# Test Case: TC\_RA\_006 – No Reviewers Available

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| 1. TestCaseId | TC\_RA\_006 |
| 2. Test Summary | Gracefully handle cases where no reviewers are available |
| 3. Description | This test case ensures that the reviewer assignment algorithm handles the edge case where no reviewers are available in Users.csv. The function should not crash and should return zero assignments. |
| 4. Prerequisite/Pre-condition | - Projects.csv has at least one overdue project - Users.csv is empty (no reviewers) |
| 5. Test Steps | 1. Patch read\_csv to return one project and an empty reviewer list 2. Call assign\_all\_reviewers() 3. Validate the returned summary reports 0 assignments and no error is raised |
| 6. Test Data | - Project\_ID: P006 - Department: Finance - Users: [] |
| 7. Expected Result | - No reviewers assigned - Function completes without error - assignments list is empty |
| 8. Actual Result | - Assignments: 0 - No crash or exception |
| 9. Test Result | Pass  (base) cynthiamcginnis@Cynthias-Mac-mini ProjectReviewScheduler % python3 test\_tc\_ra\_006\_no\_reviewers.py  TC\_RA\_006 passed: No reviewers available handled correctly.  .  ----------------------------------------------------------------------  Ran 1 test in 0.000s  OK |
| 10. Automation Status | Automated (test\_tc\_ra\_006\_no\_reviewers.py) |
| 11. Date | 2025-05-12 |
| 12. Executed By | Cynthia McGinnis |
| 13. Revision History | v1.0 – Initial unit test implemented and saved as test\_tc\_ra\_006\_no\_reviewers.py (2025-05-12) v1.1 – Logic isolated from other tests, test rewritten for clarity and maintainability (2025-05-13) |