

19CSE314
SOFTWARE ENGINEERING
LAB ASSIGNMENT 5

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A. Step 1- Select a Web or Mobile Application

SmartMatch stands as my implementation choice because it uses automation to match reviewers with authors which is our project. The application contains three functional modules that encompass paper entry functions as well as tools for reviewers and administrators. This system enhances conference operations by automating submission tasks and reviewer selection methods and progress assessment while concentrating on user convenience and application functionality and system performance.



B. Step 2- Conduct Testing and Identify Bugs

Bug ID	Description	Steps to Reproduce	Expected Behavior	Actual Behavior	Severity
B01	Reviewer page slow loading after login	1. Login as reviewer → 2. Load assigned papers list	Reviewer dashboard loads within 2 seconds	Takes 5-6 seconds	Medium
B02	No validation on empty abstract field in submission	1. Go to New Submission → 2. Leave abstract empty → 3. Submit	Validation messages should appear	Paper gets submitted without abstract	Medium
B03	Admin dashboard cards not updating in real-time	1. Admin logs in → 2. Perform changes (assign reviewer or change status)	Dashboard stats auto-update	Stats require manual page refresh	Low

C. Step 3- Test Case Design Using Industry Standards

Test Case ID	Test Scenario	Precondition	Steps	Expected Output	Actual Output	Status
TC01	Reviewer dashboard slow loading	Reviewer has assigned papers	1. Login as Reviewer → 2. Access assigned papers dashboard	Dashboard loads in under 2 seconds	Loads in 5-6 seconds	Fail
TC02	Submission allows empty abstract	Author account exists	1. Login as Author → 2. Go to New Submission → 3. Leave abstract empty → 4. Submit	Validation message appears	Paper gets submitted without abstract	Fail
TC03	Admin dashboard cards do not auto-update	Admin has updated some statuses	1. Login as Admin → 2. Update a review status or assign reviewer → 3. Observe dashboard	Dashboard stats auto-update without refresh	Requires manual refresh	Fail

D. Step 4 – Summary and Reflections

Summary of Key Observations

- **Functional Bugs:** Validation for abstract and auto-refresh of admin dashboard stats still need improvement.
- **Performance Issue:** Reviewer dashboard takes longer than expected to load under moderate data load.
- **Usability:** Manual refreshment requirement for admin may confuse non-technical users.

Reflections on Industry Testing Standards

- The testing divided into Functional and Usability and Performance categories followed the stated assignment parameters.
- A predefined bug reporting system contributed to clear identification and proper documentation of problems.
- Test case design took place according to IEEE 829 professional standard to provide both repeatability and professional quality throughout the process.
- The team has shifted its focus to fixing medium priority bugs because they want to make the application better for users.