SPRINT 2
GIT CONFUSED

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DEMONSTRATION OF A RUNNING PROGRAM OR RESEARCH PROGRESS

USER STORIES AND STORY POINTS

As a developer of a Java virtual machine, I need to read a Java class file and parse the headers so that I have the beginnings of an implementation.

As a developer of a Java virtual machine, I need to read the opcodes of a method from a Java class file so that I have the beginnings of an implementation.

As a developer, I need to add SonarCloud (https://sonarcloud.io/about) to my dev pipeline so that code quality is constantly and thoroughly checked.

As a developer, I need to add CodeCov (https://codecov.io/) to my dev pipeline so that test cod coverage is constantly checked.

As a developer, I need to add mocking to my Python program for I/O so that my unit tests can ru quickly and consistently. Also, as a developer, I need to create an appropiate class heirarchy so that my project is well organized. Here are some prototype classes.

TORY POINTS (COMPLETE/INCOMPLETE)

- Read bytecode from class file
- Parse bytecode into magic, minor, major numbers and pool count.
- Create a unittest that tests each method.
- Link SonarCloud and CodeCov to repository.
- Test code coverage.
- Read opcode of class file.
- Added mocking to unittest.
- Code coverage of at least 90%
- Method to parse opcodes.
- Run TravisCI with SonarCloud and CodeCov

SYSTEM DEVELOPMENT LIFE CYCLE STATISTICS

SDLC STATISTICS

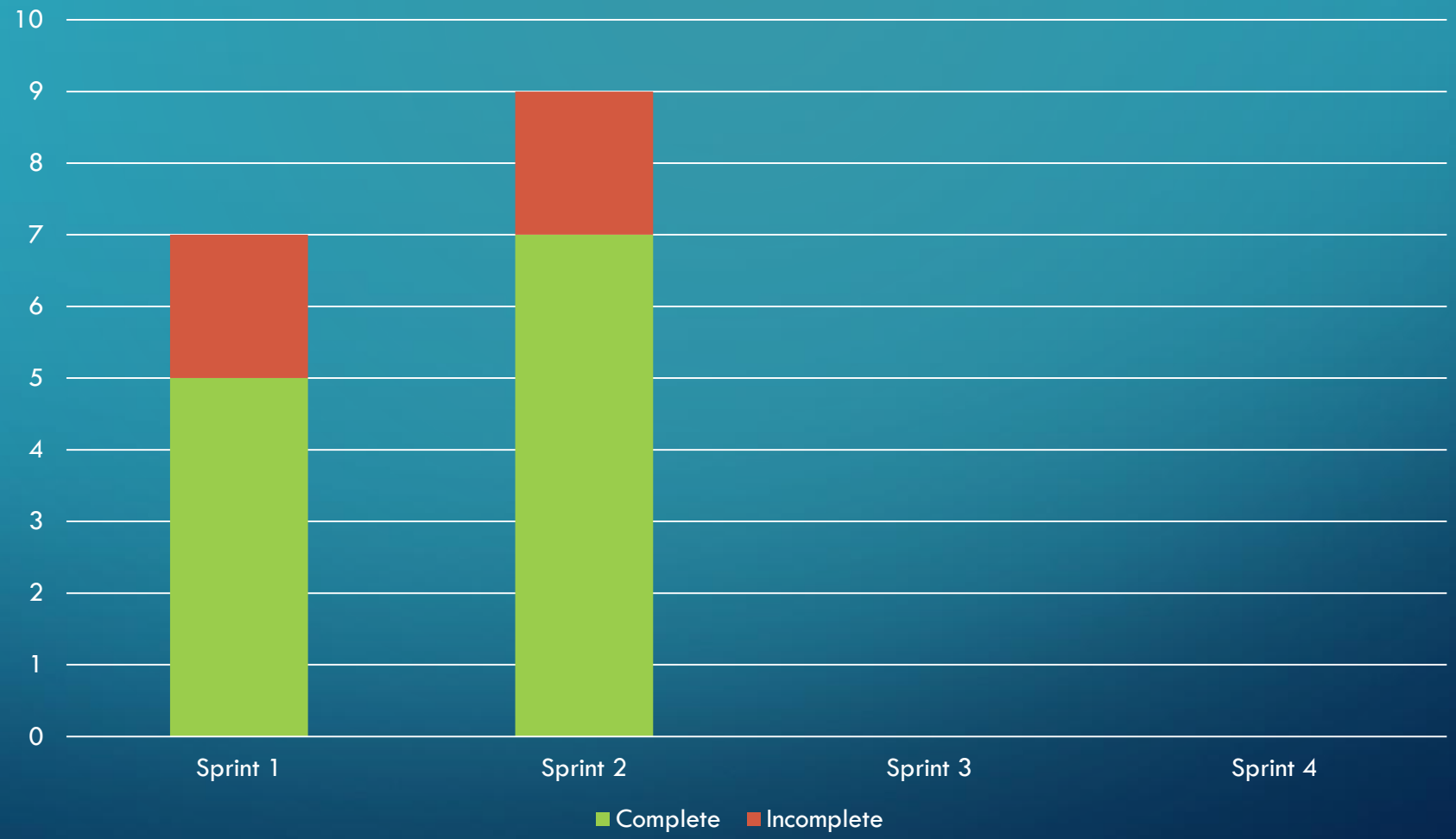
Sprint Backlog

- Read and test method opcodes
- Improve unit test
- 90% code coverage

Project Backlog

- ~~Team name~~
- Give all members access to dynamic analysis

Velocity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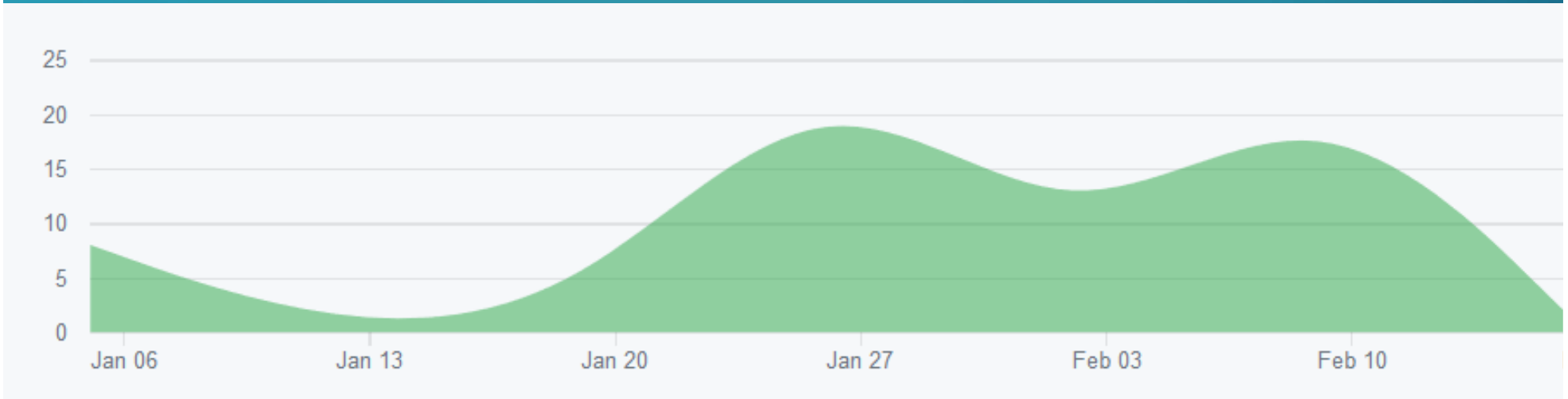
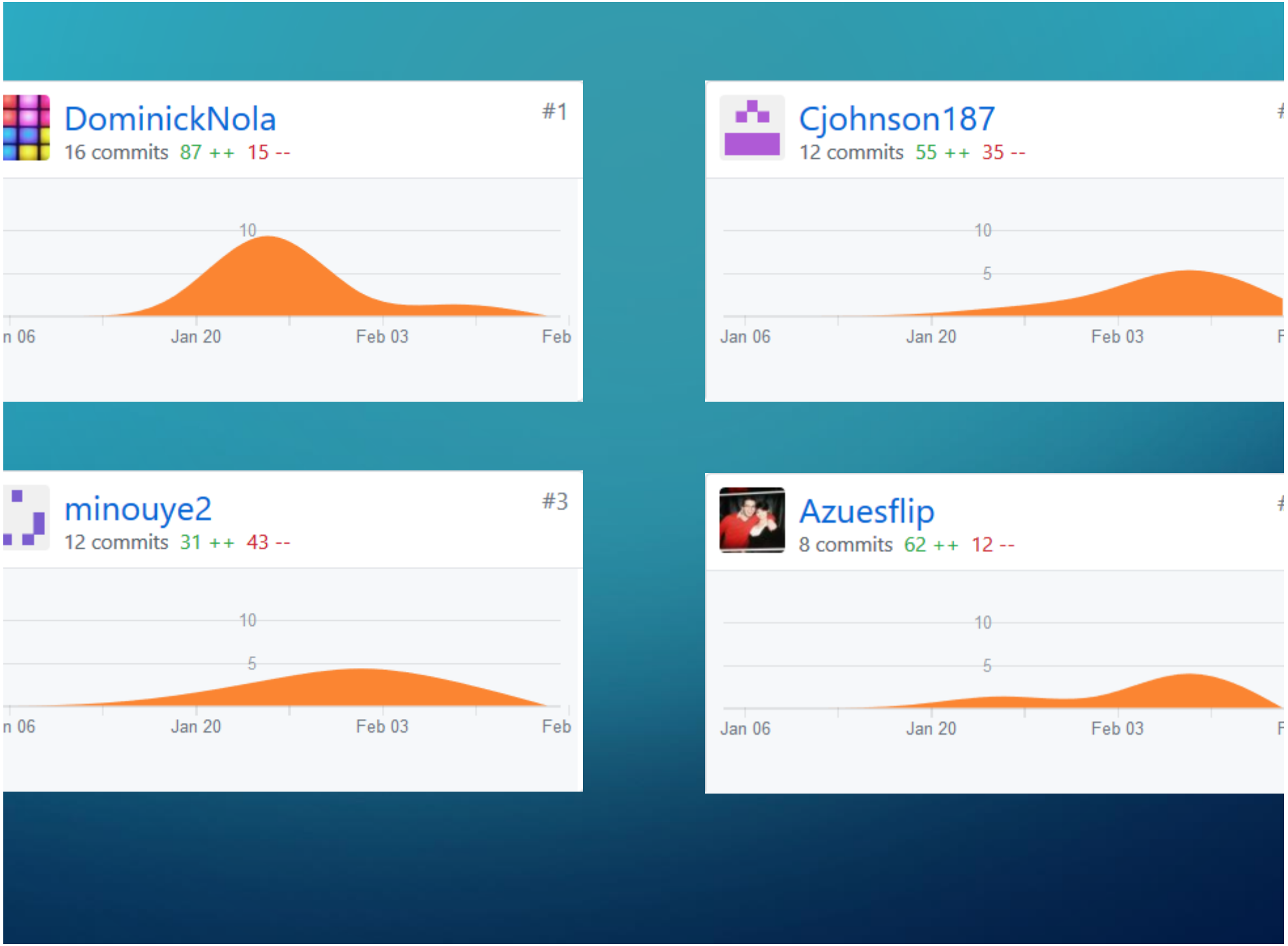
Sprint 1
Sprint 2
Sprint 3
Sprint 4
Complete
Incomplete

Team Contributions




DominickNola
#1
16 commits 87 ++ 15 --
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12 commits 55 ++ 35 --
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minouye2
#3
12 commits 31 ++ 43 --
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Azuesflip
8 commits 62 ++ 12 --
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zkhalido
#5
7 commits 3 ++ 1 --
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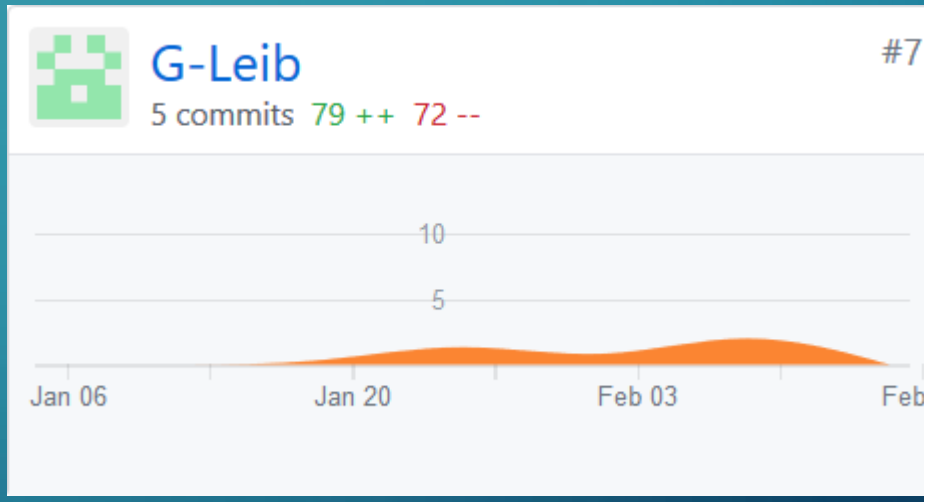
G-Leib
#7
5 commits 79 ++ 72 --
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Team Hours

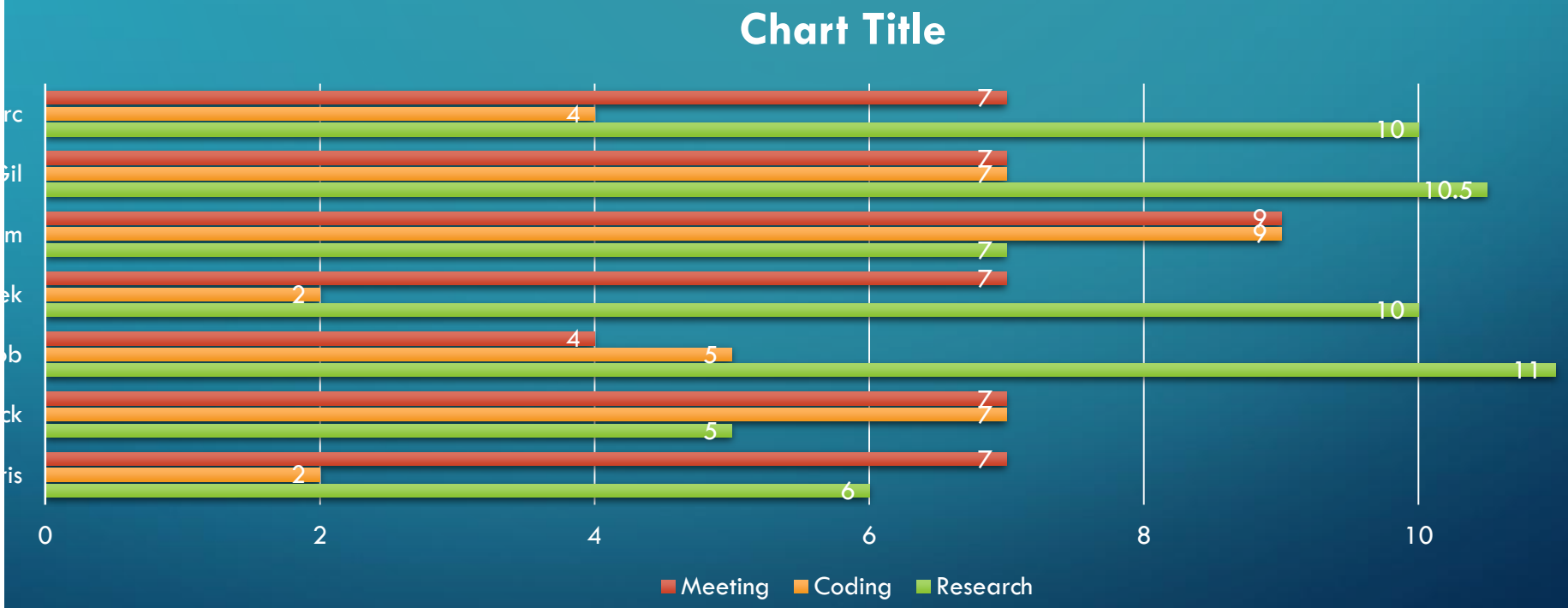
Chart Title
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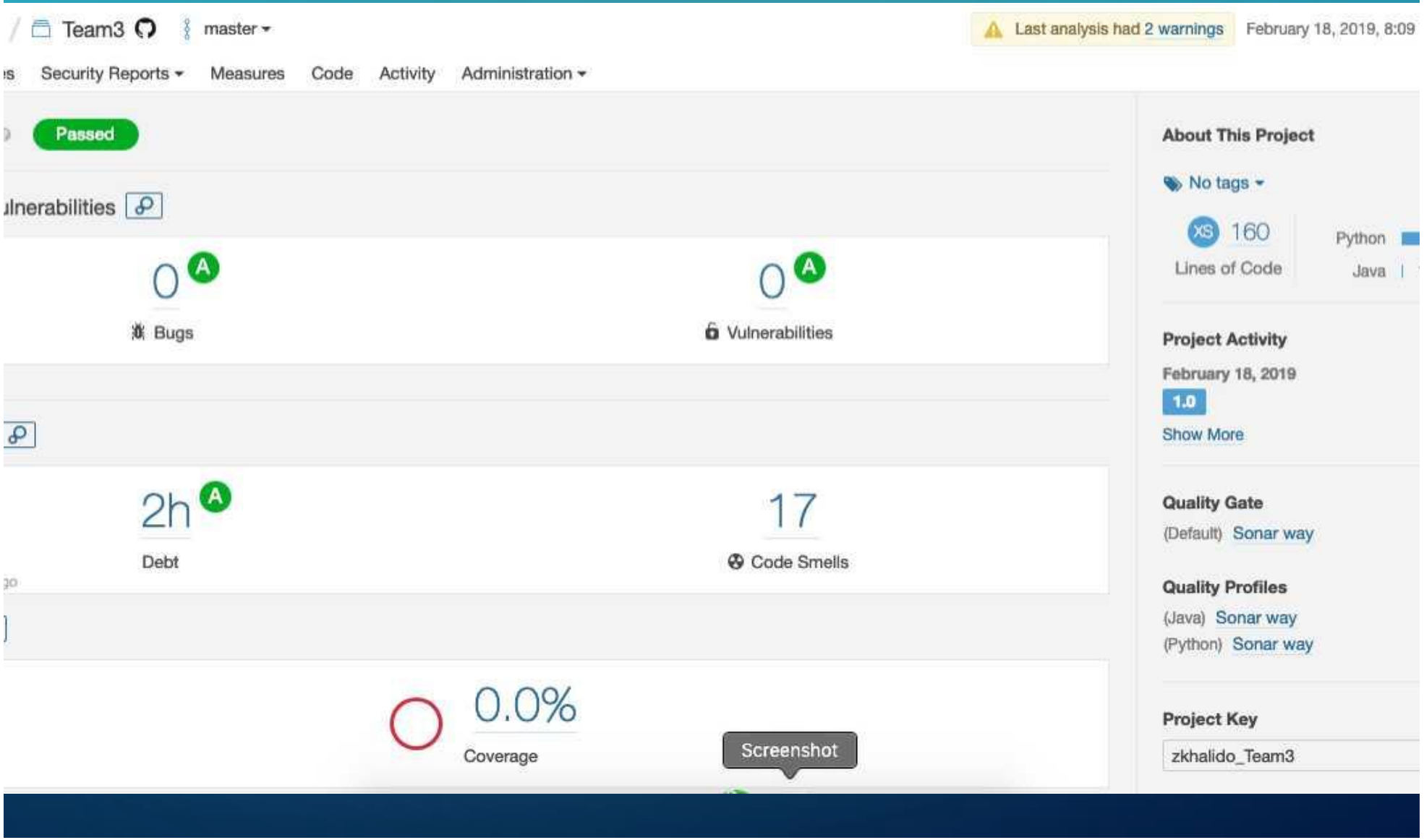
Meeting
Coding
Research

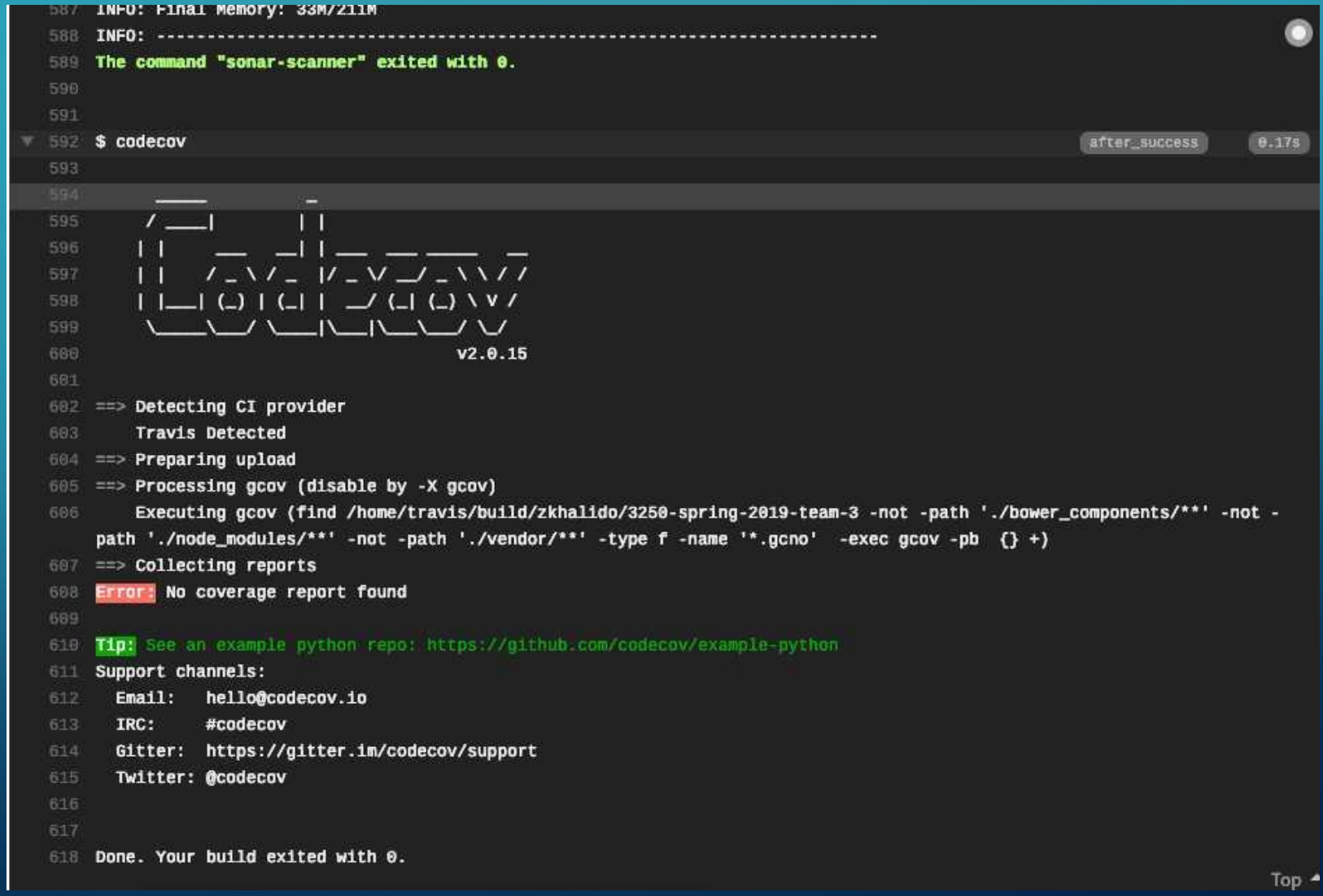
CODE STATISTICS

SonarCloud

https://github.com/zkhalido/Team3



CodeCov


INFO: Final Memory: 33M/211M
INFO: ----------
The command "sonar-scanner" exited with 0.
$ codecov
after_success
0.17s
v2.0.15
==> Detecting CI provider
Travis Detected
==> Preparing upload
==> Processing gcov (disable by -X gcov)
Executing gcov (find /home/travis/build/zkhalido/3250-spring-2019-team-3 -not -path './bower_components/**' -not -path './node_modules/**' -not -path './vendor/**' -type f -name '*.gcno' -exec gcov -pb {} +)
==> Collecting reports
Error: No coverage report found
Tip: See an example python repo: https://github.com/codecov/example-python
Support channels:
Email: hello@codecov.io
IRC: #codecov
Gitter: https://gitter.im/codecov/support
Twitter: @codecov
Done. Your build exited with 0.
Top

Sprint Retrospective

WHAT WENT WELL

Creating both the test.java and the test.class files.

Parsing the headers from the test.class.

WHAT WENT POORLY

- Making a unit test that achieved adequate coverage
- Understanding the difference between opcodes and bytecodes.
- Getting both SonarCloud and CodeCov to work on our repository.

WHAT ARE WE GOING TO START/STOP/CONTINUE

- Start using slack/trello more often so that we have a record of what the team has discussed
- Stop overlapping project duties.
- Continue twice weekly meet ups with team to keep up to date with sprint progress.