

We have allowed you to comment and suggest on the Google Docs (ping us on the message board if you can't) if you would like to provide any feedback (anything small or big such as a typo, grammar mistake, suggested change, etc. is welcome).

## CSE 332: Data Structures and Parallelism

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### Submitting Using GitLab

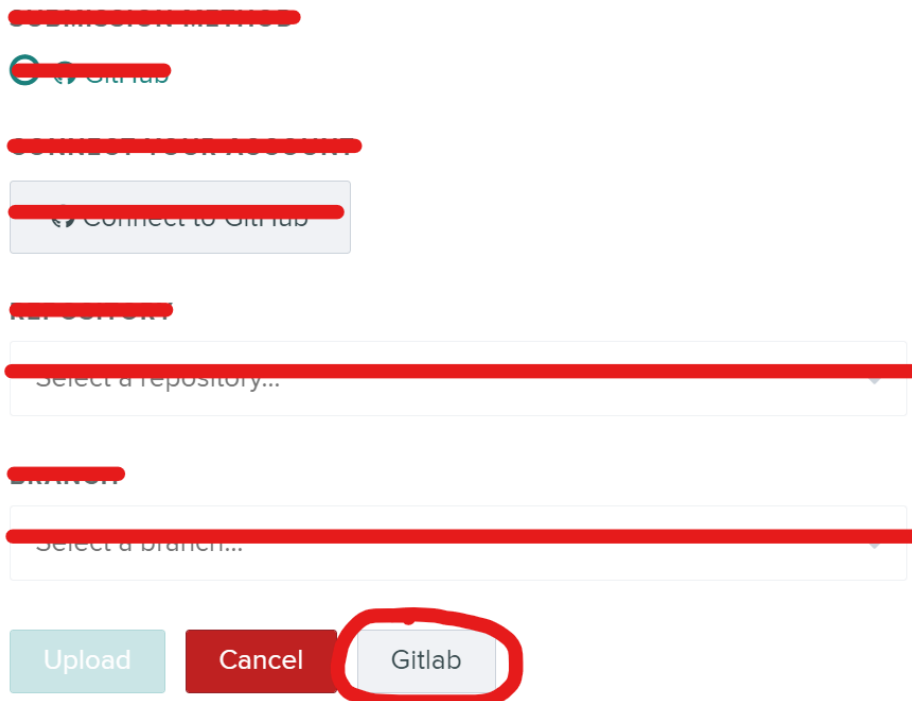
## Submitting Code on Gradescope

All projects and some exercises will use **Gradescope**:

1. First, [commit and push](#) your changes to your given repository (e.g. P1-pikachu).
2. From the CSE 332 dashboard, click on the appropriate assignment (e.g. P1).
3. In the pop-up that appears, rather than dragging files into the box, **click the Gitlab button** at the bottom right corner:  
(do not upload via the other methods such as file upload or GitHub).

### Submit Programming Assignment

 Upload all files for your submission



The screenshot shows the submission interface with several red annotations:

- A red circle highlights the GitLab icon in the top left.
- A red circle highlights the "Connect to Gitlab" button.
- A red circle highlights the "Select a repository..." dropdown menu.
- A red circle highlights the "Select a branch..." dropdown menu.
- A red circle highlights the "Gitlab" button at the bottom right.

4. Authenticate Gradescope using your CSE Gitlab account by clicking Authorize:

### Authorize **Gradescope for 332** to use your account?

An application called **Gradescope for 332** is requesting access to your GitLab account. This application was created by **Winston Jodjana**. Please note that this application is not provided by GitLab and you should verify its authenticity before allowing access.

This application will be able to:

- **Access the authenticated user's API**  
Grants complete read/write access to the API, including all groups and projects, the container registry, and the package registry.

[Deny](#) [Authorize](#)

5. Find your repository in the list and click **Submit Project**. Leave the branch on `master`.

(or if you made a different branch that has your most recent work, change the branch to that)

Choose a Gitlab project to submit for P1


p1-baklava	<input type="text"/>	<input type="button" value="Search"/>	
PROJECT	LAST UPDATED	BRANCH	SUBMIT
cse332 / p1-baklava	Jan 01 at 0:00AM	master	<input type="button" value="Submit Project"/>

6. From past experience, the **LAST UPDATED** time you see above is sometimes out of sync with the last time you actually updated your project. However, as long as you see the changes in your Gitlab repository, Gradescope should have those changes.

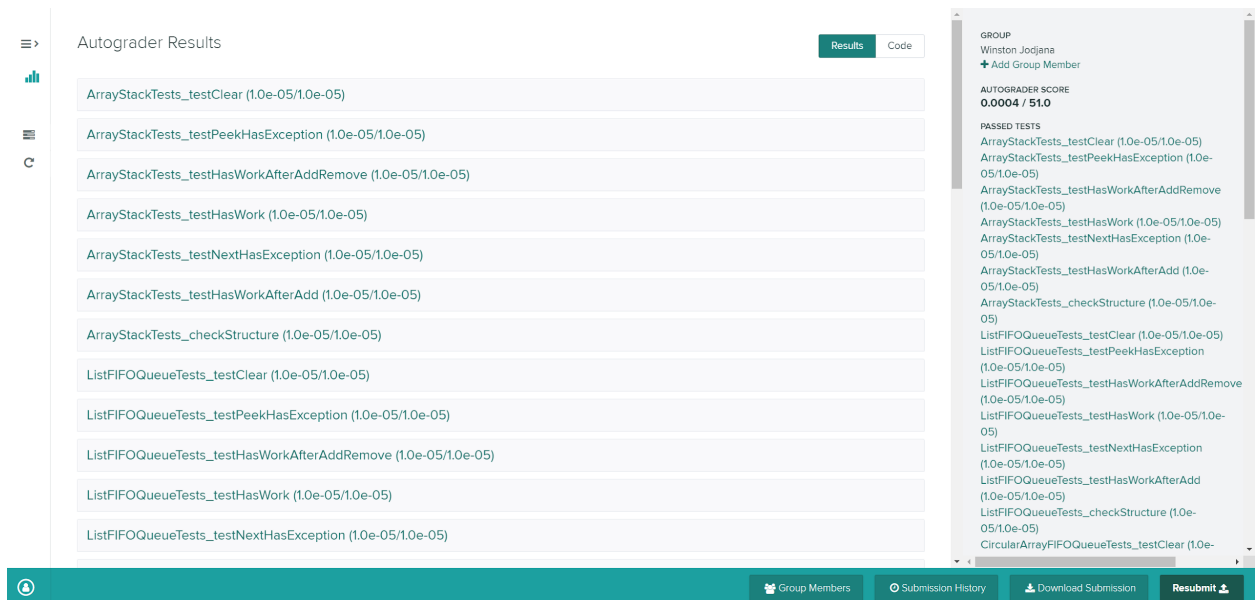
(you can always double check by clicking on **Code** on the top right after you submit)

- After clicking **Submit Project**, you should be brought back to Gradescope and the autograder should now be running (give it some time):

## Autograder Results

 The autograder hasn't finished running yet.

- After a few minutes, the autograder will finish running your code and automatically update the page with the test output to make sure your code compiled properly:  
(for projects, the tests that you see are the ones we have provided in `src/tests/gitlab` so if those fail, try resubmitting again and make sure they pass locally)



The screenshot displays the 'Autograder Results' page. On the left, there is a sidebar with navigation icons. The main content area shows a list of tests, all of which are marked as passed. The tests listed are:

- ArrayStackTests\_testClear (1.0e-05/1.0e-05)
- ArrayStackTests\_testPeekHasException (1.0e-05/1.0e-05)
- ArrayStackTests\_testHasWorkAfterAddRemove (1.0e-05/1.0e-05)
- ArrayStackTests\_testHasWork (1.0e-05/1.0e-05)
- ArrayStackTests\_testNextHasException (1.0e-05/1.0e-05)
- ArrayStackTests\_testHasWorkAfterAdd (1.0e-05/1.0e-05)
- ArrayStackTests\_checkStructure (1.0e-05/1.0e-05)
- ListFIFOQueueTests\_testClear (1.0e-05/1.0e-05)
- ListFIFOQueueTests\_testPeekHasException (1.0e-05/1.0e-05)
- ListFIFOQueueTests\_testHasWorkAfterAddRemove (1.0e-05/1.0e-05)
- ListFIFOQueueTests\_testHasWork (1.0e-05/1.0e-05)
- ListFIFOQueueTests\_testNextHasException (1.0e-05/1.0e-05)

On the right side, there is a summary panel showing the 'GROUP' as 'Winston Jodjana', the 'AUTOGRADE SCORE' as '0.0004 / 51.0', and a list of 'PASSED TESTS' corresponding to the tests shown in the main list. At the bottom of the page, there is a navigation bar with buttons for 'Group Members', 'Submission History', 'Download Submission', and 'Resubmit'.

- If you passed all these tests and ensured that the code you submitted is the correct one (you can access this by clicking **Code** on the top right), you're done!

You can submit to Gradescope as many times and as frequently as you like before the deadline. If you make more than one submission, you can mark the submission you'd like to use by clicking **Submission History** then **Activate** the one you want.

Again, double check to make sure the code you submitted is the one you want submitted.

As a point of reference, this is what failing the tests look like:

The screenshot displays the 'Autograder Results' interface. On the left, a sidebar shows navigation icons. The main area is titled 'Autograder Results' and contains a list of test results. Each result is a card with a title, a status (e.g., 'Test Failed'), and a stack trace. The failed tests are:

- ArrayStackTests\_testClear (0.0/1.0e-05)**: Test Failed: expected:15 but was:10@ at tests.gitlab.ckpt1.ArrayStackTests.testClear:98 (ArrayStackTests.java)
- ArrayStackTests\_testPeekHasException (0.0/1.0e-05)**: Test Failed: java.lang.ArrayIndexOutOfBoundsException: Index -1 out of bounds for length 10 at datastructures.work.lists.ArrayStack.peek:40 (ArrayStack.java) at tests.gitlab.ckpt1.ArrayStackTests.testPeekHasException:125 (ArrayStackTests.java) at tests.gitlab.ckpt1.ArrayStackTests.testPeekHasException:78 (ArrayStackTests.java)
- ArrayStackTests\_testHasWorkAfterAddRemove (0.0/1.0e-05)**: Test Failed: Assertion failed at tests.gitlab.ckpt1.ArrayStackTests.testHasWorkAfterAddRemove:73 (ArrayStackTests.java)
- ArrayStackTests\_testNextHasException (0.0/1.0e-05)**: Test Failed: Assertion failed at tests.gitlab.ckpt1.ArrayStackTests.testNextHasException:98 (ArrayStackTests.java)
- ArrayStackTests\_checkStructure (0.0/1.0e-05)**: Test Failed: java.lang.NullPointerException at tests.gitlab.ckpt1.ArrayStackTests.checkStructure:37 (ArrayStackTests.java)

Below the failed tests, there are several 'ListFIFOQueueTests\_testClear' entries, all with a status of 'Passed'.

On the right side, a summary panel shows the 'GROUP' as 'Winston Jodjana', the 'AUTOGRADER SCORE' as '0.0004 / 51.0', and a list of 'FAILED TESTS' corresponding to the ones shown in the main area. Below the failed tests, a 'PASSED TESTS' section lists several tests that passed.

At the bottom of the interface, there is a teal navigation bar with buttons for 'Group Members', 'Submission History', 'Download Submission', and 'Resubmit'.

Let us know if you have any questions or run into any issues (reference the step number if that's relevant) on the message board.