

1. Test Plan

Objective

Automate testing of Todoist web application's core functionalities including login, task creation, editing, completion, and deletion.

Scope

- Functional Testing
- UI Testing
- Boundary Testing
- Error Handling

Test Environment

- **OS:** Windows/Linux/macOS
- **Browser:** Chrome (via Selenium WebDriver)
- **Python Version:** 3.7+
- **Dependencies:** Selenium, WebDriver Manager

Test Approach

1. **Login Testing:** Validate successful/failed authentication
2. **Task Management:**
 - Add task (normal/long input)
 - Edit task
 - Mark task complete
 - Delete task
3. **Boundary Testing:** Verify input validation for long task names

2- Test Cases

#Functional Testing

Test Case ID	Description	Expected Result
TC-01	Valid login	Redirect to app dashboard
TC-02	Add new task	Task appears in task list
TC-03	Edit existing task	Task content updates
TC-04	Mark task complete	Task moves to completed state
TC-05	Delete task	Task removed from list

UI Testing

Test Case ID	Description	Expected Result
TC-06	Verify login page elements	Email/password fields and button exist
TC-07	Verify task input UI	Task editor appears on button click

Boundary Testing

Test Case ID	Description	Expected Result
TC-08	Add task with 1000+ characters	System rejects or truncates input

Bug Report

****Bug ID****: BUG-001

****Title****: Task completion checkbox not detected

****Steps to Reproduce****:

1. Add a new task
2. Attempt to mark it complete

****Expected Result****: Task should be marked complete

****Actual Result****: Checkbox not found (NoSuchElementException)

****Severity****: High

****Status****: Open

****Environment****: Chrome 114, Windows 11

****Notes****: Requires alternative CSS selector