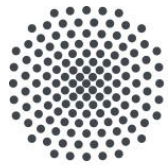


GitLab Instructions for Students



University of Stuttgart

Brian Setz

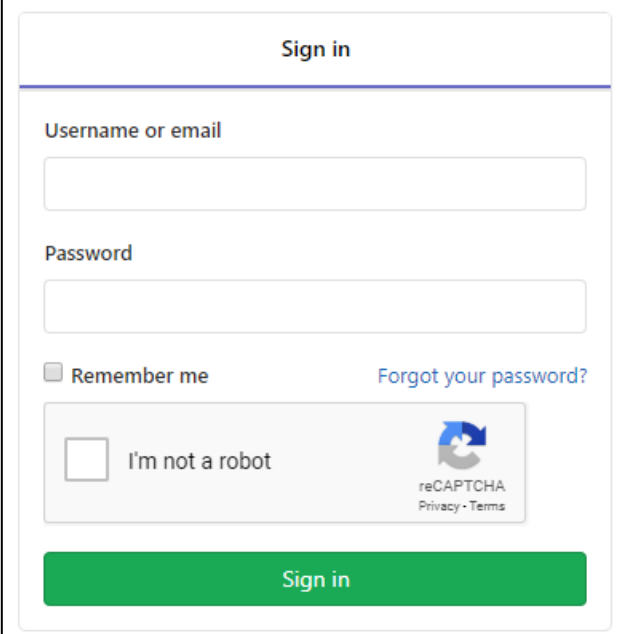
brian.setz@iaas.uni-stuttgart.de

Service Computing Department

Institute of Architecture of Application Systems

Organisation of Student Repositories

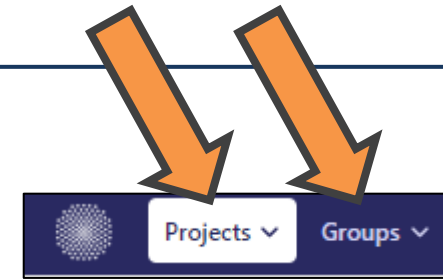
- GitLab <https://gitlab.svccomp.de/>
 - Web-based Git repository manager (like GitHub)
 - Git → distributed version control system
 - Documentation: <https://gitlab.svccomp.de/help/user/index.md>
 - Your supervisor will create an account for you using your student email address
 - Follow the email instructions to set your password
- Login with your username / email and password once you have configured your password
- Fill in the reCAPTCHA
- Complete the login process



The image shows a screenshot of a web-based sign-in form. At the top, it says "Sign in". Below this, there are two input fields: "Username or email" and "Password". Under the "Password" field, there is a checkbox labeled "Remember me" and a link that says "Forgot your password?". Below these fields is a reCAPTCHA widget with the text "I'm not a robot" and a small square icon. To the right of the reCAPTCHA is the reCAPTCHA logo and the text "reCAPTCHA Privacy - Terms". At the bottom of the form is a large green button labeled "Sign in".

GitLab Usage

- Browse all groups assigned to you
 - <https://gitlab.svccomp.de/dashboard/groups>
- Browse all repositories assigned to you
 - <https://gitlab.svccomp.de/dashboard/projects>
- Setup your SSH keys
 - <https://gitlab.svccomp.de/profile/keys>
 - Generate SSH keys:
 - <https://gitlab.svccomp.de/help/ssh/README#generating-a-new-ssh-key-pair>
- How to use git
 - <https://rogerdudler.github.io/git-guide/>
 - <https://product.hubspot.com/blog/git-and-github-tutorial-for-beginners>
 - <https://git-scm.com/docs/gittutorial>



Branches

- Master branch should contain only the **final version** of your work
- By default the **master branch is protected**
 - This means you cannot commit to it
- Create a **develop branch**
 - `$ git checkout -b develop`
 - `$ git push -u origin develop`
- Add your commits to the develop branch and push them
- Modifications to this branching model may be made by your supervisor

Final Version

- Before finishing your project or thesis, the **final version has to be placed in the master branch**. This is mandatory

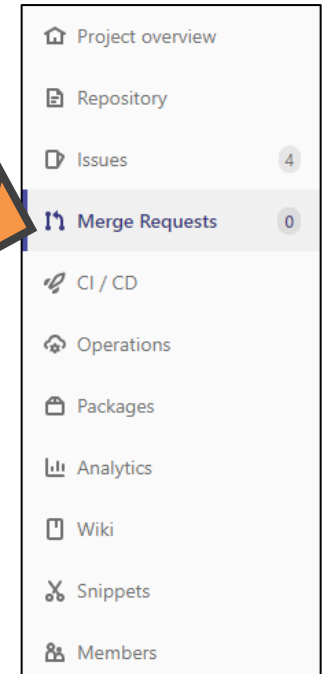
- Create a Merge Request

- Source: develop
- Target: master

New Merge Request

Source branch: svccomp-students/entwicklu... develop

Target branch: svccomp-students/entwicklu... master



- Assign your supervisor to the merge request

Assignee: Unassigned

- Finalize the merge request