# Test Case: Notification System – TC\_NT\_002

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| TestCaseId | TC\_NT\_002 |
| Test Summary | Verify overdue review notifications include correct urgency indicators and are sent to the right reviewer |
| Description | Ensures that the Email Notification System sends alerts for overdue reviews, the email includes '[URGENT]' in the subject, and 'OVERDUE' is emphasized in the body. |
| Prerequisite/Pre-condition | - Projects.csv, Users.csv, and Reviews.csv exist - At least one project has Status='Overdue' - Review assignment exists for that project - SMTP mocked |
| Test Steps | 1. Mock SMTP and CSV inputs 2. Execute `send\_notifications(status\_filter='Overdue')` 3. Capture email sent 4. Assert recipient, subject, and body contents |
| Test Data | - Project\_ID: P002 - Reviewer\_Email: reviewer@example.com - Status: Overdue - Review\_ID: R001 |
| Expected Result | - Email sent to reviewer@example.com - Subject contains '[URGENT]' - Body contains 'OVERDUE' and project details |
| Actual Result | - Email sent to reviewer@example.com - Subject: '[URGENT] Critical Security Review - Review Required' - Body contains 'OVERDUE' |
| Test Result | Pass |
| Automation Status | Automated (test\_notification\_system.py) |
| Date | 2025-05-13 |
| Executed By | Cynthia McGinnis |
| Revision History | v1.0 – Initial version v1.1 – Corrected SMTP mock expectations |