



UNIVERSITY of NEW ORLEANS  
DEPARTMENT OF COMPUTER SCIENCE

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## Creating and Setting a Project in Gitlab

GitLab is a web-based Git repository that provides private repositories to save your projects. It is a complete development platform that enables professionals to perform all the tasks in a project—from project planning and source code management to monitoring and security. Additionally, it allows teams to collaborate and build better software.

**Git:** it is an open-source distributed control system that handles creating, saving, and managing projects remotely with speed and efficiency.

1. Go to [gitlab.cs.uno.edu](https://gitlab.cs.uno.edu).
2. Sign in with **UNO Active Directory Login**.
3. Create a new project for this class:  
New project → *your\_username* \_1581 → create project, where *your\_username* is your UNO username.
4. Add the instructor as a developer:  
From the sidebar go to Project information → Members → click on invite members → type [ralshaw@uno.edu](mailto:ralshaw@uno.edu) → select a role “choose developer” → set expiration date (optional) and click invite.

## Deleting a project repository:

From the sidebar, go to setting → Advanced → Expand → Scroll down to delete project.

Setting up the remote repository allows you to remotely store your codes and enables your instructors to access them. Next step is, connecting your personal machine with Gitlab.

## Clone your repository into your local system:

1. On your PC, create a new folder for this course in your preferred location.  
Example: *your\_path* → new folder (**CSCI1581**) →  
From terminal/ Git shell, change your directory to CSCI1581 folder.  
Type: `cd yourpath/ CSCI1581`
2. Go to Gitlab website and access the project that you previously created under the name *your\_username* \_1581.
3. Go to clone and copy the **Clone with HTTPS** URL.
4. From terminal/ Git shell type **git clone** and paste the URL.  
Example: `git clone https://gitlab.cs.uno.edu/username/ your_username _1581.git`
5. You will need to enter your username and password.

6. Once you finish this, a message will appear:

```
Cloning into 'username_1581'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

And a folder named, *your\_username\_1581*, will appear in your directory. In this example it is *yourpath/ CSCI1581/ your\_username\_1581*.

7. You may need to set your username and email to push your projects to Gitlab:

```
git config --global user.email "your_email"
```

```
git config --global user.name "your_username"
```

## Incorrect Username/Password

If you entered your username/password incorrectly, a deny message will appear.

**Mac users** just copy and paste the clone command again and fill in your correct username /password.

Windows users go to Credential manager → windows credentials → remove the username and password under **gitlab.cs.uno.edu**. Next, copy and paste the clone command again and fill in your correct username/password.

## Change Gitlab password

If you forget your Gitlab password, go to the Gitlab web page, from the top bar click on your profile icon and select **Edit profile**. From the sidebar select passwords and change your password.

You have successfully created a copy of your remote repository into your local machine. You will create and complete your lab assignments inside this directory. For each lab assignment you should create a new subdirectory.

## Creating a New Subdirectory for Lab Assignment 1

1. Create a new folder inside *your\_username\_1581*. You can create the folder manually or from Terminal/Git shell by typing: `mkdir lab_assignment1`. You must be inside *your\_username\_1581*, type `pwd` to check your current location.
2. Create your first HelloWorld class using sublime and save it as `HelloWorld.java`.
3. Compile and run your code.
4. Type the command: `git add HelloWorld.java`, to add it to your Gitlab repository.
5. Commit your file: `git commit -m "your message"`
6. Type the command: `git push origin main (or master)`. Where **main** is your main branch in your Gitlab project.

Now, login to you Gitlab account, you will find the **lab\_assignment1** folder inside *your\_username \_1581* project.