#) [Explore topics](#) [Per](#)

[All](#) [Personal](#)

A

cpsc4970-sum-a / aubie / **Assignment 1a** 

Developer

★ 0

🔗 0

Updated 9 minutes ago

Clone Repo & Push branches



# Gitlab Overview - Setup SSH Key

Select the Assignment 1a Project

The screenshot shows the GitLab web interface. At the top is a dark blue header with the GitLab logo, a menu icon, a search bar, and several utility icons. Below the header, the 'Projects' section is visible, with a 'New project' button on the right. Under 'Your projects', there is a list of projects. The first project, 'Assignment 1a', is highlighted. It is owned by 'aubie' and is a 'Developer' project. The project description is 'Clone Repo & Push branches'. It has 0 stars and 0 forks. The last update was '9 minutes ago'.

Add an SSH key...following instructions.

This screenshot shows the project page for 'Assignment 1a'. At the top, there is a yellow warning banner that says: 'You can't push or pull repositories using SSH until you add an SSH key to your profile.' Below the banner are two buttons: 'Add SSH key' and 'Don't show again'. The project name 'Assignment 1a' is prominently displayed, along with its Project ID: 35977724. Below the project name, there are statistics: 1 Commit, 1 Branch, 0 Tags, 72 KB Files, and 72 KB Storage. At the bottom, there is a 'Clone Repo & Push branches' button. The right side of the page shows interaction buttons: a notification bell, 'Star' (0), and 'Fork' (0).



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