

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

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

Submit your submission

  GitLab

Submit your submission

 Connect to GitLab

Submit your submission

Select a repository...

Submit your submission

Select a branch...

Upload

Cancel

Gitlab

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		Search	
PROJECT	LAST UPDATED	BRANCH	SUBMIT
cse332 / p1-baklava	Jan 01 at 0:00AM	master	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)

7. 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.

8. 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's a sidebar with navigation icons. The main area shows a list of tests with their names and scores. The tests are grouped into two categories: ArrayStackTests and ListFIFOQueueTests. The results show that all tests passed. On the right, there's a detailed view of the tests, showing the group name 'Winston Jodjana', the autograder score '0.0004 / 51.0', and a list of passed tests. The bottom bar contains buttons for 'Group Members', 'Submission History', 'Download Submission', and 'Resubmit'.

Test Name	Score
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)
ListFIFOQueueTests_testHasWorkAfterAdd	(1.0e-05/1.0e-05)
ListFIFOQueueTests_checkStructure	(1.0e-05/1.0e-05)
CircularArrayFIFOQueueTests_testClear	(1.0e-05/1.0e-05)

9. 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. The main panel shows a list of test results for 'ArrayStackTests' and 'ListFIFOQueueTests'. The 'ArrayStackTests' section shows several failed tests, including 'testClear', 'testPeekHasException', 'testHasWorkAfterAddRemove', 'testNextHasException', and 'testCheckStructure'. The 'ListFIFOQueueTests' section shows a failed test 'testClear'. The right sidebar provides a summary of the group's performance, including the group name 'Winston Jodjana', the autograder score '0.0004 / 51.0', and a list of failed tests. The bottom navigation bar includes links for 'Group Members', 'Submission History', 'Download Submission', and 'Resubmit'.

Autograder Results

Results Code

ArrayStackTests_testClear (0.0/1.0e-05)

Test Failed: expected:5 but was:10
at tests.gitlab.cpkt1.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.worklists.ArrayStack.peek:40 (ArrayStack.java)
at tests.gitlab.cpkt1.ArrayStackTests.testPeekHasException:158 (ArrayStackTests.java)
at tests.gitlab.cpkt1.ArrayStackTests.testPeekHasException:78 (ArrayStackTests.java)

ArrayStackTests_testHasWorkAfterAddRemove (0.0/1.0e-05)

Test Failed: Assertion failed at tests.gitlab.cpkt1.ArrayStackTests.testHasWorkAfterAddRemove:73 (ArrayStackTests.java)

ArrayStackTests_testHasWork (1.0e-05/1.0e-05)

ArrayStackTests_testNextHasException (0.0/1.0e-05)

Test Failed: Assertion failed at tests.gitlab.cpkt1.ArrayStackTests.testNextHasException:98 (ArrayStackTests.java)

ArrayStackTests_testHasWorkAfterAdd (1.0e-05/1.0e-05)

ArrayStackTests_checkStructure (0.0/1.0e-05)

Test Failed: java.lang.NullPointerException
at tests.gitlab.cpkt1.ArrayStackTests.checkStructure:37 (ArrayStackTests.java)

ListFIFOQueueTests_testClear (1.0e-05/1.0e-05)

Test Failed: java.lang.NullPointerException
at tests.gitlab.cpkt1.ListFIFOQueueTests.testClear:100 (ListFIFOQueueTests.java)

GROUP
Winston Jodjana
Add Group Member

AUTOGRADER SCORE
0.0004 / 51.0

FAILED TESTS
ArrayStackTests_testClear (0.0/1.0e-05)
ArrayStackTests_testPeekHasException (0.0/1.0e-05)
ArrayStackTests_testHasWorkAfterAddRemove (0.0/1.0e-05)
ArrayStackTests_testNextHasException (0.0/1.0e-05)
ArrayStackTests_checkStructure (0.0/1.0e-05)

PASSED TESTS
ArrayStackTests_testHasWork (1.0e-05/1.0e-05)
ArrayStackTests_testHasWorkAfterAdd (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)
ListFIFOQueueTests_testHasWorkAfterAdd (1.0e-05/1.0e-05)
ListFIFOQueueTests_checkStructure (1.0e-05/1.0e-05)
CircularArrayFIFOQueueTests_testClear (1.0e-05/1.0e-05)

Group Members Submission History Download Submission 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.