

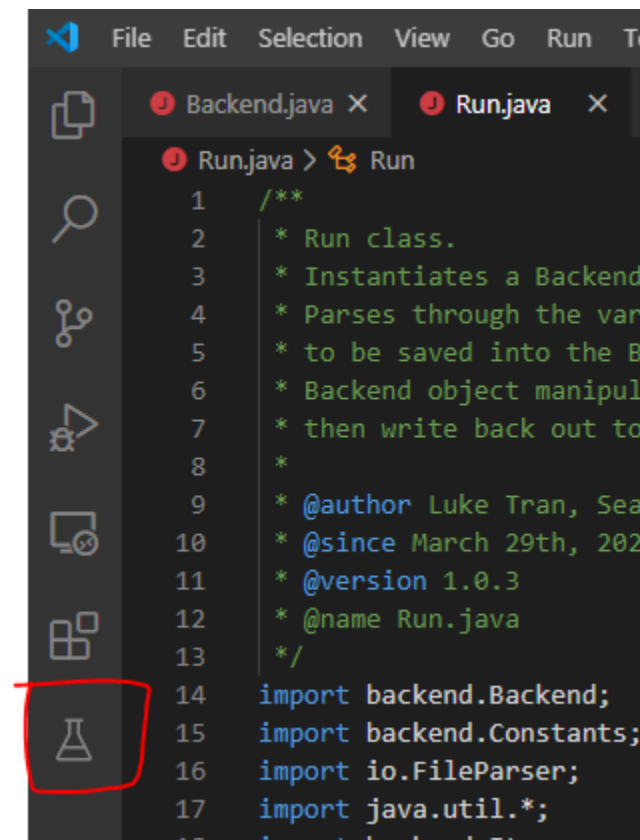
## How to run our Junit Tests

### Running our tests in VS Code

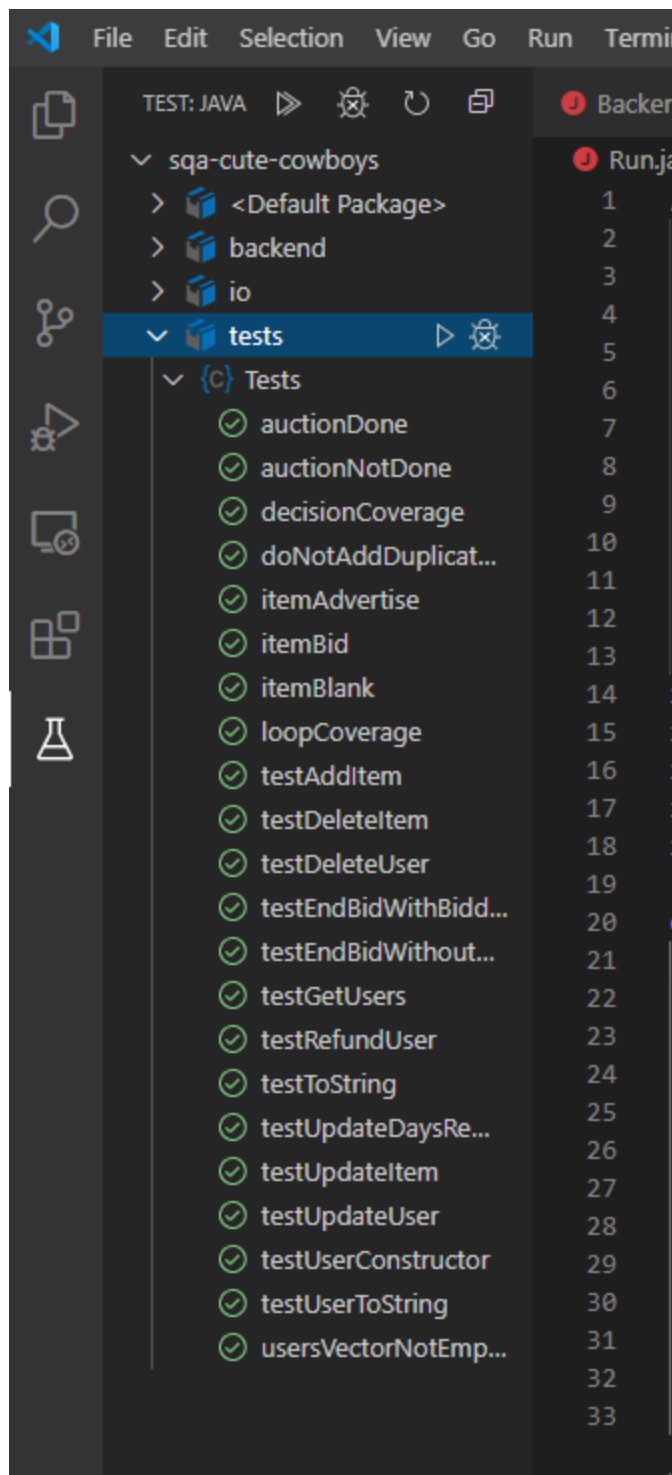
First you will want to install the Java Test Runner. Information about this can be found here:

<https://code.visualstudio.com/docs/java/java-testing>.

Once added to your build of VS Code, you can click the newly added Test icon on your left panel.



Once here, expand the `sqa-cute-cowboys` directory, and then the `tests` directory.



Once here, click the play button beside any test to run that test. Hitting the play button on the tests directory will run every test.



### Running from command line (Linux)

To run our tests from the command line open a terminal in projects root directory. Once you have a terminal open type “make” and hit enter. Next type “make runtests” and hit enter. After which the tests will run.

```
runescape@DESKTOP-R7MNL P8:/mnt/c/Users/Calvin/Desktop/University/Year 1/Semester 2/SQA/sqa-cute-cowboys$ make
javac backend/*.java
javac -d tests/output/ -cp ../lib/junit-4.12.jar tests/Tests.java
javac Run.java
javac -d tests/output/ -cp ../lib/junit-4.12.jar MainTest.java
runescape@DESKTOP-R7MNL P8:/mnt/c/Users/Calvin/Desktop/University/Year 1/Semester 2/SQA/sqa-cute-cowboys$ make runtests
java -cp ../tests/output/ ../lib/hamcrest-core-1.3.jar:../lib/junit-4.12.jar org.junit.runner.JUnitCore tests.Tests
JUnit version 4.12
.....User a                already exists
.....Deleted user: a
..User a                    already exists
.....
Time: 0.041

OK (24 tests)

java -cp ../tests/output/ ../lib/hamcrest-core-1.3.jar:../lib/junit-4.12.jar org.junit.runner.JUnitCore MainTest
JUnit version 4.12
..User nuggie king          already exists

Time: 0.044

OK (1 test)

runescape@DESKTOP-R7MNL P8:/mnt/c/Users/Calvin/Desktop/University/Year 1/Semester 2/SQA/sqa-cute-cowboys$
```