Gradescope Autograder

How to create a new assignment

Prerequisites

- Local copy of CSSE220 repository (github.com/rhit-csse/csse220)
- Local copy of autograder repository (github.com/cm090/gradescope-autograder)
- Instructor/TA access to the Gradescope course

New Gradescope Assignment

1. Open the **Assignments** tab on the Gradescope course homepage.



2. Click on the Create Assignment button.

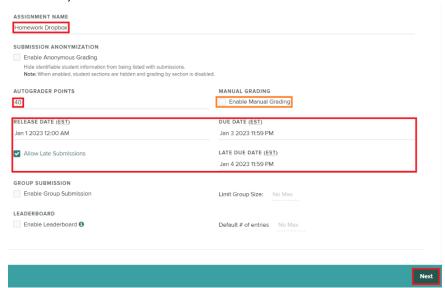


3. Select Programming Assignment, then click Next.



4. Provide a name for the assignment (usually HomeworkName + Dropbox) and the number of points given by unit tests. If an assignment will be manually graded, this value should be 0. Optionally enable manual grading to set up a rubric later in the process, which won't be covered

in this tutorial. Set a release and due date, and optionally a late due date. After this information is entered, click **Next**.



- 5. The next page will show options to change visibility by section. This is useful for administering exams. Click **Create Assignment** to continue.
- 6. You will be taken to the autograder configuration screen. If this assignment will be manually graded, upload *manual-grading-only.zip* from the resources folder of the autograder repository. Make sure to change the **Base Image Variant** to **JDK 17** then click **Update Autograder**. Skip to the Configuration section. Otherwise, continue to the section below.

Building the Autograder

- 7. In your local copy of the autograder repository, open the bulder folder and double-click *AutograderBuilder.jar*.
- 8. Follow the instructions in the new window to select the original assignment, autograder template, and output directories. Provide a point value that matches the autograder points of the Gradescope assignment, then click **GENERATE AUTOGRADER**.
- 9. On Gradescope, click **Select Autograder** and upload the ZIP file in the output directory. Change the **Base Image Variant** to **JDK 17** then click **Update Autograder**.
- 10. If you are having problems with this process, use the instructions in the template folder to manually build the autograder.

Configuration

- 11. Click on **Settings**. Start by linking the assignment to Moodle by clicking **Link**.
- 12. Scroll to submission methods and make sure **Upload** is the only option checked.
- 13. (Optional) Update the ignored files to a recommended format:
 - a. *

!NameOfFile.java

Copy the above two lines and duplicate the second line for each file you want students to upload

b. *Test*

Copy the above line to ignore all test files (recommended if students should upload files that are not only code)

c. *

!*.java

Test

Copy the above three lines to allow only Java files that are not tests

14. Click Save.