

Object-Oriented Programming in

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based on work from:

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- (Good way to create a portfolio)
- Distributed Management of source code files, diffs, versions. . .
- Repository: local copy vs. centrally share repo
- Git manages only files, **not** (directly) directories
- To create a repository:
`git init mylocalcopy/`
- To get an existing repository:
`git clone https://the-repo-url` *From here, we are inside mylocalcopy/*
- To tell git to manage a given file:
`git add myfile.java`
- To check what git thinks of the files:
`git status [myfile.java]`
- To tell git to “store/accept” the new version locally:
`git commit -m "My message" myfile.java`
- To tell git to “push” the new version to everybody (remote):
`git push`
- To get the latest version from the others (remote):
`git pull`

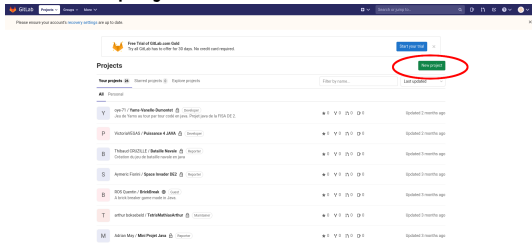
- Create an account

https://github.com/join?ref_cta=Sign+up

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The screenshot shows the 'New project' form in the GitLab web interface. The form is titled 'New project' and includes instructions on how to create a project. It features four tabs: 'Blank project', 'Create from template', 'Import project', and 'CI/CD for external repo'. The 'Blank project' tab is selected. The form contains the following fields and options:

- Project name:** A text input field with a red circle around it.
- Project URL:** A text input field with a red circle around it.
- Project slug:** A text input field with a red circle around it.
- Project description (optional):** A text area for describing the project.
- Visibility level:** A dropdown menu with three options: 'Private' (selected), 'Internal', and 'Public'. It has a red circle around it.
- Initiation repository with CI/CD:** A checkbox labeled 'Initiation repository with CI/CD'.

At the bottom of the form, there are two buttons: 'Create project' and 'Cancel'.

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- Create a project

- Get it:

```
git clone https://gitlab.com/<user>/<project>
```

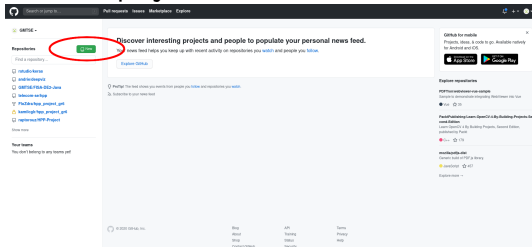
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https://gitlab.com/users/sign_in#register-pane

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The screenshot shows the 'Create a new repository' page on GitLab. At the top, there's a navigation bar with 'Search in your files', 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below this, the main heading is 'Create a new repository' with a subtext: 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)'

The form contains the following fields and options:

- Owner:** A dropdown menu with 'GITLAB' selected. The text 'Repository name' is circled in red.
- Description (optional):** A text input field.
- Public:** A checkbox that is checked. This option is circled in red. Below it, text reads: 'Anyone in the world can view this repository. You choose who can commit.' There is also an unchecked 'Private' option with text: 'You choose who can view and commit to this repository.'
- Initialize this repository with:** A section with the text 'Skip this step if you're importing an existing repository.' It includes three options:
 - ☐ **Add a README file**: 'This is where you can write a brief description for your project. [Learn more.](#)'
 - ☐ **Add .gitignore**: 'Choose which files not to track from a list of templates. [Learn more.](#)'
 - ☐ **Choose a license**: 'A license lets others know how they can and can't use your code. [Learn more.](#)'

At the bottom of the form is a green button labeled 'Create repository'.

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- Create a project

- Get it:

```
git clone https://github.com/<user>/<project>.git
```

- Install the eGit plugin

<https://www.youtube.com/embed/WSdIbqw7Kz4>

- Import the repository

https://www.youtube.com/embed/Fv_5KEN6Ix4

- Clone the content

<https://www.youtube.com/embed/r77J-r0Pv74>