

HW 05a - Isolate External Dependencies

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Deliverables:

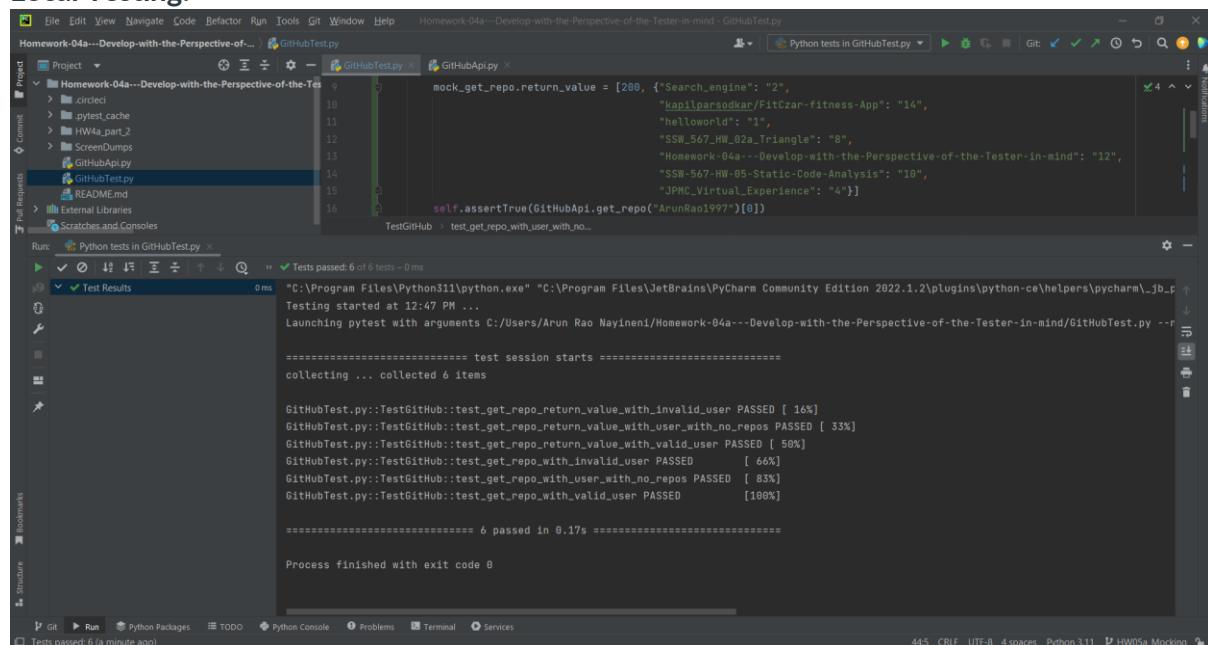
Git Hub URL:

https://github.com/ArunRao1997/Homework-04a---Develop-with-the-Perspective-of-the-Tester-in-mind/tree/HW05a_Mocking

1. All of the changes for this assignment are on the branch "HW05a_Mocking"
2. The README file contains a badge that links to the build status of the code on the branch "HW05a_Mocking" running in circleci.

<https://app.circleci.com/pipelines/github/ArunRao1997/Homework-04a---Develop-with-the-Perspective-of-the-Tester-in-mind/10/workflows/d15735c6-ace2-4837-a25b-3241ffd5de4a/jobs/11/steps>

Local Testing:



The screenshot shows the PyCharm IDE interface. The top pane displays the code for `GitHubTest.py`, which includes a `mock_get_repo.return_value` and an `assertTrue` test. The bottom pane shows the test results for `Python tests in GitHubTest.py`. The test session started at 12:47 PM and collected 6 items. All 6 tests passed successfully, with the following results:

Test Case	Result
<code>GitHubTest.py::TestGitHub::test_get_repo_return_value_with_invalid_user</code>	PASSED [16%]
<code>GitHubTest.py::TestGitHub::test_get_repo_return_value_with_user_with_no_repos</code>	PASSED [33%]
<code>GitHubTest.py::TestGitHub::test_get_repo_return_value_with_valid_user</code>	PASSED [50%]
<code>GitHubTest.py::TestGitHub::test_get_repo_with_invalid_user</code>	PASSED [66%]
<code>GitHubTest.py::TestGitHub::test_get_repo_with_user_with_no_repos</code>	PASSED [83%]
<code>GitHubTest.py::TestGitHub::test_get_repo_with_valid_user</code>	PASSED [100%]

The test session finished with exit code 0.

3. The build status is a success.

Below are the screenshots of the build success for the branch "HW05a_Mocking" running in Circle-CI:

The screenshot shows the CircleCI dashboard for the organization 'ArunRao1997'. The left sidebar contains navigation links: Dashboard, Projects, Insights, Organization Settings, Plan, Notifications, Status (OPERATIONAL), Docs, Orbs, and Support. The main content area displays the pipeline 'Homework-04a---Develop-with-the-Perspective-of-the-Tester-in-mind' for the branch 'HW05a_Mocking'. The pipeline status is 'Success'. The workflow 'test_get_repo' is shown with a duration of 10s and a 73% completion rate. The job 'build-and-test' is shown with a duration of 8s and a 35% completion rate. The pipeline was triggered by a commit '60372d2' to the 'Mocking Test file'.

The screenshot shows the details of the 'build-and-test' job, which is marked as 'Success'. The job duration is 8s, finished 3m ago. The job was executed on a 'Docker / Large' resource class. The branch is 'HW05a_Mocking' and the commit is '60372d2'. The author is 'Mocking Test file'. The job is part of the 'test_get_repo' workflow. The 'TIMING' tab is selected, showing a bar chart of the job's execution time. The chart indicates that the tests are currently executing sequentially in one executor, with a duration of 6s. The chart shows a single bar for the job, with a status of 'Passed' and a duration of 6s.

