# Test Case: Reviewer Department Separation (TC\_RA\_003)

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| TestCaseId | TC\_RA\_003 |
| Test Summary | Ensure reviewer is not from the same department as the project when alternatives are available. |
| Description | This test verifies that the Reviewer Assignment Algorithm prioritizes selecting reviewers from departments other than the one associated with the project. If alternative reviewers from other departments exist, the system should assign one of them instead of defaulting to a same-department reviewer. |
| Prerequisite/Pre-condition | - Valid Projects.csv and Users.csv exist - At least one project in the 'Overdue' or 'Due Soon' state - At least three reviewers with:  • One from same department as project  • Two from different departments |
| Test Steps | 1. Execute `assign\_reviewers` with populated CSV files 2. Retrieve the created review assignment 3. Identify the reviewer assigned to the project 4. Verify that the department of the assigned reviewer differs from the project |
| Test Data | - Project\_ID: P001, Department: IT - Reviewers:  • U001 (IT, Load 1)  • U002 (HR, Load 2)  • U003 (Finance, Load 1) |
| Expected Result | - Reviewer assigned to P001 should be U002 or U003, not U001 (same department) |
| Actual Result | - Reviewer U002 was assigned (from HR department) |
| Test Result | Pass |
| Automation Status | Automated (test\_reviewer\_assignment.py) |
| Date | 2025-05-13 |
| Executed By | Cynthia McGinnis |
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## Revision History

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| Date | Author | Description |
| 2025-05-13 | Cynthia McGinnis | Initial documentation of reviewer separation test case and unit test verification. |