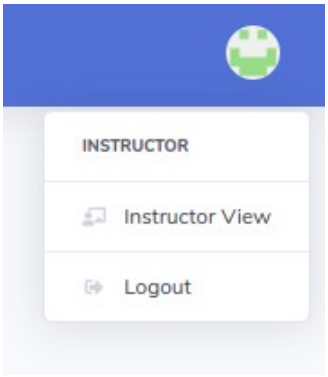
Web-server Embedded-system Tester

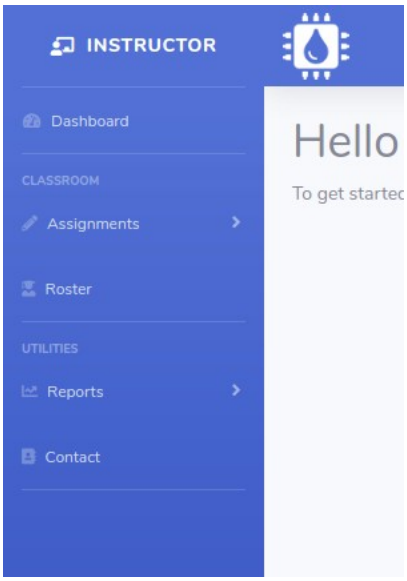
Instructor User Guide

The WET System provides simple ways to get assignments up for students. To get a class running – use the URL https://classroom.github.com/classrooms This requires that a GitHub organization is also made – but the GitHub website will guide you through the process of making a new classroom. After creating the classroom, the WET Site will take care of everything else.

After you log in with your GitHub account, the top-right icon can be clicked and will reveal the link to the Instructor view:

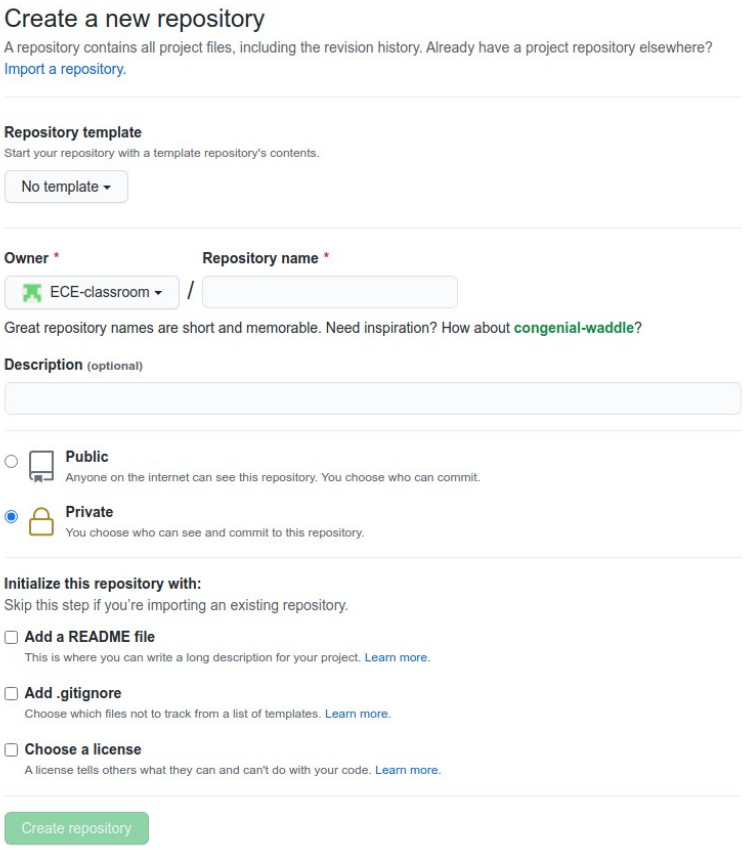


Upon clicking the link, the Instructor dashboard will be shown, and some options will be presented:



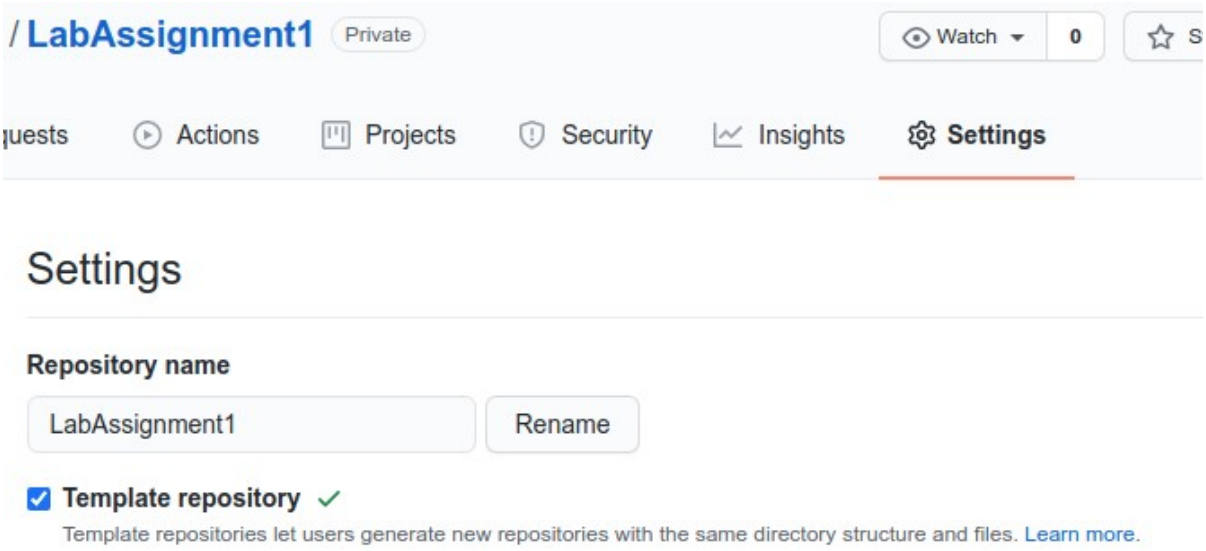
Assignments

Clicking assignments will reveal a drop-down menu. If no assignments exist yet, click “New Assignment”. This will reveal the page to create an assignment for students. However, you will need a template repository to give to students – this is done on GitHub by navigating to the “New” option within the classroom organization page. Create a new repository and give it a name:



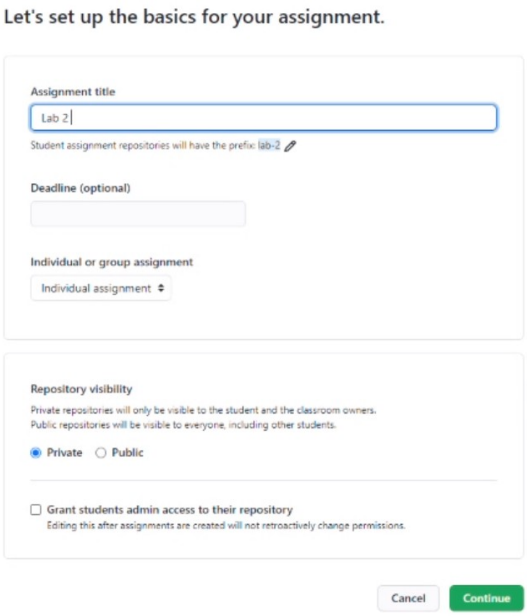
Then, create an initial commit (following the steps on GitHub) and provide students with a repository template containing the PyTest file (see Test Language Guide) and perhaps some initial C code to be changed as well as a project README.md file.

Once the repository is made, it needs to be made into a template, by clicking settings in the repository and enabling the “Template repository” check box:

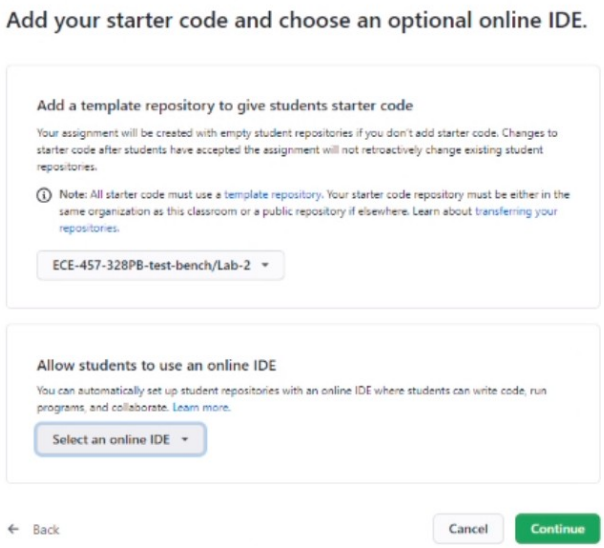


Now, this repository may be used as a student repository. Make sure all desired changes are made to the template before creating an assignment.

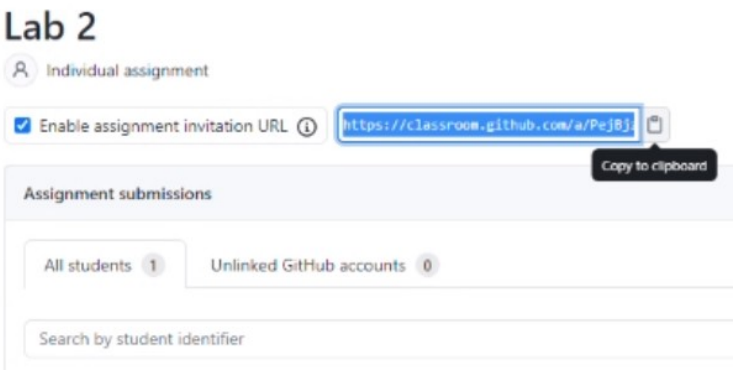
Now, GitHub classroom must add the assignment, by clicking “New assignment” on the GitHub classroom you’ve created. Give the assignment a title, and don’t worry about the deadline – the WET System will handle that, then click “Continue”:



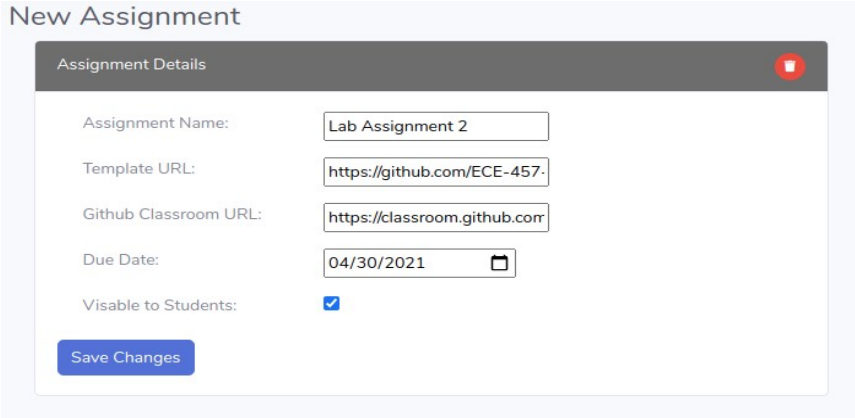
Now, select the Template repository you created, and click “Continue”:



Finally, to create the assignment, copy the URL of the template repository into the “Template URL” space, as well as the assignment invitation URL into the “GitHub Classroom URL” space on the WET site:



Finally, give the assignment a due date, and if it should be immediately available to students, enable the “Visible to Students” option, and save the changes:



Now, the assignment should be created. All of these settings can be changed later by clicking “Assignments” on the side panel and clicking the assignment in the drop-down box. Now, you can see a list of all the student submissions to the project. Now, when students log in, they will see a card telling them to accept the assignment and start creating Git commits. Also note, to provide privacy, student submissions are blurred unless the mouse hovers over that particular submission.

Roster

However, this requires that they create a user on the WET Site first. Clicking “Roster” on the side bar will bring you to the class roster – and it will add students to the class to start doing assignments. Start by clicking the “Add students” icon on the top right of the card on the roster page:

This lets you add students using a CSV format – via their surname, first name, and email address, in that order. This email does not have to be the one associated with their GitHub account, as the WET Site will make that association for you. After you add students (which may also be removed or edited by clicking on their name in the list, you can click “Send Registration Links” to send out an email to all non-registered students. This will send them a confirmation email to their listed email address, as well as link their GitHub account to that user. At this point, students are set to start uploading their project code.

Reports

The Reports page allows for mass details of all of the class grades and projects. There are two export options in the form of a CSV and PDF, making it easy to fill out course grades in another location. On this page, all grades for all existing assignments are shown, in order to quickly grasp course progress. This report should mainly be used for end-of-term grading, as each individual assignment page has a search feature that can be used to look for an individual submission.

Contact

Should there be any issues, please click the contact page which provides email links to project maintainers. There, you may receive support regarding the project as well as inform any bugs or issues you may find.